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	**Sonoma 4** **SD25-4 Lot 154**	Lot:	154
		Lot/con.	
Municipality: **Bradford**	Postal code:	Plan number/ other description:	

B. Individual who reviews and takes responsibility for design activities

Name: **David DaCosta**		Firm: **gtaDesigns Inc.**	
Street address: **2985 Drew Road, Suite 202**		Unit no.	Lot/con.
Municipality: **Mississauga**	Postal code: **L4T 0A4**	Province: **Ontario**	E-mail: hvac@gtadesigns.ca
Telephone number: **(905) 671-9800**	Fax number:		Cell number:

C. Design activities undertaken by individual identified in Section B. [Building Code Table 3.5.2.1 of Division C]

❑ House	☒ HVAC – House	❑ Building Structural
❑ Small Buildings	❑ Building Services	❑ Plumbing – House
❑ Large Buildings	❑ Detection, Lighting and Power	❑ Plumbing – All Buildings
❑ Complex Buildings	❑ Fire Protection	❑ On-site Sewage Systems

Description of designer's work	**Model Certification**			**Project #:**	**PJ-00041**
				Layout #:	**JB-07272**
Heating and Cooling Load Calculations	**Main**	**X**	Builder	**Bayview Wellington**	
Air System Design	**Alternate**		Project	**Green Valley East**	
Residential mechanical ventilation Design Summary	**Area Sq ft:**	**2185**	Model	**Sonoma 4** **SD25-4 Lot 154**	
Residential System Design per CAN/CSA-F280-12					
Residential New Construction - Forced Air			SB-12	**Package A1**	

D. Declaration of Designer

I David DaCosta declare that (choose one as appropriate):

(print name)

❑ I review and take responsibility for the design work on behalf of a firm registered under subsection 3.2.4 Division C of the Building Code. I am qualified, and the firm is registered, in the appropriate classes/categories.

Individual BCIN: _____

Firm BCIN: _____

☒ I review and take responsibility for the design and am qualified in the appropriate category as an "other designer" under subsection 3.2.5 of Division C, of the Building Code.

Individual BCIN: **32964**

Basis for exemption from registration: **Division C 3.2.4.1. (4)**

❑ The design work is exempt from the registration and qualification requirements of the Building Code.

Basis for exemption from registration and qualification:

I certify that:

1. The information contained in this schedule is true to the best of my knowledge.
2. I have submitted this application with the knowledge and consent of the firm.

June 25, 2021 — Date

 — Signature of Designer

NOTE:

1. For the purposes of this form, "individual" means the "person" referred to in Clause 3.2.4.7(1) d), of Division C, Article 3.2.5.1. of Division C and all other persons who are exempt from qualifications under Subsections 3.2.4 . and 3.2.5.of Division C.
2. Schedule 1 does not require to be completed a holder of a license, temporay license, or a certificate of authorization, issed by the Ontario Associstion of Architects. Schedule 1 is also not required to be completed by a holder of a license to practise, a limited licence 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
e-mail hvac@gtadesigns.ca

Heat loss and gain calculation summary sheet

CSA-F280-M12 Standard Form No. 1

These documents issued for the use of **Bayview Wellington**

and may not be used by any other persons without authorization. Documents for permit and/or construction are signed in red.

Layout No. **JB-07272**

Building Location

Address (Model):	**SD25-4 Lot 154**	Site:	**Green Valley East**
Model:	**Sonoma 4**	Lot:	**154**
City and Province:	**Bradford**	Postal code:	

Calculations based on

Dimensional information based on: **VA3 Design11/May/2012**

Attachment:	**Semi**		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?	**VanEE**	**65H HRV**	Internal shading:	**Light-translucent**	Occupants: **5**
Sensible Eff. at -25C	**60%**	Apparent Effect. at -0C **83%**	Units:	**Imperial**	Area Sq ft: **2185**
Sensible Eff. at -0C	**75%**				

Heating design conditions

Outdoor temp **-9.4** Indoor temp: **72** Mean soil temp: **48**

Cooling design conditions

Outdoor temp **86** Indoor temp: **75** Latitude: **44**

Above grade walls

Style A: **As per OBC SB12** **Package A1** **R 22**

Style B:

Style C:

Style D:

Below grade walls

Style A: **As per OBC SB12** **Package A1** **R 20ci**

Style B:

Style C:

Style D:

Floors on soil

Style A: **As per Selected OBC SB12** **Package A1**

Style B:

Ceilings

Style A: **As per Selected OBC SB12** **Package A1** **R 60**

Style B: **As per Selected OBC SB12** **Package A1** **R 31**

Style C:

Exposed floors

Style A: **As per Selected OBC SB12** **Package A1** **R 31**

Style B:

Doors

Style A: **As per Selected OBC SB12** **Package A1** **R 4.00**

Style B:

Style C:

Windows

Style A: **As per Selected OBC SB12** **Package A1** **R 3.55**

Style B:

Style C:

Style D:

Skylights

Style A: **As per Selected OBC SB12** **Package A1** **R 2.03**

Style B:

Attached documents: **As per Shedule 1**

Heat Loss/Gain Caculations based on CSA-F280-12 Effective R-Values

Notes: **Residential New Construction - Forced Air**

Calculations performed by

Name:	**David DaCosta**	Postal code:	**L4T 0A4**
Company:	**gtaDesigns Inc.**	Telephone:	**(905) 671-9800**
Address:	**2985 Drew Road, Suite 202**	Fax:	
City:	**Mississauga**	E-mail	**hvac@gtadesigns.ca**

Air System Design

GTADESIGNS
2985 Drew Road, Suite 202, Mississauga, Ontario L4T 0A4 Tel: 905-671-9800
e-mail hvac@gtadesigns.ca

SB-12 Package A1

Builder: Bayview Wellington | Date: June 25, 2021 | Page 3

Project: Green Valley East | Model: Sonoma 4 SD25-4 Lot 154 | **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.
Individual BCIN: 32964 David DaCosta

Project # PJ-00041
Layout # JB-07272

DESIGN LOAD SPECIFICATIONS

Level 1 Net Load	13,240	btu/h
Level 2 Net Load	13,803	btu/h
Level 3 Net Load	12,589	btu/h
Level 4 Net Load	0	btu/h
Total Heat Loss	39,632	btu/h
Total Heat Gain	24,338	btu/h
Building Volume Vb	25324	ft³
Ventilation Load	1,188	Btuh.
Ventilation PVC	79.5	cfm
Supply Branch and Grill Sizing		

AIR DISTRIBUTION & PRESSURE

Equipment External Static Pressure	0.5	"w.c.
Additional Equipment Pressure Drop	0.225	"w.c.
Available Design Pressure	0.275	"w.c.
Return Branch Longest Effective Length	300	ft
R/A Plenum Pressure	0.138	"w.c.
S/A Plenum Pressure	0.14	"w.c.
Heating Air Flow Proportioning Factor	0.0234	cfm/btuh
Cooling Air Flow Proportioning Facter	0.0382	cfm/btuh
R/A Temp	70	deg. F.
S/A Temp	127	deg. F.
Diffuser loss	0.01	"w.c.

FURNACE/AIR HANDLER DATA:

Make	Amana	
Model	AMEC960603ANA	
Input Btu/h	60000	
Output Btu/h	57600	
E.s.p.	0.50	" W.C.
Water Temp		deg. F.
AFUE	96%	
Aux. Heat		
SB-12 Package	Package A1	
Temp. Rise>>>	57	deg. F.

BOILER/WATER HEATER DATA:

Make Type
Model
Input Btu/h
Output Btu/h
Min.Output Btu/h AWH

Blower DATA:

Blower Speed Selected: W2
Heating Check 929 cfm
Selected cfm> 929 cfm

A/C UNIT DATA:

Amana 2.5 Ton
Cond.---------- 2.5
Coil ---------- 2.5

Blower Type ECM
(Brushless DC OBC 12.3.1.5.(2))
Cooling Check 929 cfm
Cooling Air Flow Rate 929 cfm

Level 1 / Level 2

	1	2	3	4											5	6	7	8	9	10								
S/A Outlet No.																												
Room Use	BASE	BASE	BASE	BASE											KIT	KIT	LIV	DIN	PWD	FOY								
Btu/Outlet	3310	3310	3310	3310											2373	2373	1798	3278	736	3246								
Heating Airflow Rate CFM	78	78	78	78											56	56	42	77	17	76								
Cooling Airflow Rate CFM	11	11	11	11											99	99	118	109	21	59								
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	29	23	19	36											35	32	18	27	36	42								
Equivalent Length	80	110	110	140	70	70	70	70	70	70	70	70	70	70	70	110	110	80	130	120	70	70	70	70	70	70	70	70
Total Effective Length	109	133	129	176	70	70	70	70	70	70	70	70	70	70	105	142	128	107	166	162	70	70	70	70	70	70	70	70
Adjusted Pressure	0.12	0.10	0.10	0.07	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.12	0.09	0.10	0.12	0.08	0.08	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19
Duct Size Round	6	6	6	6											6	6	6	6	4	6								
Outlet Size	4x10	4x10	4x10	4x10	4x10	4x10	4x10	4x10	4x10	4x10	4x10	4x10	4x10	4x10	4x10	4x10	4x10	4x10	3x10	4x10	4x10	4x10	4x10	4x10	4x10	4x10	4x10	4x10
Trunk	C	D	A	B											C	D	A	A	B	B								

Level 3 / Level 4

	11	12	13	14	15	16	17	18																				
S/A Outlet No.																												
Room Use	MAST	MAST	LAUND	BED 2	BED 3	BATH	BED 4	ENS																				
Btu/Outlet	1971	1971	97	2600	2407	1015	1241	1288																				
Heating Airflow Rate CFM	46	46	2	61	56	24	29	30																				
Cooling Airflow Rate CFM	71	71	2	50	58	34	54	42																				
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	50	38	28	65	55	36	33	37																				
Equivalent Length	110	110	130	140	150	110	120	100	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70
Total Effective Length	160	148	158	205	205	146	153	137	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70
Adjusted Pressure	0.08	0.09	0.08	0.06	0.06	0.09	0.08	0.09	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	0.19	0.19
Duct Size Round	6	6	2	6	6	4	5	4																				
Outlet Size	4x10	4x10	3x10	4x10	4x10	3x10	3x10	3x10	4x10	4x10	4x10	4x10	4x10	4x10	4x10	4x10	4x10	4x10	4x10	4x10	4x10	4x10	4x10	4x10	4x10	4x10	4x10	4x10
Trunk	D	C	C	B	B	A	A	D																				

Return Branch And Grill Sizing

Grill Pressure Loss 0.02 "w.c

	1R	2R	3R	4R	5R	6R	7R	8R	9R	10R	11R
R/A Inlet No.											
Inlet Air Volume CFM	155	369	105	150	150						
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
Actual Duct Length	5	12	62	40	37						
Equivalent Length	155	90	190	195	140	50	50	50	50	50	50
Total Effective Length	160	102	252	235	177	50	50	50	50	50	50
Adjusted Pressure	0.07	0.12	0.05	0.05	0.07	0.24	0.24	0.24	0.24	0.24	0.24
Duct Size Round	7.0	9.5	6.0	8.0	7.5						
Inlet Size	FLC	8	8	8	8						
" "	x	x	x	x	x	x	x	x	x	x	x
Inlet Size		30	14	14	14						
Trunk	Z	Z	Z	Z	Z						

Return Trunk Duct Sizing

Trunk	CFM	Press.	Round	Rect. Size	
Drop	929	0.05	15.5	24x10	
Z	929	0.05	15.5	28x8	22x10
Y					
X					
W					
V					
U					
T					
S					
R					
Q					

Supply Trunk Duct Sizing

Trunk	CFM	Press.	Round	Rect. Size	
A	537	0.06	12.5	18x8	14x10
B	288	0.06	10.0	12x8	10x10
C	392	0.08	10.5	12x8	10x10
D	210	0.08	8.5	8x8	107
E					
F					
G					
H					
I					
J					
K					

GTADESIGNS

Heatloss/Gain Calculations CSA-F280-12

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

e-mail hvac@gtadesigns.ca

Builder: Bayview Wellington | Date: June 25, 2021 | Weather Data: Bradford 44 -9.4 86 22 48.2

2012 OBC | Project: Green Valley East | Model: Sonoma 4 SD25-4 Lot 154 | **System 1** | Heat Loss ^T 81.4 deg. F | Ht gain ^T 11 deg. F | GTA: 2185 | Project # PJ-00041 | Layout # JB-07272

Level 1

			BASE																									
Run ft. exposed wall A			108	A			A			A			A			A			A			A			A			A	
Run ft. exposed wall B				B			B			B			B			B			B			B			B			B	
Ceiling height			4.5	AG		4.5	AG		4.5	AG		4.5	AG		4.5	AG		4.5	AG		4.5	AG		4.5	AG		4.5	AG		4.5	AG	
Floor area			911	Area			Area			Area			Area			Area			Area			Area			Area			Area	
Exposed Ceilings A				A			A			A			A			A			A			A			A			A	
Exposed Ceilings B				B			B			B			B			B			B			B			B			B	
Exposed Floors				Flr			Flr			Flr			Flr			Flr			Flr			Flr			Flr			Flr	
Gross Exp Wall A			486																										
Gross Exp Wall B																													
Components	R-Values	Loss	Gain		Loss	Gain		Loss	Gain		Loss	Gain		Loss	Gain		Loss	Gain		Loss	Gain		Loss	Gain		Loss	Gain		Loss	Gain
North Shaded	3.55	22.93	11.62																										
East/West	3.55	22.93	29.56	15	344	443																							
South	3.55	22.93	22.50	3	69	68																							
WOB Windows	3.55	22.93	27.86																										
Skylight	2.03	40.10	88.23																										
Doors	4.00	20.35	2.75	21	427	58																							
Net exposed walls A	21.12	3.85	0.52	447		233																							
Net exposed walls B	17.03	4.78	0.65																										
Exposed Ceilings A	59.22	1.37	0.64																										
Exposed Ceilings B	27.65	2.94	1.37																										
Exposed Floors	29.80	2.73	0.17																										
Foundation Conductive Heatloss					5600																								
Total Conductive — Heat Loss					6440																								
Total Conductive — Heat Gain						801																							
Air Leakage — Heat Loss/Gain		1.0090	0.0345		6497	28																							
Ventilation — Case 1		0.09	0.08																										
Ventilation — Case 2		14.95	11.88																										
Ventilation — Case 3	x	0.05	0.08		303	61																							
Heat Gain People			239																										
Appliances Loads	1 =.25 percent		3660																										
Duct and Pipe loss			10%																										
Level HL Total 13,240	Total HL for per room				13240																								
Level HG Total 1,157	Total HG per room x 1.3					1157																							

Level 2

			KIT			LIV			DIN			PWD			FOY														
Run ft. exposed wall A			35	A		15	A		28	A		6	A		24	A			A			A			A			A	
Run ft. exposed wall B				B			B			B			B			B			B			B			B			B	
Ceiling height			10.0			10.0			10.0			10.0			11.0			10.0			10.0			10.0			10.0		
Floor area			294	Area		250	Area		260	Area		33	Area		69	Area			Area			Area			Area			Area	
Exposed Ceilings A				A		5	A			A			A			A			A			A			A			A	
Exposed Ceilings B				B			B			B			B			B			B			B			B			B	
Exposed Floors				Flr			Flr			Flr			Flr			Flr			Flr			Flr			Flr			Flr	
Gross Exp Wall A			350			150			280			60			264														
Gross Exp Wall B																													
Components	R-Values	Loss	Gain		Loss	Gain		Loss	Gain		Loss	Gain		Loss	Gain		Loss	Gain		Loss	Gain		Loss	Gain		Loss	Gain		Loss	Gain
North Shaded	3.55	22.93	11.62																										
East/West	3.55	22.93	29.56	32	734	946	28	642	828	32	734	946	12	275	355	12	275	355											
South	3.55	22.93	22.50	55	1261	1238										23	527	518											
Existing Windows	1.99	40.90	23.66																										
Skylight	2.03	40.10	88.23																										
Doors	4.00	20.35	2.75							21	427	58				21	427	58											
Net exposed walls A	17.03	4.78	0.65	263	1257	170	122	583	79	227	1085	147	48	229	31	208	994	134											
Net exposed walls B	8.50	9.58	1.29																										
Exposed Ceilings A	59.22	1.37	0.64				5	7	3																				
Exposed Ceilings B	27.65	2.94	1.37																										
Exposed Floors	29.80	2.73	0.17																										
Foundation Conductive Heatloss			x																										
Total Conductive — Heat Loss					3252			1232			2246			505			2224												
Total Conductive — Heat Gain						2353			910			1150			386			1064											
Air Leakage — Heat Loss/Gain		0.4122	0.0345		1340	81		508	31		926	40		208	13		917	37											
Ventilation — Case 1		0.04	0.08																										
Ventilation — Case 2		14.95	11.88																										
Ventilation — Case 3	x	0.05	0.08		153	179		58	69		106	88		24	29		105	81											
Heat Gain People			239																										
Appliances Loads	1 =.25 percent		3660	1.5		1373	1.5		1373	1.0		915																	
Duct and Pipe loss			10%																										
Level HL Total 13,803	Total HL for per room				4745			1798			3278			736			3246												
Level HG Total 13,224	Total HG per room x 1.3					5182			3098			2850			557			1537											

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 David DaCosta

SB-12 Package

Total Heat Loss	39,632	btu/h
Total Heat Gain	24,338	btu/h

Package A1

GTADESIGNS

Heatloss/Gain Calculations CSA-F280-12

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

e-mail hvac@gtadesigns.ca

Builder: Bayview Wellington | Date: June 25, 2021 | Weather Data: Bradford 44 -9.4 86 22 48.2

2012 OBC | Project: Green Valley East | Model: Sonoma 4 SD25-4 Lot 154 | **System 1** | Heat Loss ^T 81.4 deg. F | Ht gain ^T 11 deg. F | GTA: 2185 | Project # PJ-00041 | Layout # JB-07272

Level 3

			MAST		LAUND		BED 2		BED 3		BATH		BED 4		ENS									
Run ft. exposed wall A			31	A		A	11	A	25	A	9	A	9	A	10	A		A		A		A		A
Run ft. exposed wall B				B		B		B		B		B		B		B		B		B		B		B
Ceiling height			8.0		8.0		8.0		8.0		8.0		9.0		9.0		8.0		8.0		8.0		8.0	
Floor area			363	Area	53	Area	229	Area	139	Area	69	Area	109	Area	103	Area		Area		Area		Area		Area
Exposed Ceilings A			363	A	53	A	229	A	139	A	69	A	109	A	103	A		A		A		A		A
Exposed Ceilings B				B		B		B		B		B		B		B		B		B		B		B
Exposed Floors				Flr		Flr	153	Flr	12	Flr		Flr		Flr		Flr		Flr		Flr		Flr		Flr
Gross Exp Wall A			248				88		200		72		81		90									
Gross Exp Wall B																								

Components		R-Values	Loss	Gain		Loss	Gain		Loss	Gain		Loss	Gain		Loss	Gain		Loss	Gain		Loss	Gain		Loss	Gain		Loss	Gain		Loss	Gain
North Shaded		3.55	22.93	11.62							35	803	407	22	504	256															
East/West		3.55	22.93	29.56	26	596	769							13	298	384	18	413	532	22	504	650	22	504	650						
South		3.55	22.93	22.50	45	1032	1013																							
Existing Windows		1.99	40.90	23.66																										
Skylight		2.03	40.10	88.23																										
Doors		4.00	20.35	2.75																										
Net exposed walls A		17.03	4.78	0.65	177	846	114				53	253	34	165	789	107	54	258	35	59	282	38	68	325	44						
Net exposed walls B		8.50	9.58	1.29																										
Exposed Ceilings A		59.22	1.37	0.64	363	499	233	53	73	34	229	315	147	139	191	89	69	95	44	109	150	70	103	142	66						
Exposed Ceilings B		27.65	2.94	1.37																										
Exposed Floors		29.80	2.73	0.17							153	418	26	12	33	2														
Foundation Conductive Heatloss																														
Total Conductive	Heat Loss					2973			73			1789			1815			766			936			971						
	Heat Gain						2128			34			614			838			611			758			760					
Air Leakage	Heat Loss/Gain		0.2788	0.0345		829	73		20	1		499	21		506	29		213	21		261	26		271	26					
Ventilation	Case 1		0.03	0.08																										
	Case 2		14.95	11.88																										
	Case 3	x	0.05	0.08		140	162		3	3		84	47		86	64		36	47		44	58		46	58					
Heat Gain People				239	2		478				1		239	1		239				1		239								
Appliances Loads		1 =.25 percent		3660																										
Duct and Pipe loss				10%							1	229	85																	
Level HL Total	12,589	Total HL for per room				3942			97			2600			2407			1015			1241			1288						
Level HG Total	9,957	Total HG per room x 1.3					3694			49			1308			1520			882			1406			1098					

Level 4

Run ft. exposed wall A			A		A		A		A		A		A		A		A		A		A		A	
Run ft. exposed wall B			B		B		B		B		B		B		B		B		B		B		B	
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			B		B		B		B		B		B		B		B		B		B		B	
Exposed Floors			Flr		Flr		Flr		Flr		Flr		Flr		Flr		Flr		Flr		Flr		Flr	
Gross Exp Wall A																								
Gross Exp Wall B																								

Components		R-Values	Loss	Gain		Loss	Gain		Loss	Gain		Loss	Gain		Loss	Gain		Loss	Gain		Loss	Gain		Loss	Gain		Loss	Gain		Loss	Gain
North Shaded		3.55	22.93	11.62																										
East/West		3.55	22.93	29.56																										
South		3.55	22.93	22.50																										
Existing Windows		1.99	40.90	23.66																										
Skylight		2.03	40.10	88.23																										
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		27.65	2.94	1.37																										
Exposed Floors		29.80	2.73	0.17																										
Foundation Conductive Heatloss																														
Total Conductive	Heat Loss																													
	Heat Gain																													
Air Leakage	Heat Loss/Gain		0.0000	0.0345																										
Ventilation	Case 1		0.00	0.08																										
	Case 2		14.95	11.88																										
	Case 3	x	0.05	0.08																										
Heat Gain People				239																										
Appliances Loads		1 =.25 percent		3660																										
Duct and Pipe loss				10%																										
Level HL Total	0	Total HL for per room																												
Level HG Total	0	Total HG per room x 1.3																												

Total Heat Loss	**39,632** btu/h
Total Heat Gain	**24,338** btu/h

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 David DaCosta

SB-12 Package

Package A1

GTADESIGNS

2985 Drew Road, Suite 202, Mississauga, Ontario L4T 0A4 Tel: 905-671-9800
e-mail hvac@gtadesigns.ca

Project # PJ-00041
Layout # JB-07272

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 David DaCosta

Package: Package A1
Project: Bradford **Model:** SD25-4 Lot 154

RESIDENTIAL MECHANICAL VENTILATION DESIGN SUMMARY

For systems serving one dwelling unit & conforming to the Ontario Building Code, O.reg 332/12

Location of Installation

Lot #	Plan #
Township	Bradford
Roll #	Permit #
Address	

Builder

Name	Bayview Wellington
Address	
City	
Tel	Fax

Installing Contractor

Name	
Address	
City	
Tel	Fax

Combustion Appliances 9.32.3.1(1)

a)	x	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

x	Forced air
	Non forced air
	Electric space heat (if over 10% of heat load)

House Type 9.32.3.1(2)

I	x	Type a) or b) appliances only, no solid fuel
II		Type I except with solid fuel (including fireplace)
III		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	x	HRV simplified connection to forced air system
4		HRV full ducting/not coupled to forced air system
		Part 6 design

Total Ventilation Capacity 9.32.3.3(1)

Bsmt & Master Bdrm	2	@	21.2	cfm	42.4	cfm
Other Bedrooms	3	@	10.6	cfm	31.8	cfm
Bathrooms & Kitchen	4	@	10.6	cfm	42.4	cfm
Other rooms	4	@	10.6	cfm	42.4	cfm
			Total		159	

Principal Ventilation Capacity 9.32.3.4(1)

Master bedroom	1	@	31.8	cfm	31.8	cfm
Other bedrooms	3	@	15.9	cfm	47.7	cfm
			Total		79.5	

Principal Exhaust Fan Capacity

Make	Model	Location
VanEE	65H HRV	Base
129 cfm		Sones or Equiv.

Heat Recovery Ventilator

Make	VanEE	
Model	65H HRV	
129 cfm high		80 cfm low
Sensible efficiency @ -25 deg C		60%
Sensible efficiency @ 0 deg C		75%

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

Supplemental Ventilation Capacity

Total ventilation capacity	159.0	
Less principal exhaust capacity	79.5	
REQUIRED supplemental vent. Capacity	79.5	cfm

Supplemental Fans 9.32.3.5.

Location	cfm	Model	Sones
Ens	50	XB50	0.3
Bath	50	XB50	0.3

all fans HVI listed Make Broan or Equiv.

Designer Certification

I hereby certify that this ventilation system has been designed in accordance with the Ontario Building Code.

Name	David DaCosta		
Signature			
HRAI #	5190	BCIN #	32964
Date	June 25, 2021		

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

Energy Efficiency Design Summary: Prescriptive Method

(Building Code Part 9, Residential)

Project # PJ-00041
Layout # JB-07272

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 Principal Authority	
Application No:	Model/Certification Number

A. Project Information

Building number, street name		Unit number	Lot/Con
Sonoma 4 **SD25-4 Lot 154**			
Municipality: **Bradford**	Postal code	Reg. Plan number / other description	

B. Prescriptive Compliance [indicate the building code compliance package being employed in the house design]

SB-12 Prescriptive (input design package): Package A1 Table: 3.1.1.2.A

C. Project Design Conditions

Climatic Zone (SB-1):	Heat. Equip. Efficiency	Space Heating Fuel Source
☑ Zone 1 (< 5000 degree days)	☑ ≥ 92% AFUE	☑ Gas ☐ Propane ☐ Solid Fuel
☐ Zone 2 (≥ 5000 degree days)	☐ ≥ 84% < 92% AFUE	☐ Oil ☐ Electric ☐ Earth Energy

Ratio of Windows, Skylights & Glass (W, S & G) to Wall Area		Other Building Characteristics
Area of Walls = 320.41 m² or 3448.9 ft²	W,S &G % = 12.0%	☐ Log/Post&Beam ☐ ICF Above Grade ☐ ICF Basement ☐ Slab-on-ground ☐ Walkout Basement
Area of W, S & G = 38.554 m² or 415.0 ft²	Utilize Window Averaging ☐ Yes ☑ No	☑ Air Conditioning ☐ Combo Unit ☐ Air Sourced Heat Pump (ASHP) ☐ Ground Source Heat Pump (GSHP)

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 heating systems (3.1.1.2(7) / 3.1.1.3.(7))

☐ Airtightness substitution(s)	☐ Table 3.1.1.4.B	Required:	Permitted Substitution:
Airtightness test required (Refer to Design Guide Attached)	☐ Table 3.1.1.4.C	Required:	Permitted Substitution:
		Required:	Permitted Substitution:

Building Component	Minimum RSI/R-Values or Maximum U-Value[1]		Building Component	Efficiency Ratings
Thermal Insulation	Nominal	Effective	**Windows & Doors** Provide U-Value(1) or ER rating	
Ceiling with Attic Space	60	59.22	Windows/Sliding Glass Doors	1.6
Ceiling without Attic Space	31	27.65	Skylights	2.8
Exposed Floor	31	29.80	**Mechanicals**	
Walls Above Grade	22	17.03	Heating Equip.(AFUE)	96%
Basement Walls	20.0ci	21.12	HRV Efficiency (SRE% at 0°C)	75%
Slab (all >600mm below grade)	x	x	DHW Heater (EF)	0.80
Slab (edge only ≤600mm below grade)	10	11.13	DWHR (CSA B55.1 (min. 42% efficiency))	#Showers 2
Slab (all ≤600mm below grade, or heated)	10	11.13	Combined Heating System	

(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, of person(s) providing information herein to substantiate that design meets building code]

Name	BCIN	Signature
David DaCosta	32964	

2985 Drew Road, Suite 202, Mississauga, Ontario L4T 0A4 Tel: 905-671-9800
e-mail hvac@gtadesigns.ca

Project # PJ-00041
Layout # JB-07272

Package: Package A1 **System:** System 1
Project: Bradford **Model:** SD25-4 Lot 154

Air Leakage Calculations

Building Air Leakage Heat Loss				
B	LRairh	Vb	HL^T	HLleak
0.018	0.350	25324	81.4	12995

Building Air Leakage Heat Gain				
B	LRairh	Vb	HG^T	HG Leak
0.018	0.085	25324	11	428

Air Leakage Heat Loss/Gain Multiplier Table (Section 11)				
Level	Level Factor (LF)	Building Air	Level Conductive Heat Loss	Air Leakage Heat Loss Multiplier
Level 1	0.5	12995	6440	1.0090
Level 2	0.3		9459	0.4122
Level 3	0.2		9322	0.2788
Level 4	0		0	0.0000

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

		Air Leakage Heat Gain
HG LEAK	428	0.0345
BUILDING CONDUCTIVE HEAT GAIN	12409	

Levels this Dwelling
3

Ventilation Calculations

Vent

Ventilation Heat Loss

Ventilation Heat Loss				
C	PVC	HL^T	(1-E) HRV	HLbvent
1.08	79.5	81.4	0.17	1188

Ventilation Heat Gain

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

Case 1

Ventilation Heat Loss (Exhaust only Systems)

Case 1 - Exhaust Only				
Level	LF	HLbvent	LVL Cond. HL	Multiplier
Level 1	0.5	1188	6440	0.09
Level 2	0.3		9459	0.04
Level 3	0.2		9322	0.03
Level 4	0		0	0.00

Ventilation Heat Gain (Exhaust Only Systems)

Case 1 - Exhaust Only		Multiplier
HGbvent	944	0.08
Building	12409	

Case 2

Ventilation Heat Loss (Direct Ducted Systems)

			Multiplier
C	HL^T	(1-E) HRV	14.95
1.08	81.4	0.17	

Ventilation Heat Gain (Direct Ducted Systems)

		Multiplier
C	HG^T	11.88
1.08	11	

Case 3

Ventilation Heat Loss (Forced Air Systems)

	HLbvent	Multiplier
Total Ventilation Load	1188	0.05

Ventilation Heat Gain (Forced Air Systems)

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

Foundation Conductive Heatloss Level 1	Level 1	1641	Watts	5600	Btu/h
Foundation Conductive Heatloss Level 2	Level 2		Watts		Btu/h
Slab on Grade Foundation Conductive Heatloss			Watts		Btu/h
Walk Out Basement Foundation Conductive Heatloss			Watts		Btu/h

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 David DaCosta

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 Shielding	
Building Site:	Suburban, forest
Walls:	Heavy
Flue:	Heavy
Highest Ceiling Height (m):	7.32

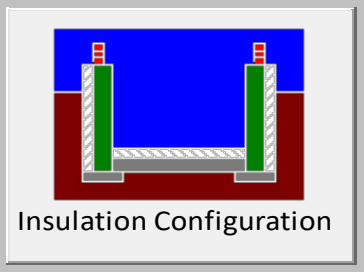
Building Configuration	
Type:	Semi-Detached
Number of Stories:	Two
Foundation:	Shallow
House Volume (m^3):	717.16

Air Leakage/Ventilation				
Air Tightness Type:	Present (1961-) (ACH=3.57)			
Custom BDT Data:	ELA @ 10 Pa.	322.44	cm^2	
	3.57	ACH @ 50 Pa		
Mechanical Ventilation (L/s):	Total Supply:	Total Exhaust:		
	39.75	39.75		
Flue #:	#1	#2	#3	#4
Diameter (mm):	0	0	0	0

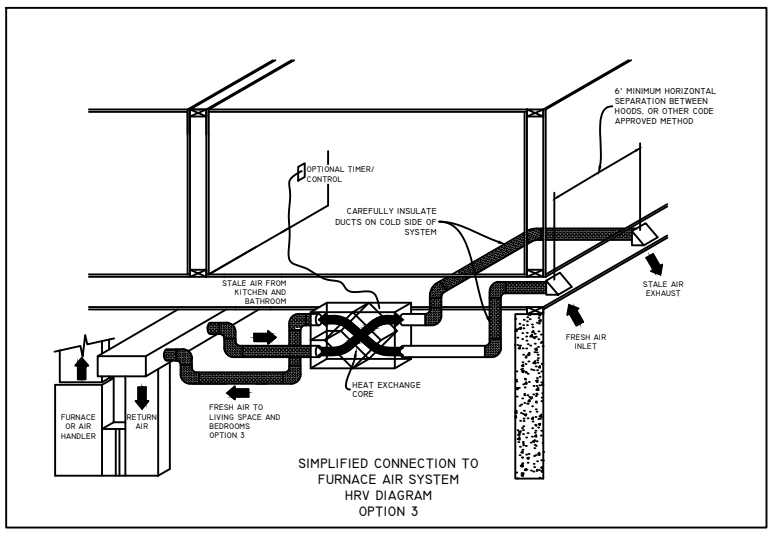
Heating Air Leakage Rate (ACH/H):	**0.350**
Cooling Air Leakage Rate (ACH/H):	**0.085**

Residential Foundation Thermal Load Calculator

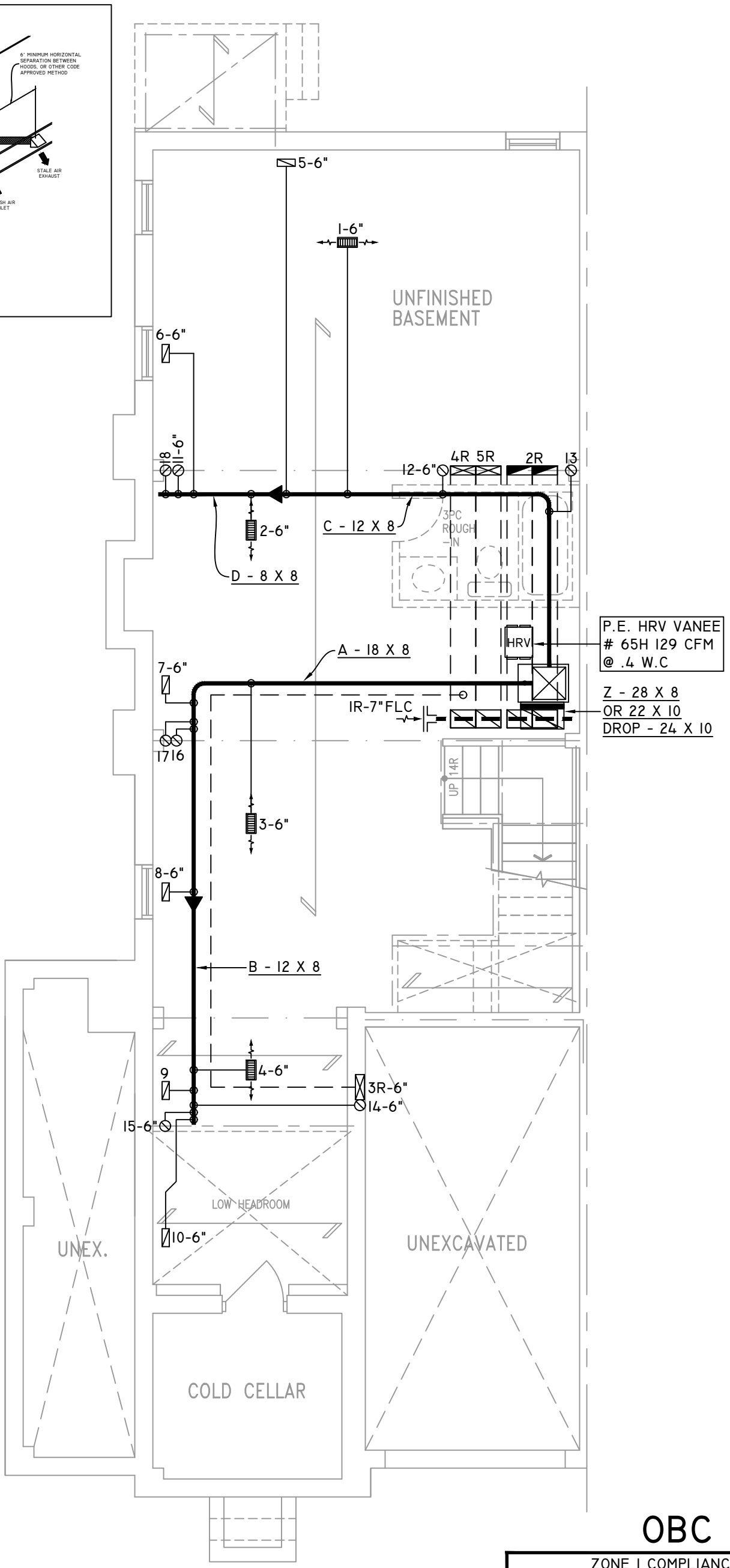
Supplemental tool for CAN/CSA-F280

Weather Station Description		
Province:	Ontario	
Region:	Bradford	
Site Description		
Soil Conductivity:	High conductivity: moist soil	
Water Table:	Normal (7-10 m, 23-33 Ft)	
Foundation Dimensions		
Floor Length (m):	**17.80**	 Insulation Configuration
Floor Width (m):	**4.75**	
Exposed Perimeter (m):	**32.92**	
Wall Height (m):	**2.59**	
Depth Below Grade (m):	**1.22**	
Window Area (m^2):	**1.67**	
Door Area (m^2):	**1.95**	
Radiant Slab		
Heated Fraction of the Slab:	**0**	
Fluid Temperature (°C):	**33**	
Design Months		
Heating Month	**1**	
Foundation Loads		
Heating Load (Watts):	**1641**	

~~	FLEX DUCT		LOW/HIGH WALL/KICK SUPPLY DIFFUSER		DUCT CONNECTION TO JOIST LINING		RETURN AIR GRILLE (SIZE INDICATED ON DRAWING)	S.A.	SUPPLY AIR
——	RIGID ROUND DUCT		HRV EXHAUST GRILLE		RETURN AIR PIPE RISER		RETURN AIR RISER UP TO FLOOR ABOVE	R.A.	RETURN AIR
	SUPPLY DIFFUSER		SUPPLY AIR PIPE RISER		RETURN ROUND DUCT		RETURN AIR FROM BASEMENT SECOND FLOOR	T	THERMOSTAT
			VOLUME DAMPER					$ F PE	PRINCIPAL EXHAUST FAN SWITCH W/R & PRINCIPAL EXHAUST FAN



SIMPLIFIED CONNECTION TO FURNACE AIR SYSTEM
HRV DIAGRAM
OPTION 3



FURNACE EQUIPPED WITH BRUSHLESS DC MOTOR AS PER OBC 12.3.1.5 (2)

INSULATE ALL DUCTS IN UNCONDITIONED SPACES MIN. RI2

ALL DUCTWORK LOCATED IN UNCONDITIONED AREAS MUST BE SEALED TO CLASS A LEVEL AS PER OBC PART 6-6.2.4.3.(II)

ALL DUCTWORK LOCATED IN CONDITIONED AREAS MUST BE SEALED TO CLASS C LEVEL AS PER OBC PART 6-6.2.4.3.(I2)

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 B.C.I.N. 32964

SIGNATURE OF DESIGNER

OBC 2012

ZONE 1 COMPLIANCE
PACKAGE "A1" REF. TABLE 3.1.1.2.A

NOTES

INSTALLATION TO COMPLY WITH THE LATEST ONTARIO BUILDING CODE.
ALL SUPPLY OUTLETS TO BE 5" DIA. UNLESS OTHERWISE SPECIFIED.
PROVIDE BALANCING DAMPERS ON ALL BRANCHES.
ALL R/A PARTITIONS 6" (FIRST FLOOR ONLY)
INSULATE DUCTS IN UNCONDITIONED SPACES RI2 UNDERCUT ALL DOORS 1" 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

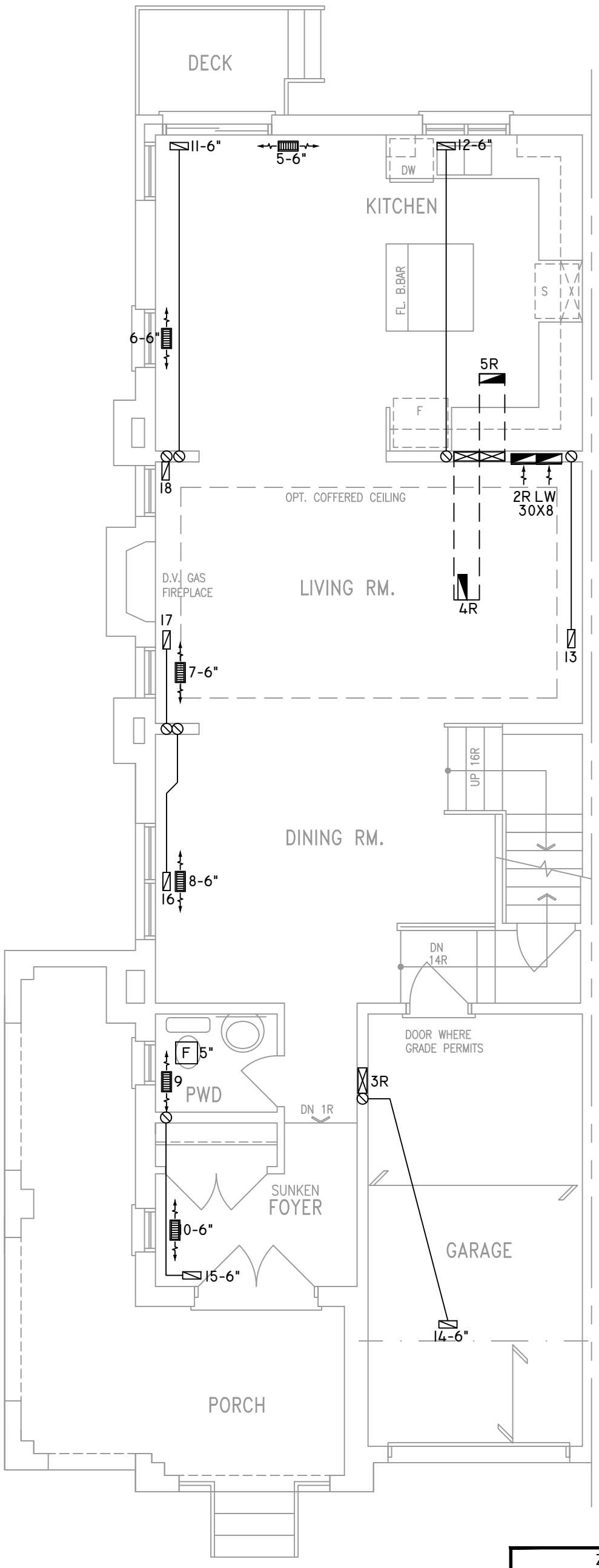
HEAT-LOSS	39,632 BTU/HR.
UNIT MAKE	AMANA OR EQUAL.
UNIT MODEL	AMEC960603ANA OR EQUAL.
UNIT HEATING INPUT	60,000 BTU/HR.
UNIT HEATING OUTPUT	57,600 BTU/HR.
A/C COOLING CAPACITY	2.5 TONS.
FAN SPEED	929 CFM

# OF RUNS	S/A	R/A	FANS
3RD FLOOR			
2ND FLOOR	8	3	3
IST FLOOR	6	1	2
BASEMENT	4	1	

FLOOR PLAN: BASEMENT		
DRAWN BY: JL	CHECKED: DD	SQFT 2185
LAYOUT NO. JB-07272		DRAWING NO. M1

DATE:	JUNE 1, 2021
CLIENT:	BAYVIEW WELLINGTON
MODEL:	SD25-4 LOT 154 SONOMA 4
PROJECT:	GREEN VALLEY EAST BRADFORD,ONT.
SCALE:	3/16" = 1'-0"

FLEX DUCT RIGID ROUND DUCT SUPPLY DIFFUSER	LOW/HIGH WALL/KICK SUPPLY DIFFUSER HRV EXHAUST GRILLE 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	S.A. R.A. T $ F PE	SUPPLY AIR RETURN AIR THERMOSTAT PRINCIPAL EXHAUST FAN SWITCH W/R & PRINCIPAL EXHAUST FAN



KITCHEN EXHUST
100 CFM MIN. 6"
ALL OTHER FANS SHALL BE
A MIN. OF 50 CFM OR
OTHERWISE NOTED
AS PER 9.32.3.5

CIRCULATION PRINCIPAL
FAN SWITCH
TO BE CENTRALLY
LOCATED

INSULATE ALL DUCTS IN
UNCONDITIONED
SPACES MIN. RI2

ALL DUCTWORK LOCATED IN
UNCONDITIONED AREAS
MUST BE SEALED TO CLASS
A LEVEL AS PER OBC PART
6-6.2.4.3.(11)

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

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 B.C.I.N. 32964

SIGNATURE OF DESIGNER

OBC 2012

ZONE 1 COMPLIANCE
PACKAGE "A1" REF. TABLE 3.1.1.2.A

NOTES
INSTALLATION TO COMPLY WITH THE LATEST ONTARIO BUILDING CODE.
ALL SUPPLY OUTLETS TO BE 5" DIA. UNLESS OTHERWISE SPECIFIED.
PROVIDE BALANCING DAMPERS ON ALL BRANCHES.
ALL R/A PARTITIONS 6" (FIRST FLOOR ONLY)
INSULATE DUCTS IN UNCONDITIONED SPACES RI2 UNDERCUT ALL DOORS 1" 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

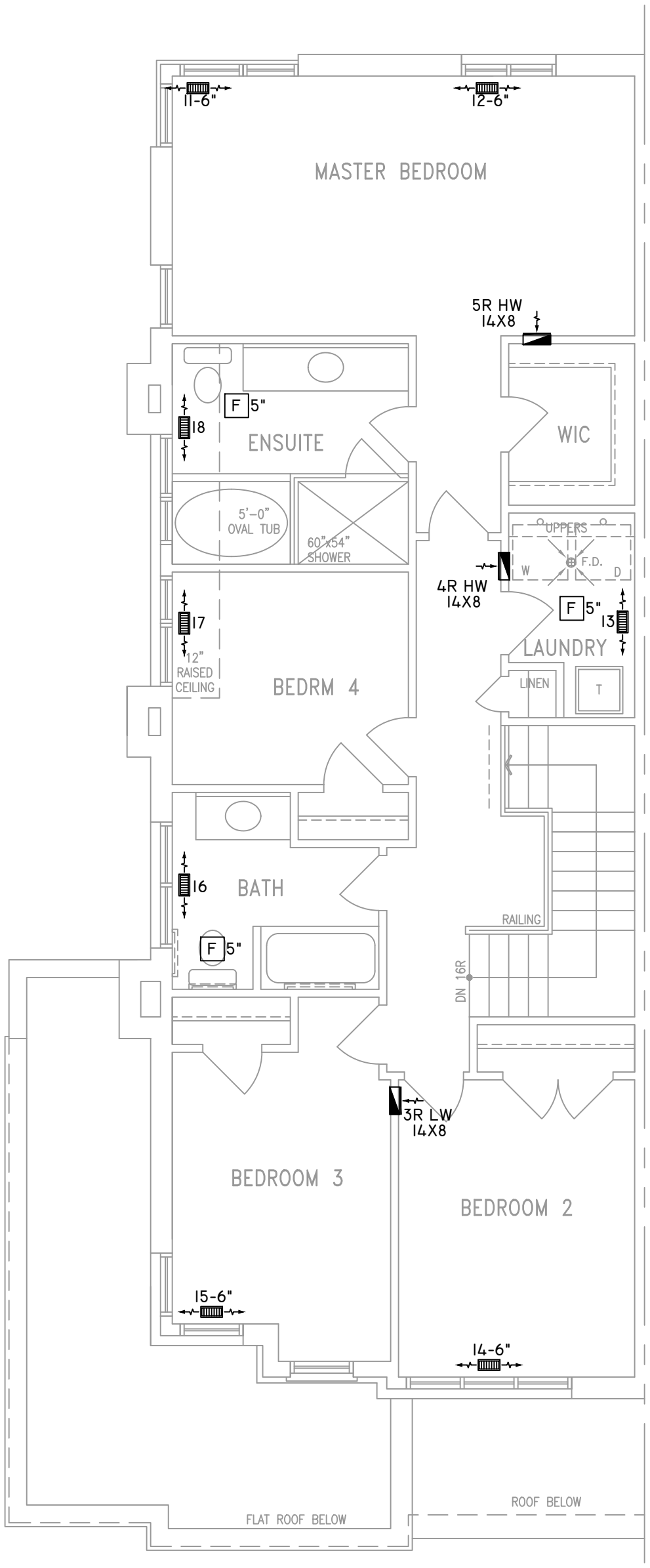
HEAT-LOSS	39,632 BTU/HR.
UNIT MAKE	AMANA OR EQUAL.
UNIT MODEL	AMEC960603ANA OR EQUAL.
UNIT HEATING INPUT	60,000 BTU/HR.
UNIT HEATING OUTPUT	57,600 BTU/HR.
A/C COOLING CAPACITY	2.5 TONS.
FAN SPEED	929 CFM

# OF RUNS	S/A	R/A	FANS
3RD FLOOR			
2ND FLOOR	8	3	3
IST FLOOR	6	1	2
BASEMENT	4	1	

FLOOR PLAN: GROUND FLOOR		
DRAWN BY: JL	CHECKED: DD	SQFT 2185
LAYOUT NO. JB-07272		DRAWING NO. M2

DATE:	JUNE 1, 2021
CLIENT:	BAYVIEW WELLINGTON
MODEL:	SD25-4 LOT 154 SONOMA 4
PROJECT:	GREEN VALLEY EAST BRADFORD,ONT.
SCALE:	3/16" = 1'-0"

~~	FLEX DUCT	⊢	LOW/HIGH WALL/KICK SUPPLY DIFFUSER		DUCT CONNECTION TO JOIST LINING		RETURN AIR GRILLE (SIZE INDICATED ON DRAWING)	S.A.	SUPPLY AIR
———	RIGID ROUND DUCT	⊢	HRV EXHAUST GRILLE		RETURN AIR PIPE RISER		RETURN AIR RISER UP TO FLOOR ABOVE	R.A.	RETURN AIR
⊢	SUPPLY DIFFUSER	⊘	SUPPLY AIR PIPE RISER		RETURN ROUND DUCT		RETURN AIR FROM BASEMENT SECOND FLOOR	T	THERMOSTAT
		⊢	VOLUME DAMPER					$	PRINCIPAL EXHAUST FAN SWITCH
								F PE	W/R & PRINCIPAL EXHAUST FAN



INSULATE ALL DUCTS IN UNCONDITIONED SPACES MIN. RI2

ALL DUCTWORK LOCATED IN UNCONDITIONED AREAS MUST BE SEALED TO CLASS A LEVEL AS PER OBC PART 6-6.2.4.3.(II)

ALL DUCTWORK LOCATED IN CONDITIONED AREAS MUST BE SEALED TO CLASS C LEVEL AS PER OBC PART 6-6.2.4.3.(I2)

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 B.C.I.N. 32964

SIGNATURE OF DESIGNER

OBC 2012

ZONE 1 COMPLIANCE
PACKAGE "A1" REF. TABLE 3.1.1.2.A

NOTES

INSTALLATION TO COMPLY WITH THE LATEST ONTARIO BUILDING CODE.
ALL SUPPLY OUTLETS TO BE 5" DIA. UNLESS OTHERWISE SPECIFIED.
PROVIDE BALANCING DAMPERS ON ALL BRANCHES.
ALL R/A PARTITIONS 6" (FIRST FLOOR ONLY)
INSULATE DUCTS IN UNCONDITIONED SPACES RI2 UNDERCUT ALL DOORS 1" 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

HEAT-LOSS	39,632 BTU/HR.
UNIT MAKE	AMANA OR EQUAL.
UNIT MODEL	AMEC960603ANA OR EQUAL.
UNIT HEATING INPUT	60,000 BTU/HR.
UNIT HEATING OUTPUT	57,600 BTU/HR.
A/C COOLING CAPACITY	2.5 TONS.
FAN SPEED	929 CFM

# OF RUNS	S/A	R/A	FANS
3RD FLOOR			
2ND FLOOR	8	3	3
IST FLOOR	6	1	2
BASEMENT	4	1	

FLOOR PLAN: SECOND FLOOR		
DRAWN BY: JL	CHECKED: DD	SQFT 2185
LAYOUT NO. JB-07272	DRAWING NO. M3	

DATE: JUNE 1, 2021
CLIENT: BAYVIEW WELLINGTON
MODEL: SD25-4 LOT 154 SONOMA 4
PROJECT: GREEN VALLEY EAST BRADFORD,ONT.
SCALE: 3/16" = 1'-0"