



8850 McLaughlin Road, Unit 1 Brampton, ON L6Y 5T1

CITY OF BRAMPTON – BUILDING DIVISION

	HVAC DESIGNS	S					
APPLICATION NO.:	19-567625 000 00 CM	FOLDER TYP.;	СМ				
DESCRIPTION OF PROJECT:	PLAN M2039	SUB TYP:	Single Family Detached				
BUILDERS NAME:	GOLD PARK HOMES						
PLAN NUMBER:		MODEL NAME:	2017/38-11				
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Planning and Development Services

Building Division 8850 McLaughlin Road, Unit 1 Brampton, ON L6Y 5T1

WATER PIPE SIZING AND PLUMBING DATA SHEET CERTIFIED MODEL WITH ONE DWELLING UNIT

CITY OF BRAMPTON BUILDING DIVISION REVIEWED BY: S. DESAI

DEC 1 2 2019 (9-

ATTACHED NOTES ARE PART OF REVIEWED DRAWINGS ALL WORK MUST COMPLY WITH OBC

THIS TABLE IS APPLICABLE FOR A HOUSE AFTER DECEMBER 31, 2017

Builder Name:

Fieldwalk Investments Inc.

Certified Model Name:

38-11

Optional Floor Layout:

Application No.:

The Ontario Building Code Div. B, 7.6.3 regulates size and capacity of pipes for a new house. Please enter the number of individual fixtures as listed and bathroom groups⁽⁶⁾ or powder room groups⁽⁷⁾ per floor. The fixture units and required minimum size of water service will automatically be calculated.

Description	Basement Floor	First Floor	Second Floor	Third Floor
	Qty.	Qty.	Qty.	Qty.
Bathroom group ⁽⁶⁾	1 /	0	3 *	0
Bidet	0	0	0	0
Extra Shower	0	0	0 1	0
Lav	0	20	3-2	0
Bar Sink	0	0	0	0
Powder room ⁽⁷⁾	0	1 -	0	0
Kitchen Sink	0	1 /	0	0
Dishwasher	0	1	0	0
Laundry Tub	0	0	1	0
Washing Machine	0	0	1 '	0
Hose Bib	0	2 /	0	0

Total Fixture Units

27.9 30.7

Minimum Diametre of Water Service Pipe Required from the Property Line to the

1

House (Inch)

Notes:

- (1) A potable water system shall be designed, constructed and installed to conform to good engineering practice appropriate to the circumstances, such as that described in the ASHRAE Handbooks and ASPE Data Books.
- (2) No water system between the point of connection with the water service pipe or the water meter and the first branch that supplies a water heater that serves more than one fixture shall be less than ¾ in. in size.
- (3) The minimum water pressure at the entry to the building is 200 kPa, and the total maximum length of the water system is 90 m.
- (4) In a hot water distribution system of a developed length of more than 30 m from the HWT to the farthest fixture or supplying more than 4 storeys, the water temperature shall be maintained by, (a) recirculation, or (b) a self-regulating heat tracing system.
- (5)
 - Where piping may be exposed to freezing conditions, it shall be protected from the effects of freezing.
- (6) A bathroom group consists of 1 water closet, 1 lavatory, and 1 bathtub (with or without showerhead)
- (7) A powder room group consists of 1 water closet and 1 lavatory.

Energy Efficiency Design Summary: Prescriptive Method

(Building Code Part 9, Residential)

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 P	rincinal A	ithority					
Application No:		r or use by r	Model/Certification Number						
A. Project Information					- House				
Building number, street name					Unit number	LovCon			
Municipality	Postal o	code	Reg. PI	an number / other description	38-11 'A'				
BRAMPTON									
B. Prescriptive Compliance	indicate the	building code co	ompliance	package being employ	yed in this house of	design]			
SB-12 Prescriptive (input design p	ackage): P	ackage: A1		Table	3.1.1.2.A				
C. Project Design Conditions									
Climatic Zone (SB-1):		uipment Effi	ciency	Space Heating Fi	uel Source				
Zone 1 (< 5000 degree days)	■ ≥ 92% AF				□ Propane	□ Solid Fuel			
□ Zone 2 (≥ 5000 degree days)	□ ≥ 84% < 9				□ Electric	□ Earth Energy			
Ratio of Windows, Skylights & Glass	(W, S & G) to	Wall Area		Other Building C					
Area of walls = 330.74 m^2 or $3,560.09$ ft^2		4		□ Log/Post&Beam					
Area of walls =fill orft	W, S & G	% = <u>11.01</u>		□ Slab-on-ground □ Walkout Basement □ Air Conditioning □ Combo Unit					
	I Itiliza udadaw		/aa =Na	☐ Air Conditioning ☐ Combo Unit ☐ Air Sourced Heat Pump (ASHP)					
Area of W, S & G = 36.43 m ² or 392.12 ft ²	Utilize Window	averaging:	res ¬No	☐ Ground Sourced					
					OCCUPATION AND DESCRIPTION OF THE PERSON NAMED IN COLUMN TWO PERSON NAMED I	PRAMPIUN			
D. Building Specifications [pro	ovide values an	d ratings of the	energy eff	iciency components p	roposed	~ = min/icitin			
Energy Efficiency Substitutions					REVIE	WED BI. O.			
□ ICF (3.1.1.2.(5) & (6) / 3.1.1.3.(5) & (1	DEC 1 2 2019 50			
□ Combined space heating and domes	tic water heat	ting systems	(3.1.1.2.(7) / 3.1.1.3.(7))	1	. DE DART			
= Airtightness substitution(s)					ATTACH	HED NOTES ARE PART			
	.1.1.4.B Red	quired:		Permitte	ed Substitution.	HED NOTES AND EVIEWED DRAWINGS IK MUST COMPLY WITH OB			
Airtightness test required (Refer to Design Guide Attached) ⊔ Table 3	.1.1.4.C Red	quired:			ed Substitution:	IN MICO			
		uired:			ed Substitution:				
Building Component	Minimum R	SI / R values n U-Value ⁽¹⁾		Building Compo		Efficiency Ratings			
Thermal Insulation	Nominal	Effective	Windo	ws & Doors Provide	de U-Value ⁽¹⁾ or ER	rating			
Ceiling with Attic Space	60 🗸	59.22	Window	ws/Sliding Glass D	oors	0.28			
Ceiling without Attic Space	31 ^	27.65	Skyligh	ts/Glazed Roofs		0.49			
Exposed Floor	31 *	29.80	Mecha	nicals					
Walls Above Grade	22	17.03	Heating	g Equip.(AFUE)		96%			
Basement Walls	20 ci -	21.12	HRVE	fficiency (SRE% at 0)°C)	75%			
Slab (all >600mm below grade)	-	-	DHW H	leater (EF)		0.80			
Slab (edge only ≤600mm below grade)	10		DWHR	(CSA B55.1 (min. 42°	% efficiency))	# Showers 3			
Slab (all ≤600mm below grade, or heated)	10	11.13		ned Heating System					
(1) U value to be provided in either W/(m²-k/) E. Designer(s) Iname(s) & BCIN(s)									

BCIN

47245

Signature

·W

Form authorized by OHBA, OBOA, LMCBO. Revised December 1, 2016.

Jorge Moreno

Qualified Designer Declaration of designer to have reviewed and take responsibility for the design work

GOLD PARK

Schedule 1: Designer Information

Use one for	orm for each individual who revie	ews and takes re	sponsibility for design activi	ties with respect to	the project.
A. Proje	ect Information				
Building	umber, street name	•		Unit no.	Lot/con.
Municipali	by Brampton	Postal code	Plan number/ other descr	iption 43M-203	39
B. Indiv	idual who reviews and take	s responsibili	ty for design activities		
Name	DORIS LEUNG		Firm EWP DESIGN I	NC.	
Street add	ress 7630 AIRPORT ROA	\D	-	Unit no.	Lot/con.
Municipalit	MISSISSAUGA	Postal code L4T 4G6	Province ON	E-mail	
Telephone 905-832-225		Fax number		Cell number	*0
C. Design	gn activities undertaken by	individual ide	ntified in Section B. [Bu	uilding Code Tal	ole 3.5.2.1. of
	louse	Пнудс	C – House	✓Building	Structural
	Small Buildings		ng Services		g – House
L	arge Buildings	Detec	ction, Lighting and Power	Plumbin	g – All Buildings
	Complex Buildings	Fire F	Protection	On-site	Sewage Systems
Description	n of designer's work ROOF TI	RUSS ENGI	NEERING AND LAY	OUT	,
	FLOOR I	-JOIST ENG	SINEERING AND LA	YOUT	
	Model 38	3-11 A. B. wi	th all options and cor	ner	
D. D. J.					
D. Decla	aration of Designer	- 4			
	DODIS	LEUNG			
1				declare that (choos	se one as appropriate):
	(print nam	ie)	*	£.	
✓	I review and take responsibility C, of the Building Code. I am of				
	Individual BCIN: 25593				
	Firm BCIN: 113884	1		_	
	I review and take responsibility under subsection 3.2.5.of Divis			opriate category as	an "other designer"
	Individual BCIN:			_	
	Basis for exemption from I	registration: _			
	The design work is exempt from	m the registration	n and qualification requirem	ents of the Building	Code.
	Basis for exemption from I	egistration and	qualification:		
I certify tha		anhadule !a to	to the heat of my lime and a day		
	he information contained in this a have submitted this application v) .	
2. 1					
	P106/75/VOI		Marsterno		
	Date		Signature of Designer		

NOTE:

- For the purposes of this form, "individual" means the "person" referred to in Clause 3.2.4.7(1) (c).of Division C, Article 3.2.5.1. of Division C, and all other persons who are exempt from qualification under Subsections 3.2.4. and 3.2.5. of Division C.
- Schedule 1 is not required to be completed by a holder of a license, temporary license, or a certificate of practice, issued by the Ontario
 Association of Architects. Schedule 1 is also not required to be completed by a holder of a license to practise, a limited license to practise,
 or a certificate of authorization, issued by the Association of Professional Engineers of Ontario.

Energy Efficiency Design Summary: Prescriptive Method

(Building Code Part 9, Residential)

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%.

Application No:			For use by F						
T P P P P P P P P P P P P P P P P P P P				Model/	Certification Number				
A. Project Informatio	n								
Building number, street name						Unit number	LovCon		
Municipality		Postal	code	I Reg PI	an number / other descripti	38-11 'B'			
BRAMPTON				1109.11	arrianiber / other descripti	on			
B. Prescriptive Co	mpliance	e [indicate the	building code c	ompliance	package being emplo	ved in this house	design1		
SB-12 Prescriptive (inp						3.1.1.2.A	accig.ij		
C. Project Design Co	nditions	i							
Climatic Zone (SB-1):			uipment Effi	ciency	Space Heating F	uel Source			
Zone 1 (< 5000 degree day		■ ≥ 92% AF				□ Propane	□ Solid Fuel		
⊓ Zone 2 (≥ 5000 degree day	□ ≥ 84% < 9			⊐ Oil	□ Electric	□ Earth Energy			
Ratio of Windows, Skylights	s & Glass	(W, S & G) to	o Wall Area		Other Building C				
Area of walls = $329.24 \text{ m}^2 \text{ or } 3$,543.92 62				□ Log/Post&Beam				
Alea of Walls =fill of _		W, S & G	% = <u>10.25</u> /	1	□ Slab-on-ground □ Walkout Basement □ Air Conditioning □ Combo Unit				
		I Itiliza window	averaging: ¬'	Voc -No	□ Air Conditioning				
Area of W, S & G = 33.76 _{m²} o	r_363.40 _{ft2}	Othize window	averaging.	res i No	☐ Ground Source				
D. Building Specifica									
Energy Efficiency Subs					, , , , , ,	CITY	OF BRAMPTON		
□ ICF (3.1.1.2.(5) & (6) / 3.1.	1.3 (5) & (6))				REVI	EWED BY: S. DESA		
□ Combined space heating a			ting systems	(3 1 1 2 (7) / 3 1 1 3 /7))		DEC 1 2 2019 50		
= Airtightness substitution(s)			ang oyotomo	(0.1.1.2.(7 7 3.1.1.3.(7))		DEC 1 Z ZUIS		
		.1.1.4.B Red	quired:		Permitte	ed Substitation	CHED NOTES ARE PART		
Airtightness test required (Refer to Design Guide Attached)	⊔ Table 3	.1.1.4.C Red	quired:			OF REVIEWED DRAWINGS itted Substitution ORK MUST COMPLY WITH O			
(· · · · · · · · · · · · · · · · · · ·			quired:				ORK MOOT COM C.		
Building Compone	nt		SI / R values		Building Compo	ed Substitution:	Efficiency Ratings		
		or Maximu	m U-Value ⁽¹⁾						
Thermal Insulation		Nominal	Effective		ws & Doors Provi		rating		
Ceiling with Attic Space		60	59.22	Windov	vs/Sliding Glass D	Doors	0.28		
Ceiling without Attic Space		31	27.65	Skyligh	ts/Glazed Roofs		0.49		
Exposed Floor		31	29.80	Mecha	nicals				
Walls Above Grade		. 22	17.03	Heating	Equip.(AFUE)		96%		
Basement Walls		20 ci	21.12	HRV Ef	ficiency (SRE% at 0	75%			
Slab (all >600mm below grade)		-	-		leater (EF)		0.80		
Slab (edge only ≤600mm below	grade)	10		DWHR	(CSA B55.1 (min. 42°	% efficiency))	# Showers 3		
Slab (all ≤600mm below grade,	or heated)	10	11.13		ed Heating System				
(1) U value to be provided in eith			but not both.						
E. Designer(s) [name(s)	& BCIN(s),	if applicable, of	f person(s) prov	iding inform	mation herein to subst	antiate that design	meets the building codel		

BCIN

47245

Signature

· LU

Name

Jorge Moreno

Qualified Designer Declaration of designer to have reviewed and take responsibility for the design work.

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	Late Maria Maria Charles	是 1 × 1 × 1 × 1 × 1 × 1 × 1	See See State	Walter and A	以外是 对于1000	Market Service	CONTRACTOR OF THE PROPERTY OF
Building number, street name	19 201日 日本	AND THE PERSON NAMED AND ADDRESS OF THE PERSON NAMED AND ADDRE	251 fm 17 2 590	新华的大学	Unit no.		Lot/con.
Municipality	Postal code	IDI					Lobcon.
BRAMPTON	Postal code	Plan number	other desc	cription _	13M-	203	9
B. Individual who reviews and takes r	oon one likilite to	Control of the Contro	WY TO PERSON NAMED IN COLUMN	DON'T DEPRESE BUT LIBEROUS	1)11	200	1
Name	esponsibility to	Firm	vities	45276		Salar Salar	
MICHAEL O'ROURKE		HVAC DESIG	SNS LTD.				
Street address 375 FINLEY AVE				Unit no. 202			Lot/con. N/A
Municipality	Postal code	Province		E-mail			N/A
AJAX	L1S 2E2	ONTARIO		info@hvaco	designs.ca		
Telephone number (905) 619-2300	Fax number (905) 619-2375			Cell number			
C. Design activities undertaken by inc	lividual identifie	d in Section	B. [Buildi	ing Code T	able 3.5.2.1	OF Division	on C]
House	⊠ HVAC				3 Building	Structure	
☐ Small Buildings ☐ Large Buildings	☐ Building	Services			Plumbing	- House	
☐ Complex Buildings	☐ Fire Pro	on, Lighting otection	and Pow		Plumbing On-site	g – All Bui Sewage S	ildings ystems
Description of designer's work HEAT LOSS / GAIN CALCULATIONS			Model:	38-11			
DUCT SIZING				THE SCHUM	ANN		
RESIDENTIAL MECHANICAL VENTILATION	DESIGN SUMMA	RY			TININ		
RESIDENTIAL SYSTEM DESIGN per CSA-F	280-12		Project:	ENCORE 2			
D. Declaration of Designer	建 相同的原则						
MICHAEL O'ROURKE				declare	that (choose	one as appr	opriate).
23.	it name)					1.7.17	opriato).
I review and take responsibility for Division C, of the Building Code. I classes/categories.	the design work on am qualified, and th	behalf of a firm the firm is regis	m registere tered, in the	d under subs		of opriate	
Individual BCIN: Firm BCIN:							
I review and take responsibility for designer" under subsection 3.2.5	the design and am 5.of Di vision	qualified in the C, of the Build	e appropriati	te category a	s an "other		
Individual BCIN:	9669						
Basis for exemption from	m registration and o	qualification:		O.B.C SE	NTENCE 3	3.2.4.1 (4)	
The design work is exempt Basis for exemption from registration	from the registration on and qualification	n and qualifica					
I certify that:							
The information contained I have submitted this application	in this schedule	e is true to the ge and conser	best of my	knowledge.			
					1	21	
October 17, 2019			3	Myseka	of OKO	inhe.	
Date			_		Signatu	re of Design	ier
NOTE:							

^{1.} For the purposes of this form, "individual" means the "person" referred to in Clause 3.2.4.7(1) d).of Division C, Article 3.2.5.1. of Division C, and all other persons who are exempt from qualification under Subsections 3.2.4, and 3.2.5, of Division C.

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SITE NAME: BUILDER:			OMES				TYPE	THE SCHU : 38-11	MANN			GFA.	2995			ATE: Oct						HANGE RATE 0.325			ΔT °F. 74 -	CSA-
ROOM USE			M	MBR	T	ENS			IC	_	BED-2		1	BED-3				_		MER NA		HANGE RATE 0.106			ΔT °F. 11	SB-12 PACK
EXP. WALL	-	- 1		34	- 1	24)	1	36		1	26	- 1		D-4 5	1	ENS-2		WIC-2		T-E	BA TH		
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	FACTO	ors			- 1					1	•		1	,	- 1	,	,	1	9	1	9			9		- 1
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SOUTH	20.8	23.3	0	0 0	8	- 166	187	0	0	0	0	0	0	0		0 (0	0 0	0	0 0		0	0 0	1	
WEST	20.8	39.1	0	0 0	0	0	0	0	0	40	831	1566	40			0 (6 .	125 14		0 0		0	0 0	1	
SKYLT.	36.4	100.7	0	0 0	0	0	0	0	3	0	0	0	0	0				0	0 0	7 .	145 274		0	0 0	1	1
DOORS	24.7	3.7	0	0 0	0	0	0	0	0	0	0	0	0	0	200	0 (0	0 0	0	0 0		0	0 0	1	
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EXPOSED CLG	1.3	0.6	346 / 4	134 19	3 143	3 179	80	81 1	2	188		105	182			201 25	-	0	0 0	0	0 0		0	0 0	1	
NO ATTIC EXPOSED CLG		1.2		0 0		_	0	0		0	0	0	0	0		0 0		56 _	70 31	43	54 24	1 1	3505000 11000	62 72	l	
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SLAB ON GRADE HEAT LOSS	1			0		0			0		0		1	0				1	0		0		,	•		1
SUBTOTAL HT LOSS			22	292		1482		4:	4		2304		1	2353		100		1			0			0		1
SUB TOTAL HT GAIN				162	3		940		97			1854			1859	100	341	1	443	1	464		61	84		
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523.111.	FACTO	nps			1	10		10		1	10	- 1		9	- 1	12			12	1	12			- 1		9
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EAST	20.8	14.9			١.	0					-	-	2		MIAI	LOS	S GAIN	ı	LOSS GAIR		252 LOSS GAIN	-	ACCOLUMNOUS		THE REAL PROPERTY.	1092 LOSS
	100000000000000000000000000000000000000	14.9 39.1			0	0	0	0 0	0	0	0	0	0	0	0 0	0 0	0	0	0 0			>	>		T 0	1092 LOSS
SOUTH	20.8	14.9 39.1 23.3			0	0	0	111 230	6 4345	0	0	0	0	0	0 0	0 0	0	0	0 0	0	LOSS GAIN	ALL	Ą		2 ₈ 8	LOSS
SOUTH WEST	20.8 20.8	39.1					0	111° 230	6 4346 0	0 24	0 499	0 560	0 24	0 0 499	0 0	0 0	0	0	0 0 0 0 0 0	0 0	O 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	ALL W	ATTA		REC	D O
	20.8 20.8 20.8	39.1 23.3			30 0	0 623	0 0 700	111° 230 0 0 0 0	6 4345 0 0	0 24 0	0 499 0	0 560 0	0 24 0	0 0 499 0	0 0	0 0	0 0 0	0 0 0	0 0 0 0 0 0 0 0	0 0 0	LOSS GAIN 0 0 0 0 0 0	ALL WOR	ATTAC		Laga Laga	LOSS 0 0 4 83
WEST	20.8 20.8 20.8 36.4	39.1 23.3 39.1			0 30 0	0 623 0	0 0 700 0	111° 230 0 0 0 0 0 0	6 4346 0	0 24 0 0	0 499 0 0	0 560 0 0	0 24 0 0	0 499 0 0	0 0		0 0 0	0 0 0 0	0 0 0 0 0 0 0 0	0 0 0	LOSS GAIN 0 0 0 0 0 0 0 0 0 0	OF RE	АТТАСН		EVEL TYTE	LOSS 0 0 4 83 7 145
WEST SKYLT.	20.8 20.8 20.8 36.4	39.1 23.3 39.1 100.7			0 30 0	0 623 0 0	0 0 700 0	111° 230 0 0 0 0 0 0	6 4346 0 0 0	0 24 0 0 20	0 499 0 0 493	0 560 0 0 73	0 24 0 0	0 499 0 0	0 0 0 0 0 0 0 0 0 0		0 0 0 0 0 0	0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 1159 172	0 0 0 0 0	LOSS GAIN 0 0 0 0 0 0 0 0 0 0 493 73		王		Laga Laga	LOSS 0 0 4 83 7 145 0 0
WEST SKYLT. DOORS NET EXPOSED WALL NET EXPOSED BSMT WALL ABOVE GR	20.8 20.8 20.8 36.4 24.7 4.4 3.5	39.1 23.3 39.1 100.7 3.7			0 30 0 0	0 623 0 0	0 0 700 0 0	111° 230 0 0 0 0 0 0 0 0	6 4346 0 0 0	0 24 0 0	0 499 0 0	0 560 0 0	0 24 0 0 0 102	0 0 499 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0	0 0 0 0 0 47 241	0 0 0 0 0 0 0 0 0 0 0 0 1159 172	0 0 0 0 0 0 20 232	LOSS GAIN 0 0 0 0 0 0 0 0 493 73 1011 150	M A	E		BUILDI BUILDI	LOSS 0 0 4 83 7 145 0 0
WEST SKYLT. DOORS NET EXPOSED WALL NET EXPOSED BSMT WALL ABOVE GR EXPOSED CLG	20.8 20.8 20.8 36.4 24.7 4.4 3.5 1.3	39.1 23.3 39.1 100.7 3.7 0.6			0 30 0 0 0 160	0 623 0 0 0 0	0 700 0 0 0 103	111° 230 0 0 0 0 0 0 0 0 579 252	6 4346 0 0 0 0 0 3 374	0 24 0 0 20 386	0 499 0 0 493 1682	0 560 0 0 73 249	0 24 0 0	0 0 499 0 0 0 444	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 31	0 0 0 0 0 47 241	0 0 0 0 0 0 0 0 0 0 1159 172 1050 156 0 0	0 0 0 0 0 0 20 232	LOSS GAIN 0 0 0 0 0 0 0 0 0 0 0 0 493 73 1011 150 0 0		E	DEC	BUILDIN BUILDIN	LOSS 0 0 4 83 7 145 0 0 0 0
WEST SKYLT. DOORS NET EXPOSED WALL NET EXPOSED BSMT WALL ABOVE GR EXPOSED CLG NO ATTIC EXPOSED CLG	20.8 20.8 20.8 36.4 24.7 4.4 3.5 1.3 2.7	39.1 23.3 39.1 100.7 3.7 0.6 0.5 0.6			0 30 0 0 0 160	0 623 0 0 0 0	0 700 0 0 0 103	111° 230 0 0 0 0 0 0 0 0 579 252 0 0	6 4346 0 0 0 0 0 3 374	0 24 0 0 20 386 0	0 499 0 0 493 1682	0 560 0 0 73 249 0	0 24 0 0 0 102 0	0 0 499 0 0 0 444 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0	0 0 0 0 0 47 241	0 0 0 0 0 0 0 0 0 0 1159 172 1050 156 0 0 0	0 0 0 0 0 0 20 232	DOSS GAIN 0 0 0 0 0 0 0 0 493 73 1011 150 0 0	M A	HED NO	DEC 1	BUILDI BUILDI	LOSS 0 0 4 83 7 145 0 0 0 0 0 0
WEST SKYLT. DOORS NET EXPOSED WALL NET EXPOSED BSMT WALL ABOVE GR EXPOSED CLG NO ATTIC EXPOSED CLG EXPOSED FLOOR	20.8 20.8 20.8 36.4 24.7 4.4 3.5 1.3 2.7	39.1 23.3 39.1 100.7 3.7 0.6 0.5 0.6			0 30 0 0 0 160 0	0 623 0 0 0 0	0 700 0 0 0 103 0	111° 230 0 0 0 0 0 0 0 0 579° 252 0 0	6 4346 0 0 0 0 0 3 374 0	0 24 0 0 20 386 0	0 499 0 0 493 1682 0	0 560 0 0 73 249 0	0 24 0 0 0 102 0	0 0 499 0 0 0 444 0 170	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 31 0	0 0 0 0 0 47 241	0 0 0 0 0 0 0 0 0 1159 172 1050 156 0 0 0 0 0	0 0 0 0 0 20 232 0 0	DOSS GAIN 0 0 0 0 0 0 0 0 493 73 1011 150 0 0 48 21	MUST CO	HED NOTE	DEC 12	BUILDING BUILDING	LOSS 0 0 4 83 7 145 0 0 0 0 0 0 546 1918 0 0
WEST SKYLT. DOORS NET EXPOSED WALL NET EXPOSED BSMT WALL ABOVE GR EXPOSED CLG NO ATTIC EXPOSED CLG EXPOSED FLOOR BASEMENTICRAWL HEAT LOSS	20.8 20.8 20.8 36.4 24.7 4.4 3.5 1.3 2.7	39.1 23.3 39.1 100.7 3.7 0.6 0.5 0.6			0 30 0 0 0 160 0	0 623 0 0 0 0 697 0	0 0 700 0 0 0 103 0	111° 230 0 0 0 0 0 0 0 0 579° 252 0 0 0 0	6 4346 0 0 0 0 0 3 374 0 0	0 24 0 0 20 386 0	0 499 0 0 493 1682 0 0	0 560 0 0 73 249 0 0	0 24 0 0 0 102 0	0 0 499 0 0 0 444 0 170	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 31 0	0 0 0 0 0 47 241	0 0 0 0 0 0 0 0 0 0 1159 172 1050 156 0 0 0	0 0 0 0 0 0 20 232	O O O O O O O O O O O O O O O O O O O	MUST CO	HED NOT	DEC 12	BUILDIN BUILDIN	LOSS 0 0 4 83 7 145 0 0 0 0 0 0 0 0 546 1918 0 0 0 0
WEST SKYLT. DOORS NET EXPOSED WALL NET EXPOSED BSMT WALL ABOVE GR EXPOSED CLG NO ATTIC EXPOSED FLOOR BA SEMENT/CRAWL HEAT LOSS SLAB ON GRADE HEAT LOSS	20.8 20.8 20.8 36.4 24.7 4.4 3.5 1.3 2.7	39.1 23.3 39.1 100.7 3.7 0.6 0.5 0.6			0 30 0 0 0 160 0	0 623 0 0 0 697 0 0	0 0 700 0 0 0 103 0	111° 230 0 0 0 0 0 0 0 0 579° 252 0 0 0 0 0 0	6 4346 0 0 0 0 3 374 0 0	0 24 0 0 20 386 0	0 499 0 0 493 1682 0 0	0 560 0 0 73 249 0 0	0 24 0 0 0 102 0	0 0 499 0 0 0 444 0 170	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 31 0	0 0 0 0 0 47 241	0 0 0 0 0 0 0 0 0 1159 172 1050 156 0 0 0 0 0	0 0 0 0 0 20 232 0 0	DOSS GAIN 0 0 0 0 0 0 0 0 493 73 1011 150 0 0 48 21	WIEWED	HED NOTES A	DEC 12	BUILDING DIVENIEWED BY:	LOSS 0 0 4 83 7 145 0 0 0 0 0 0 546 1918 0 0
WEST SKYLT. DOORS NET EXPOSED WALL MET EXPOSED BIMT WALL ABOVE GR EXPOSED CLG NO ATTIC EXPOSED CLG EXPOSED FLOOR BASEMENTICRAWL HEAT LOSS SLAB ON GRADE HEAT LOSS SUBTOTAL HT LOSS	20.8 20.8 20.8 36.4 24.7 4.4 3.5 1.3 2.7	39.1 23.3 39.1 100.7 3.7 0.6 0.5 0.6			0 30 0 0 0 160 0	0 623 0 0 0 0 697 0	0 0 700 0 0 0 103 0	111° 230 0 0 0 0 0 0 0 0 579 252 0 0 0 0 0 0	6 4346 0 0 0 0 3 374 0 0	0 24 0 0 20 386 0	0 499 0 0 493 1682 0 0	0 560 0 0 73 249 0 0	0 24 0 0 0 102 0 136	0 0 499 0 0 0 444 0 170	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 31 0	0 0 0 0 0 47 241 0	0 0 0 0 0 0 0 0 1159 172 1050 156 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 20 232 0 0	O O O O O O O O O O O O O O O O O O O	MUST COMPLY	HED NOTES AR	DEC 1 2 2019	ITY OF BRANBUILDING DIVI	LOSS 0 0 4 83 7 145 0 0 0 0 0 0 0 0 0 0 0 0 546 1918 0 0 0 0 6487
WEST SKYLT. DOORS NET EXPOSED WALL NET EXPOSED BSMT WALL ABOVE GR EXPOSED CLG NO ATTIC EXPOSED CLG EXPOSED FLOOR BASEMENT/CRAWL HEAT LOSS SLAB ON GRADE HEAT LOSS SUBTOTAL HT LOSS SUB TOTAL HT LOSI	20.8 20.8 20.8 36.4 24.7 4.4 3.5 1.3 2.7	39.1 23.3 39.1 100.7 3.7 0.6 0.5 0.6			0 30 0 0 0 150 0 0	0 623 0 0 0 697 0 0 0	0 0 700 0 0 0 103 0	111° 230 0 0 0 0 0 0 0 0 579° 252 0 0 0 0 0 0	6 4346 0 0 0 0 3 374 0 0	0 24 0 0 20 386 0	0 499 0 0 493 1682 0 0 0	0 560 0 0 73 249 0 0	0 24 0 0 0 102 0 136	0 0 499 0 0 0 0 170 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 31	0 0 0 0 0 47 241 0	0 0 0 0 0 0 0 0 0 1159 172 1050 156 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 20 232 0 0	O O O O O O O O O O O O O O O O O O O	MUST COMPLY WI	HED NOTES A	DEC 1 2 2019	BUILDING DIVENIEWED BY:	LOSS 0 0 4 83 7 145 0 0 0 0 0 0 0 0 546 1918 0 0 0 0 6467
WEST SKYLT. DOORS NET EXPOSED WALL NET EXPOSED BSMT WALL ABOVE GR EXPOSED CLG NO ATTIC EXPOSED CLG EXPOSED FLOOR BASEMENTICRAWL HEAT LOSS SLAB ON GRADE HEAT LOSS SUBTOTAL HT CASIN LEVEL FACTOR / MULTIPLIER	20.8 20.8 20.8 36.4 24.7 4.4 3.5 1.3 2.7	39.1 23.3 39.1 100.7 3.7 0.6 0.5 0.6			0 30 0 0 0 160 0	0 623 0 0 0 697 0 0 0 0 1320	0 0 700 0 0 0 103 0 0 0	111° 230 0 0 0 0 0 0 0 0 579° 252 0 0 0 0 0 0	6 4346 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 24 0 0 20 386 0 0	0 499 0 0 493 1682 0 0 0	0 560 0 0 73 249 0 0 0	0 24 0 0 0 102 0 136	0 0 499 0 0 0 0 170 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 31 0 0 0	0 0 0 0 0 47 241 0 0	0 0 0 0 0 0 0 0 0 1159 172 11050 156 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 20 232 0 0 18	CONTRACTOR OF CO	MUST COMPLY	HED NOTES ARE P	DEC 1 2 2019 S	ITY OF BRAMP BUILDING DIVISI	LOSS 0 0 4 83 7 145 0 0 0 0 0 0 0 0 546 1918 0 0 0 0 6467
WEST SKYLT. DOORS NET EXPOSED WALL NET EXPOSED WALL NET EXPOSED CLG EXPOSED CLG NO ATTIC EXPOSED FLOOR BASEMENT/CRAWL HEAT LOSS SLAB ON GRADE HEAT LOSS SUBTOTAL HT LOSS SUB TOTAL HT GAIN LEVEL FACTOR / MUL TIPLIER AIR CHANGE HEAT LOSS	20.8 20.8 20.8 36.4 24.7 4.4 3.5 1.3 2.7	39.1 23.3 39.1 100.7 3.7 0.6 0.5 0.6			0 30 0 0 0 150 0 0	0 623 0 0 0 697 0 0 0	0 0 700 0 0 0 103 0 0 0	1111 233 0 0 0 0 0 0 0 0 0 579 252 0 0 0 0 0 0 0 482	6 4346 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 24 0 0 20 386 0 0	0 499 0 0 493 1682 0 0 0 0 0 0	0 560 0 0 73 249 0 0 0	0 24 0 0 0 102 0 136	0 0 499 0 0 0 170 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 31 0 0 0	0 0 0 0 0 47 241 0 0 0	0 0 0 0 0 0 0 0 0 1159 172 1050 156 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 20 232 0 0 18	LOSS GAIN 0 0 0 0 0 0 0 0 0 0 0 0 1011 150 0 0 0 48 21 0 0 0 1552 244 0.41	WIEWED DRAWINGS MUST COMPLY WITH O	HED NOTES ARE PA	DEC 1 2 2019 5	ITY OF BRAMPT BUILDING DIVISION BY: S. DE	LOSS 0 0 4 83 7 145 0 0 0 0 0 0 0 0 546 1918 0 0 0 0 6467
WEST SKYLT. DOORS NET EXPOSED WALL NET EXPOSED BMT WALL ABOVE GR EXPOSED CLG NO ATTIC EXPOSED CLG EXPOSED FLOOR SA SEMENT/CRAWL HEAT LOSS SUBTOTAL HT LOSS SUBTOTAL HT GAIN LEVEL FACTOR / MULTIPLIER AIR CHANGE HEAT LOSS AIR CHANGE HEAT GAIN	20.8 20.8 20.8 36.4 24.7 4.4 3.5 1.3 2.7	39.1 23.3 39.1 100.7 3.7 0.6 0.5 0.6			0 30 0 0 0 150 0 0	0 623 0 0 0 697 0 0 0 0 1320	0 0 700 0 0 0 103 0 0 0	111 233 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	6 4346 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 24 0 0 20 386 0 0	0 499 0 0 493 1682 0 0 0 0 0 0 2673	0 560 0 0 73 249 0 0 0	0 24 0 0 0 102 0 136	0 0 499 5 0 0 0 0 0 170 0 0 0 1113 7 0.28	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 31 0 0 0	0 0 0 0 0 47 241 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 1159 172 1050 156 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 20 232 0 0 18	LOSS GAIN 0 0 0 0 0 0 0 0 0 0 0 0 48 21 0 0 0 0 1552 244 0.41 631	WIEWED DRAWINGS MUST COMPLY WITH O	HED NOTES ARE P	DEC 1 2 2019 5	ITY OF BRAMPT BUILDING DIVISION BY: S. DE	LOSS 0 0 4 83 7 145 0 0 0 0 0 0 0 0 546 1918 0 0 0 0 6467
WEST SKYLT. DOORS NET EXPOSED WALL NET EXPOSED BAMT WALL ABOVE GR EXPOSED CLG EXPOSED FLOOR BASEMENT/CRAWL HEAT LOSS SLAB ON GRADE HEAT LOSS SUB TOTAL HT LOSS SUB TOTAL HT GAIN LEVEL FACTOR / MULTIPLIER AIR CHANGE HEAT GAIN DUCT LOSS	20.8 20.8 20.8 36.4 24.7 4.4 3.5 1.3 2.7	39.1 23.3 39.1 100.7 3.7 0.6 0.5 0.6			0 30 0 0 0 150 0 0	0 623 0 0 0 697 0 0 0 0 1320	0 0 700 0 0 103 0 0 0 0	111 233 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	6 4346 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 24 0 0 20 386 0 0	0 499 0 0 493 1682 0 0 0 0 0 0 2673	0 560 0 0 73 249 0 0 0	0 24 0 0 0 102 0 136	0 0 499 5 0 0 0 0 0 170 0 0 0 1113 7 0.28	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 31 0 0 0	0 0 0 0 0 47 241 0 0 0	0 0 0 0 0 0 0 0 0 1159 172 1050 156 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 20 232 0 0 18	LOSS GAIN 0 0 0 0 0 0 0 0 0 0 0 0 1011 150 0 0 0 48 21 0 0 0 1552 244 0.41	MUST COMPLY WITH	HED NOTES ARE PA	DEC 1 2 2019 5	ITY OF BRAMPT BUILDING DIVISION BY: S. DE	LOSS 0 0 4 83 7 145 0 0 0 0 0 0 0 0 546 1918 0 0 0 0 6457 8614 0.50 1.01
WEST SKYLT. DOORS NET EXPOSED WALL NET EXPOSED BAMT WALL ABOVE GR EXPOSED CLG ON ATTIC EXPOSED FLOOR BASEMENTICRAWL HEAT LOSS SLAB ON GRADE HEAT LOSS SUB TOTAL HT GAIN LEVEL FACTOR / MULTIPLIER AIR CHANGE HEAT LOSS AIR CHANGE HEAT GAIN DUCT LOSS DUCT GAIN	20.8 20.8 36.4 24.7 4.4 3.5 1.3 2.7 2.5	39.1 23.3 39.1 100.7 3.7 0.6 0.5 0.6			0 30 0 0 160 0 0	0 623 0 0 0 697 0 0 0 0 1320	0 0 700 0 0 103 0 0 0	111 233 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	6 4346 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 24 0 0 20 386 0 0	0 499 0 0 493 1682 0 0 0 0 0 2673	0 560 0 0 73 249 0 0 0	0 24 0 0 0 102 0 136	0 0 499 5 0 0 0 0 0 170 5 0 0 0 0 0 1113 7 0.28 306	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 31 0 0 0	0 0 0 0 0 47 241 0 0 0	0 0 0 0 0 0 0 0 0 11159 1722 10550 156 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 20 232 0 0 18	COSS GAIN O	WIEWED DRAWINGS MUST COMPLY WITH O	HED NOTES ARE PA	DEC 1 2 2019 5	ITY OF BRAMPT BUILDING DIVISION BY: S. DE	LOSS 0 0 4 83 7 145 0 0 0 0 0 0 0 0 546 1918 0 0 0 0 6467
WEST SKYLT. DOORS NET EXPOSED WALL NET EXPOSED WALL NET EXPOSED ESMIT WALL ABOVE GR EXPOSED CLG NO ATTIC EXPOSED FLOOR SA SEMENTICRAWL HEAT LOSS SLAB ON GRADE HEAT LOSS SUBTOTAL HT LOSS SUB TOTAL HT GAIN LEVEL FACTOR / MUL TIPLIER AIR CHANGE HEAT LOSS AIR CHANGE HEAT GAIN DUCT GAIN HEAT GAIN PEOPLE	20.8 20.8 20.8 36.4 24.7 4.4 3.5 1.3 2.7 2.5	39.1 23.3 39.1 100.7 3.7 0.6 0.5 0.6			0 30 0 0 0 150 0 0	0 623 0 0 0 697 0 0 0 0 1320	0 0 700 0 0 0 103 0 0 0 0	111 233 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	6 4346 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 24 0 0 20 386 0 0	0 499 0 0 493 1682 0 0 0 0 0 2673	0 560 0 0 73 249 0 0 0	0 24 0 0 0 102 0 136	0 0 499 6 0 0 0 0 0 1170 0 0 0 1113 7 0.28 306 4	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 31 0 0 0	0 0 0 0 0 47 241 0 0 0	0 0 0 0 0 0 0 11159 172 1750 156 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 20 232 0 0 18	COSS GAIN O	WIEWED DRAWINGS MUST COMPLY WITH O	HED NOTES ARE PA	DEC 1 2 2019 5	ITY OF BRAMPT BUILDING DIVISION BY: S. DE	LOSS 0 0 4 83 7 145 0 0 0 0 0 0 0 0 0 0 546 1918 0 0 0 0 6467 8614 0.50 1.01 8665
WEST SKYLT. DOORS NET EXPOSED WALL NET EXPOSED WALL NET EXPOSED BAMT WALL ABOVE GR EXPOSED CLG EXPOSED FLOOR BA SEMENTICRAWL HEA T LOSS SUB TOTAL HT LOSS SUB TOTAL HT GAIN LEVEL FACTOR I MUL TIPLIER AIR CHANGE HEAT GAIN DUCT LOSS DUCT GAIN HEAT GAIN PEOPLE HEAT GAN APPLIANCE SLIGHTS	20.8 20.8 36.4 24.7 4.4 3.5 1.3 2.7 2.5	39.1 23.3 39.1 100.7 3.7 0.6 0.5 0.6			0 30 0 0 160 0 0	0 623 0 0 0 697 0 0 0 0 1320	0 0 700 0 0 103 0 0 0	1111 230 0 0 0 0 0 0 0 0 0 579 252 0 0 0 0 0 0 482 0.30 0.4 196	6 4346 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 24 0 0 20 386 0 0 0	0 499 0 0 493 1682 0 0 0 0 0 0 2673 0.41 1086	0 560 0 0 73 249 0 0 0 0	0 24 0 0 0 102 0 136 0	0 0 499 6 0 0 0 0 0 170 0 0 0 0 0 1113 7 0.28 306 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 31 0 0 0	0 0 0 0 47 241 0 0 0	0 0 0 0 0 0 0 0 0 0 11159 1722 1050 156 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 20 232 0 0 18 0	LOSS GAIN 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 4893 73 10011 150 0 0 0 48 21 0 0 0 15552 244 0.41 631 17 0 0	WIEWED DRAWINGS MUST COMPLY WITH O	HED NOTES ARE PA	DEC 1 2 2019 5	ITY OF BRAMPT BUILDING DIVISION BY: S. DE	LOSS 0 0 4 83 7 145 0 0 0 0 0 0 0 0 546 1918 0 0 0 0 6457 8614 0.50 1.01
WEST SKYLT. DOORS NET EXPOSED WALL NET EXPOSED WALL NET EXPOSED CLG EXPOSED CLG ON ATTIC EXPOSED FLOOR A SEMENTICRAWL HEAT LOSS SUBTOTAL HT LOSS SUBTOTAL HT GAIN LEVEL FACTOR / MUL TIPLIER AIR CHANGE HEAT LOSS AIR CHANGE HEAT GAIN DUCT LOSS DUCT GAIN HEAT GAIN PEOPLE	20.8 20.8 36.4 24.7 4.4 3.5 1.3 2.7 2.5	39.1 23.3 39.1 100.7 3.7 0.6 0.5 0.6			0 30 0 0 160 0 0	0 623 0 0 0 697 0 0 0 0 0 1320	0 0 700 0 0 0 103 0 0 0 0	111 23(0 0 0 0 0 0 0 0 0 579 252 0 0 0 0 0 0 0 0 482 0.30 0.4	6 4346 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 24 0 0 20 386 0 0 0	0 499 0 0 493 1682 0 0 0 0 0 2673 0.41 1086	0 560 0 0 73 249 0 0 0 0	0 24 0 0 0 102 0 136 0	0 0 499 6 0 0 0 0 0 170 0 0 0 0 0 1113 7 0.28 306 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 31 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 11159 1722 1050 156 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 20 232 0 0 18 0	LOSS GAIN 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 4893 73 10011 150 0 0 0 48 21 0 0 0 15552 244 0.41 631 17 0 0	WIEWED DRAWINGS MUST COMPLY WITH O	HED NOTES ARE PA	DEC 1 2 2019 5	ITY OF BRAMPT BUILDING DIVISION BY: S. DE	LOSS 0 0 4 83 7 145 0 0 0 0 0 0 0 0 0 0 546 1918 0 0 0 0 6467 8614 0.50 1.01 8665

TOTAL HEAT GAIN BTU/H:

31206

TONS: 2.60

LOSS DUE TO VENTILATION LOAD BTU/H: 1593

STRUCTURAL HEAT LOSS: 51776

TOTAL COMBINED HEAT LOSS BTU/H: 53369

Maharl Kounke - INDIVIDUAL BCIN: 1969 MICHAEL O'ROURKE



SITE NAME: ENCORE 2 THE SCHUMANN BUILDER: GOLD PARK HOMES TYPE: 38-11 DATE: Oct-19 GFA: 2995 10# 84184 furnace pressure 0.6 HEATING CEM 095 COOLING CEM fumace filter 0.05 LENNOX AFUE = 98 %. TOTAL HEAT LOSS 51 776 TOTAL HEAT GAIN 30.970 a/c coil pressure 0.2 EL196UH070XE36B 70 INPUT (BTU/H) = 66,000 AIR FLOW RATE CFM 19 02 AIR FLOW RATE CFM 31.8 available pressure FAN SPEED OUTPUT (BTU/H) = 63,900 for s/a & r/a 0.35 LOW 0 RUN COUNT 4th 3rd 2nd 1st Bas MEDI OW 0 DESIGN CFM = 985 14 1 plenum pressure s/a 0.18 r/a pressure 0.17 MEDIUM 985 CFM @ .6 " E.S.P. R/A max s/a dif press loss 0.02 r/a grille press. Loss 0.02 MEDIUM HIGH 1110 All S/A diffusers 4"x10" unless noted otherwise on layout min adjusted pressure s/a 0.16 adjusted pressure r/a 0.15 HIGH 1275 TEMPERATURE RISE 60 °F All S/A runs 5"Ø unless noted otherwise on layout DIIN # 10 11 12 13 14 15 16 17 18 19 20 21 22 ROOM NAME MBR FNS WIC BED-2 BED-3 T-BATH KT/FM 23 . 24 BED-4 ENS-2 WIC-2 BED-3 MBR DIN KT/FM KT/FM LIV LAUN W/R FOY MUD BAS BAS BAS BAS RM LOSS MBH 1.46 1.89 0.58 1.47 1 65 1.28 0.57 0.65 1.65 1.46 0.48 2.26 1.86 2.26 2.26 3.76 1 42 0.29 3.11 2.18 4.32 4.32 4.32 4.32 CFM PER RUN HEAT 28 36 11 28 31 24 11 12 31 28 43 35 43 43 72 27 59 42 82 RM GAIN MBH 82 82 82 1.88 1.30 0.14 1.89 2.08 1.68 0.29 0.52 2.08 1.88 2.48 0.11 2.01 2.48 2 48 2.12 1.87 0.04 0.45 0.34 0.21 0.21 0.21 CFM PER RUN COOLING 41 60 0.21 66 53 9 16 66 60 79 64 79 79 59 67 14 11 ADJUSTED PRESSURE 0.17 0.16 0.16 ACTUAL DUCT LGH 43 0.16 0.16 43 40 84 58 37 68 46 59 36 48 16 36 25 39 58 49 61 62 21 51 32 **EQUIVALENT LENGTH** 200 130 160 180 36 14 120 170 220 91 130 190 150 150 120 120 120 140 170 150 130 an 150 130 110 100 TOTAL EFFECTIVE LENGTH 243 173 200 264 178 207 288 137 189 226 198 166 156 145 159 198 219 211 192 111 201 162 146 ADJUSTED PRESSURE 0.07 114 0.1 0.09 0.07 0.1 0.08 0.06 0.13 0.09 0.08 0.09 0.1 0.11 0.12 0.11 0.09 0.08 0.08 0.09 0.15 0.08 0.1 0.11 ROUND DUCT SIZE 5 0.14 5 6 1 5 5 4 6 R R 5 5 HEATING VELOCITY (ft/min) 6 206 413 126 206 228 122 126 138 228 206 103 219 178 219 219 529 198 69 433 482 418 418 418 COOLING VELOCITY (ft/min 441 470 46 441 418 485 270 103 184 485 441 46 403 326 403 403 492 433 11 103 126 36 36 36 36 **OUTLET GRILL SIZE** 3X10 3X10 3X10 3X10 3X10 4X10 3X10 3X10 3X10 3X10 3X10 4X10 4X10 4X10 4X10 3X10 3X10 3X10 3X10 3X10 4X10 4X10 4X10 4X10 TRIINK C D D D C R E RIIN # 25 26 ROOM NAME BED-2 T-BATH OING BAS RM LOSS MBH. 0.48 1.47 CFM PER RUN HEAT 28 RM GAIN MBH. 0.11 1.89 CEM PER RUN COOLING 60 ADJUSTED PRESSURE 0.17 0.17 ACTUAL DUCT LGH. 43 RO FOUNALENT LENGTH 180 180 TOTAL EFFECTIVE LENGTH 223 260 ADJUSTED PRESSURE 0.08 0.07 ROUND DUCT SIZE 5 HEATING VELOCITY (ft/min) 103 206 COOLING VELOCITY /ft/min 46 441 3X10 **OUTLET GRILL SIZE** 3X10 TRUNK SUPPLY AIR TRUNK SIZE RETURN AIR TRUNK SIZE OSTATIC TRUNK STATIC BOUND RECT VELOCITY TRIBLE ROUND RECT VELOCIT TOUNK STATIC ROUND RECT VELOCITY CFM PRESS. DUCT DUCT CEM DUCT DUCT (ft/min CFM PRESS DUCT DUCT TRUNK A 286 0.06 (fl/min) 9.4 10 8 515 TRUNK G 0 0 0 n TRUNK O 0.05 0 TRUNK B 441 0 0 0.06 11.1 14 х 567 TRUNK H 0 0.00 0 8 0 X TRUNK P 0 0.05 8 0 TRUNK C 161 0.10 6.7 8 8 X 362 TRUNK I 0 0.00 0 0 TRUNKO 8 0 0 0.05 0 0 TRUNK D 817 0.06 14 22 x 8 668 TRUNK I 0 0.00 0 X 8 0 TRUNKR 0.05 0 0 TRUNK E 985 0.06 15 26 0 X 8 682 TRUNK K 0 0.00 0 0 TRUNK S 0 0 0.05 0 TRUNK F 0.00 Х 8 0 0 TRUNK L 0.00 TRUNK T 0.05 0 X 0 TRUNK U 0.05 A 0 TRUNK V 0 0.05 0 RETURN AIR # X 0 5 6 BR TRUNK W 0.05 0 0 0 0 0 0 0 0 0 0 0 0 n 0 0 TRUNK Y 985 0.05 15.7 28 633 AIR VOLUME 85 95 85 75 X 8 75 410 0 0 0 0 0 0 0 0 0 160 TRUNK Y 415 0.05 11.3 14 534 8 PLENUM PRESSURE 0.15 0.15 0.15 0.15 Х 0.15 0.15 0.15 0.15 0.15 0.15 0.15 0.15 0.15 0.15 0.15 0.15 TRUNK 7 235 0.05 9.2 10 423 X 8 ACTUAL DUCT LGH. 40 51 62 67 70 28 14 DROP 985 0.05 15.7 24 591 EQUIVALENT LENGTH 215 175 185 225 230 135 0 0 0 0 0 0 0 0 145 TOTAL EFFECTIVE LH 255 226 247 292 300 163 159 ADJUSTED PRESSURE 0.06 0.07 0.06 0.05 0.05 0.09 14.80 14.80 14.80 14.80 14.80 14.80 14 80 14.80 14.80 0.09 ROUND DUCT SIZE 6 6 6 6 9.7 0 0 0 6.9 n INLET GRILL SIZE R R 8 8 8 8 0 0 0 0 0 0 0 0 8 X X X X X X X X Х X X X X X X X INLET GRILL SIZE 30



TYPE: · SITE NAME: 38-11 ENCORE 2

LO#

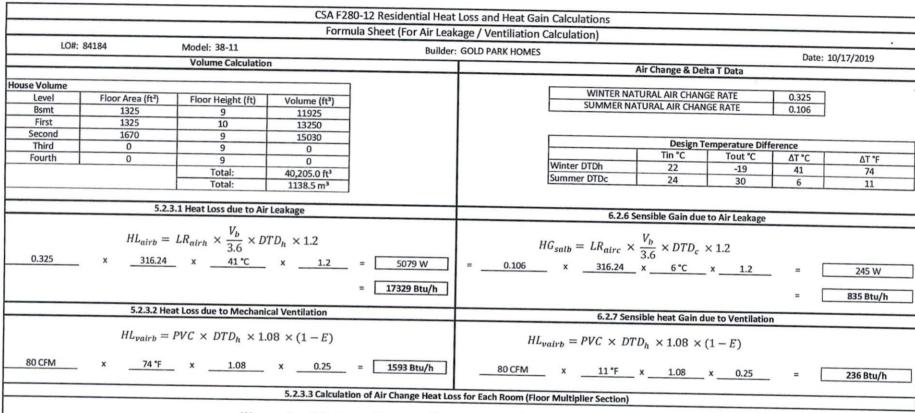
84184 THE SCHUMANN

RESIDENTIAL MECHANICAL VENTILATION DESIGN SUMMARY

COMBUSTION APPLIANCES	9.32.3.1(1)	SUPPLEMENTAL VENTILA	TION CAPACITY		0.00.0.0
a) Direct vent (sealed combustion) only		Total Ventilation Capacity		169.6	9.32.3.5 cfm
b) Positive venting induced draft (except fireplaces)		Less Principal Ventii. Capacit	y	79.5	_ cfm
c) Natural draft, B-vent or induced draft gas fireplace		Required Supplemental Capa		90.1	_ cfm
d) Solid Fuel (including fireplaces)				30.1	_ cim
e) No Combustion Appliances		PRINCIPAL EXHAUST FAN	CAPACITY		
		Model: V	ANEE 65H	Location:	BSMT
HEATING SYSTEM		79.5 cfm	3.0 sones	6	✓ HVI Approved
Forced Air Non Forced Air		PRINCIPAL EXHAUST HEAT	LOSS CALCULATION		
Electric Space Heat		79.5 CFM X	ΔΤ °F 74 F X	FACTOR 1.08	% LOSS X 0.25
Lectric Space neat		SUPPLEMENTAL FANS		PANASONIC	
HOUSE TOP		Location	Model	cfm	
HOUSE TYPE	9.32.1(2)	ENS	FV-05-11VK1	50	HVI Sones
Type a) or h) appliance only, no colid tool		ENS-2	FV-05-11VK1	50	✓ 0.3
Type a) or b) appliance only, no solid fuel		T-BATH	FV-05-11VK1	50	√ 0.3
	1	W/R	FV-05-11VK1	50	V 0.3
II Type I except with solid fuel (including fireplaces)				- 50	0.3
III Any Type c) appliance		HEAT RECOVERY VENTILAT Model:	VANEE 65H		9.32.3.11.
IV Type I, or II with electric space heat		155	cfm high	64	cfm low
Other: Type I, II or IV no forced air			Sensible Efficiency		✓ HVI Approved
			32 deg F (0 deg C)		
SYSTEM DESIGN OPTIONS	O.N.H.W.P.	LOCATION OF INSTALLATIO	N		
1 Exhaust only/Forced Air System		Lot:		oncession	
2 HRV with Ducting/Forced Air System		Township	Р	lan:	
		Address			
Section 2010 and System		Roll#	В	uilding Permit	#
4 HRV with Ducting/non forced air system		BUILDER: GO	LD PARK HOMES		
Part 6 Design		Name:			
TOTAL VENTILATION CAPACITY	9.32.3.3(1)	Address:	CITY OF	BRAN	IPTON
Basement + Master Bedroom 2 @ 21.2 cfm 42.4			BUILDIN	G DIV	DESAL
Other Radmann	cfm	City:	DEC	4 9 904	0 54
5 (0.0 cm) 51.0	cfm	Telephone #:	UELFa	x#:4	9 /0
Kitchen & Bathrooms 5 @ 10.6 cfm 53	cfm	INSTALLING CONTRACTOR	ATTACHED N	OTES A	RE PART
Other Rooms4 _ @ 10.6 cfm42.4	cfm	Name:	OF REVIEW	ED DRA	WINGS
Table 9.32.3.A. TOTAL <u>169.6</u>	cfm	Address:	ALL WORK MUS	COMPLY	WITH OBC
		City:			
PRINCIPAL VENTILATION CAPACITY REQUIRED	3.32.3.4.(1)				
1 Bedroom 31.8	cfm	Telephone #:	Fa	x #:	
2 Bedroom 47.7	cfm	DESIGNER CERTIFICATION I hereby certify that this ventilation	n system has been de store	and	
3 Bedroom 63.6	cfm	In accordance with the Ontario Bu	ullding Code.	iou	
4 Bedroom 79.5	cfm	Signature:	C Designs Ltd.	201	
5 Bedroom 95.4	cfm	HRAI#	Muchant		
			00	1820	
I REVIEW AND TAKE RESPONIBILITY FOR THE DESIGN WORK AND AM QUALIF	IED IN THE APPRO	Date: PRIATE CATEGORY AS AN "OTHER DESIGN	Octo	ber-19 OF THE BUILDING	G CODE.
INDIVIDUAL BCIN: 19669 , O, MICHAEL O'ROLL	DVE				The second secon

9669 Model Office.





 $HL_{airr} = Level\ Factor \times HL_{airbv} \times \{(HL_{agcr} + HL_{bgcr}) \div (HL_{agclevel} + HL_{baclevel})\}$

Contract of the last	
ATTACHED NOTES A OF REVIEWED DRA ALL WORK MUST COMPL	CITY OF BRA BUILDING DIN REVIEWED BY:
RE PART AWINGS WITH OBC	MPTON VISION B. DESAI

Level	Level Factor (LF)	HLairve Air Leakage + Ventilation Heat Loss (Btu/h)		Air Leakage Heat Loss Multiplier (LF x HLairbv / HLlevel)
1	0.5		8,614	1.006
2	0.3		12,793	0.406
3	0.2	17,329	12,594	
4	0	,	12,394	0.275
- 0		0	0.000	
5	1 0		0	0.000

^{*}HLairbv = Air leakage heat loss + ventilation heat loss

^{*}For a balanced or supply only ventilation system HLairve = 0



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

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

HEAT LOSS AND GAIN SUMMARY SHEET

MODEL: 38-11 THE SCHUMANN **BUILDER:** GOLD PARK HOMES SFQT: 2995 LO# 84184 SITE: ENCORE 2 **DESIGN ASSUMPTIONS** HEATING °F COOLING °F OUTDOOR DESIGN TEMP. -2 OUTDOOR DESIGN TEMP. 86 INDOOR DESIGN TEMP. 72 INDOOR DESIGN TEMP. (MAX 75°F) 75 **BUILDING DATA** ATTACHMENT: **DETACHED** # OF STORIES (+BASEMENT): 3 FRONT FACES: WEST ASSUMED (Y/N): Υ AIR CHANGES PER HOUR: 3.57 ASSUMED (Y/N): AIR TIGHTNESS CATEGORY: **AVERAGE** ASSUMED (Y/N): WIND EXPOSURE: SHELTERED ASSUMED (Y/N): HOUSE VOLUME (ft3): 40205.0 ASSUMED (Y/N): INTERNAL SHADING: BLINDS/CURTAINS ASSUMED OCCUPANTS: 5 INTERIOR LIGHTING LOAD (Btu/h/ft2): 1.27 DC BRUSHLESS MOTOR (Y/N): FOUNDATION CONFIGURATION BCIN_1 **DEPTH BELOW GRADE:** 6.0 ft LENGTH: 59.0 ft WIDTH: 32.0 ft EXPOSED PERIMETER: 182.0 ft CITY OF BRAMPTON BUILDING DIVISION REVIEWED BY: S. DESAI

2012 OBC - COMPLIANCE PACKAGE	HEVIEWED DI. O. DEOM		
Component	DEC 1 2 2019 50	Compliance	e Package
Calling with Anti- Company	ATTACHED NOTES ARE PART OF REVIEWED DRAWINGS	Nominal	Min. Eff.
Ceiling with Attic Space Minimum RSI (R)-Value	ALL WORK MUST COMPLY WITH OBO	60	59.22
Ceiling Without Attic Space Minimum RSI (R)-Value	ALL WORK MOST COM L	31	27.65
Exposed Floor Minimum RSI (R)-Value		31	29.80
Walls Above Grade Minimum RSI (R)-Value		22	17.03
Basement Walls Minimum RSI (R)-Value		20 ci	21.12
Below Grade Slab Entire surface > 600 mm below grade Minimun	n RSI (R)-Value		
Edge of Below Grade Slab ≤ 600 mm Below Grade Minimum RSI (R)-Value	10	10
Heated Slab or Slab ≤ 600 mm below grade Minimum RSI (R)-Valu	ie	10	11.13
Windows and Sliding Glass Doors Maximum U-Value	9()	0.28	-
Skylights Maximum U-Value		0.49	_
Space Heating Equipment Minimum AFUE		0.96	_
HRV Minimum Efficiency		75%	_
Domestic Hot Water Heater Minimum EF		0.0	

INDIVIDUAL BCIN: 19669 MICHAEL O'ROURKE

Mhehad Ofmule.



Residential Foundation Thermal Load Calculator

Supplemental tool for CAN/CSA-F280

W	eather St	ation Description						
Province:	Ontario							
Region:	Brampton							
	Site [Description						
Soil Conductivity:	ivity: Normal conductivity: dry sand, loam, clay							
Water Table:		Normal (7-10 m, 23-33 ft)						
	Foundation	on Dimensions						
Floor Length (m):	18.0							
Floor Width (m):	9.8							
Exposed Perimeter (m):	0.0							
Wall Height (m):	2.7							
Depth Below Grade (m):	1.83	Insulation Configuration						
Window Area (m²):	1.0	The second of the second of the second secon						
Door Area (m²):	0.0							
	Radi	ant Slab						
Heated Fraction of the Slab:	0							
Fluid Temperature (°C):	33							
	Desig	n Months						
leating Month	1							
	Founda	tion Loads						
Heating Load (Watts):		1895						

TYPE: 38-11 LO# 84184

THE SCHUMANN





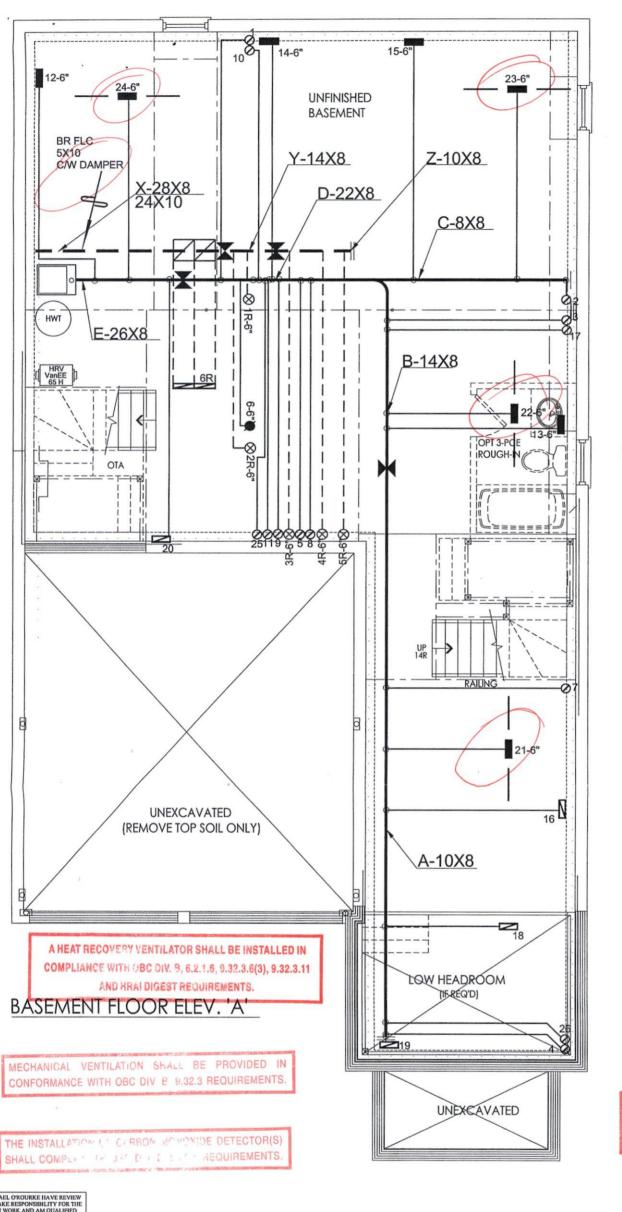
Air Infiltration Residential Load Calculator

Supplemental tool for CAN/CSA-F280

Weather Stat	ion De	escrip	tion			
Province:		ario				
Region:	Bra	mpton				
Weather Station Location:	Open flat terrain, grass					
Anemometer height (m):	10			, 6		
Local S	-	ng				
Building Site:		The second second	forest			
Walls:	Hea		101030			
Flue:	Hear					
Highest Ceiling Height (m):	6.71	•				
Building Co	nfigu	ratio	1			
Type:		ched				
Number of Stories:	Two					
Foundation:	Full					
House Volume (m³):	1138.5					
Air Leakage	/Venti	latio	n			
Air Tightness Type:	Prese	ent (19	61-) (3	.57 AC	H)	
Custom BDT Data:	Present (1961-) (3.57 ACH) ELA @ 10 Pa. 1517 6 c				1517.6 cm ²	
	3.57		. .	ACH @ 50 Pa		
Mechanical Ventilation (L/s):	To	otal Sup	Total Exhaust			
					37.5	
Flue	Size				37.0	
lue #:	#1	#2	#3	#4		
Diameter (mm):	0	0	0	0		
Natural Infilt	ration	Rate	s			
Heating Air Leakage Rate (ACH/H):		0	.32	5		
Cooling Air Leakage Rate (ACH/H):		0	.10			

TYPE: 38-11 LO# 84184

THE SCHUMANN



ENSURE THAT MIN THERMAL PERFORMANCE OF BLDG ENVELOPE AND EQUIPMENT FURNACE SHALL ECONFORM TO OBC SB-12.3.1.1.2 TABLES REQUIREMENTS.

SEAL ALL DUCTWORK WITHIN UNCONDITIONED SPACE OF OUTDOORS PER OBC DIVERIES OF CURRENT MOTOR OBC DIVERIES OF COMPLENCE IN COMPLIANCE WITH OBC DIV B6.2.4.3(1) REQUIREMENTS. SEAL ALL SUPPLY DUCTS LOCATED IN CONDITIONED SEPARATE ANY INTAKES FROM BUILDING ENVELOPE PENETRATIONS PER OBC DIVINGTALL SOURCES OF CONTAMINANTS (GAS VENTS, OIL FILL PIPES, etc. BY MIN BY APPLICATION FOR REVISION DE DESIGN PER PROPERTIENTS.

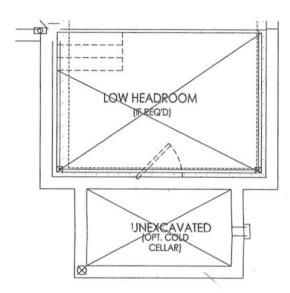
BY APPLICATION OF KITCHEN EXPANUST DUCT LARGER THAN 6'dia SHALL BE PRECEDED SYSTEM SHALL COMPLY WITH OBC DIV B 93.21.3 & 93.23 REQ. BY MIN THE RETURN AIR-LOW ON THE UPPER FLOOR TO MATCH THE SUPPLY.

THE RETURN AIR-LOW ON THE UPPER FLOOR TO MATCH THE SUPPLY.

OR DIVINGS USED AS PRINCIPLE EXHAUST EAR. HE CONTROLLER SHALL BE WIRED BLOWER MUST BE IN OPERATION WHEN THE HRY IS IN OPERATION.

UNDERCUT BY MIN 1" THE DOOR TO ANY HE UPPER TO ENSURE MIN 72469F

ENSURE RETURN AIR INTAKE SHALL BE CONNECTED TO THE MAIN BA DUCT AT A HORIZONTAL DISTANCE OF MIN 6FT FROM THE CASING OF THE UNIT (HRAID DIGEST).



PARTIAL BASEMENT FLOOR ELEV. 'B'

CITY OF BRAMPTON BUILDING DIVISION REVIEWED BY: S. DESAI

DEC 1 2 2019 5

ATTACHED NOTES ARE PART OF REVIEWED DRAWINGS ALL WORK MUST COMPLY WITH OBC

INSTALLATION OF HUAC EQUIPMENTS
SHALL CONFORM TO MANUFACTURER'S SPECIFICATIONS
AND MANUALS

MICHAEL OROURKE HAVE REVIEW
MND TAKE RESPONSIBILITY FOR THI
DESIGN WORK AND AM QUALIFIED
MIDDER DIVISION C, 3.2.5 OF THE
BUILDING CODE.

MICHAEL O'ROURKE, BCJNR 19669
WAC DESIGNS LTD.

CSA-F280-12 PACKAGE A1

HVAC LEGEND						3.				
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	2.		
	SUPPLY AIR GRILLE		6" SUPPLY AIR BOOT ABOVE		14"x8" RETURN AIR GRILLE		RETURN AIR STACK ABOVE	1.		
m	SUPPLY AIR GRILLE 6" BOOT	0	SUPPLY AIR STACK FROM 2nd FLOOR		30"x8" RETURN AIR GRILLE		RETURN AIR STACK 2nd FLOOR	No.	Description	Date
	SUPPLY AIR BOOT ABOVE	ø	6" SUPPLY AIR STACK 2nd FLOOR		FRA- FLOOR RETURN AIR GRILLE	X	REDUCER		REVISIONS	

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GOLD PARK HOMES

Project Name
ENCORE 2
BRAMPTON, ONTARIO

THE SCHUMANN 38-11

2995 sqft

HVA DESIGNS LTD.

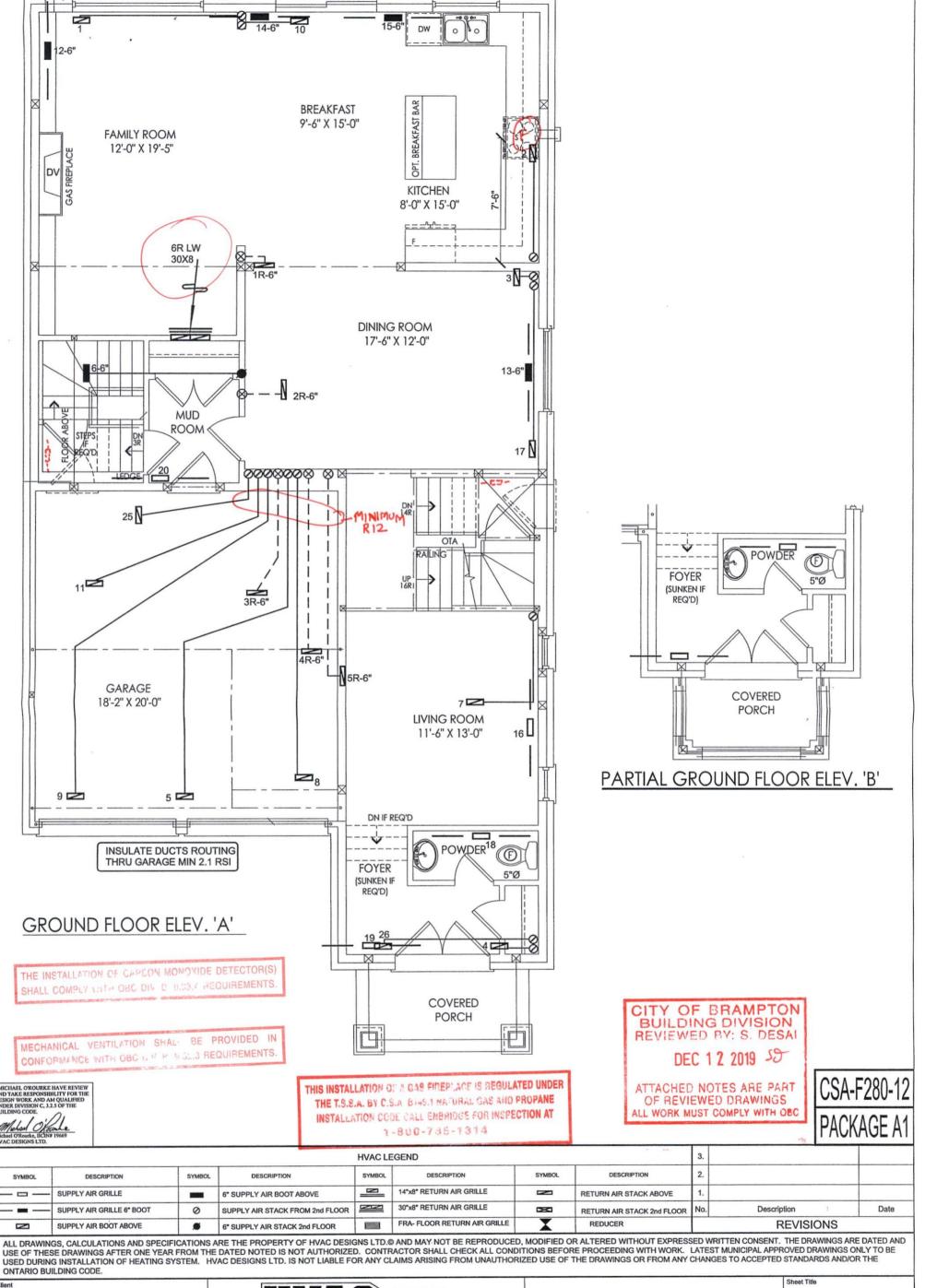
375 Finley Ave. Suite 202 - Ajax, Ontario L1S 2E2 Tel. 905.619.2300 - 905.420.5300 Fax 905.619.2375 Email: info@hvacdesigns.ca Web: www.hvacdesigns.ca

Specializing in Residential Mechanical Design Services

Installation to comply with the latest Ontario Building Code. All supply branch outlets shall be equipped with a manual balancing damper.

Ductwork which passes through the garage or unheated spaces shall be adequately insulated and be gas-proofed.

	OSS 53369	BTU/H	# OF RUNS	S/A	R/A	FANS	Sheet Title		
UNIT DATA		3RD FLOOR				BASEMENT HEATING			
LENNOX			2ND FLOOR	14	5				3
MODEL EL196	SUH070XE36	1ST FLOOR	8	1	2	LAYOUT			
INPUT	66 /	мвти/н	BASEMENT	4	1	0	Date (OCT/2019	
OUTPUT	63.9	мвти/н	ALL S/A DIFFUSERS 4 "x10" UNLESS NOTED OTHERWISE ON LAYOUT. ALL S/A RUNS 5"Ø UNLESS NOTED OTHERWISE ON LAYOUT. UNDERCUT DOORS 1" min. FOR R/A				Scale 3	3/16" = 1'-0"	
COOLING	2.5	TONS					BCIN# 19669		
FAN SPEED	985	cfm @ 0.6" w.c.					LO#	84184	



GOLD PARK HOMES

ENCORE 2 BRAMPTON, ONTARIO

THE SCHUMANN 38-11

2995 sqft

DESIGNS LTD.

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

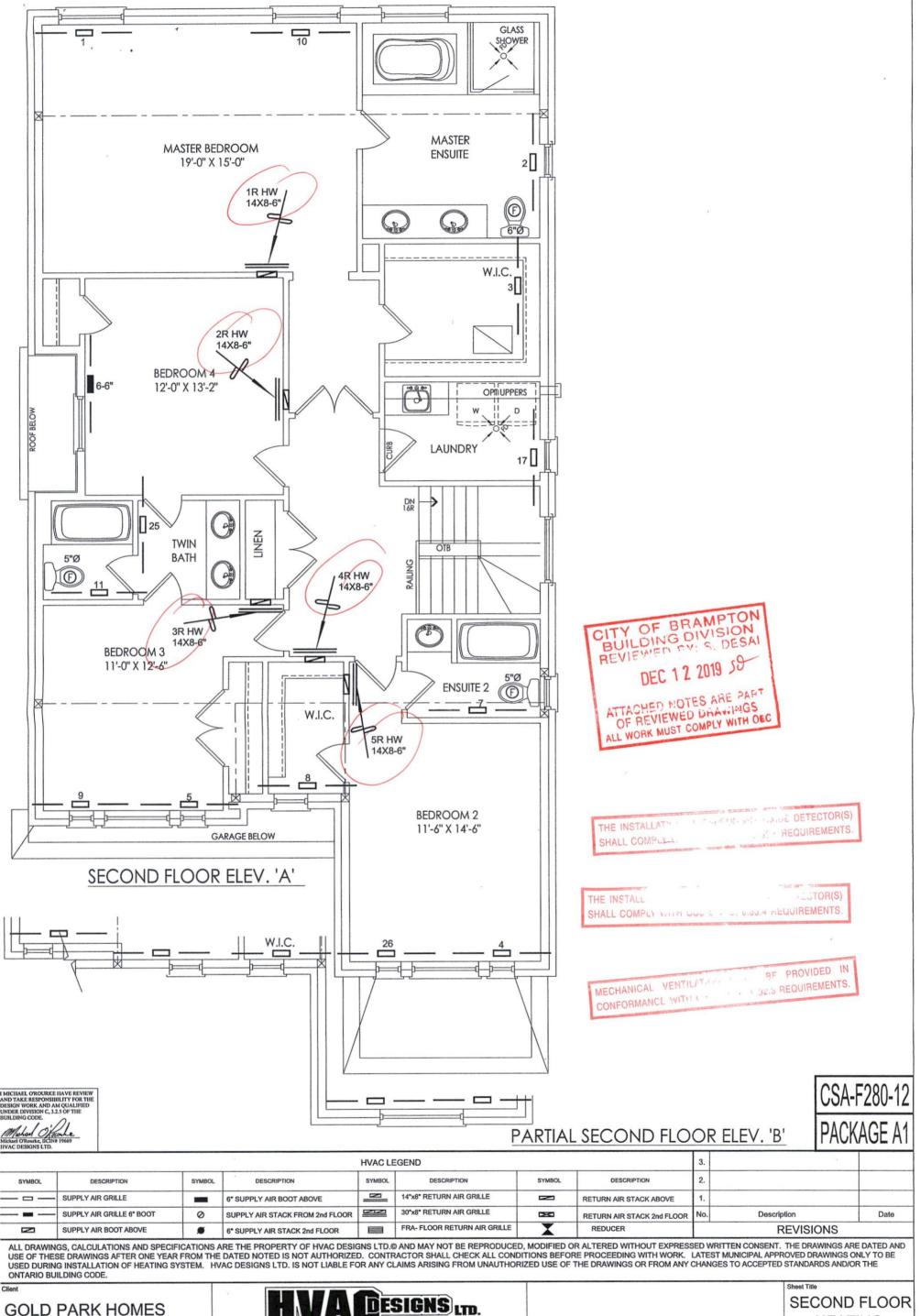
Installation to comply with the latest Ontario Building Code. All supply branch outlets shall be equipped with a manual balancing damper. Ductwork which passes through the garage or unheated spaces shall be adequately insulated and be gas-proofed.

FIRST FLOOR **HEATING** LAYOUT

OCT/2019 3/16" = 1'-0"

BCIN# 19669

LO# 84184



GOLD PARK HOMES

Project Name

ENCORE 2 BRAMPTON, ONTARIO

THE SCHUMANN

38-11

2995 sqft

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Web: www.hvacdesigns.ca Specializing in Residential Mechanical Design Services

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

SECOND FLOOR **HEATING** LAYOUT

OCT/2019 3/16" = 1'-0"

BCIN# 19669

84184 LO#