

Block 119 Units 31 to 36

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

SITE NAME:	· BARI	ASSINA			JE AINI													DATE.	Aug-22				MUNITE	0 1117110 4	I AID C	HANCE DATE A 240	UEATLOGG	AT 0F 70			
BUILDER:			HOMES	s				TYPE	: CHERI	RY 1				GFA:	1946			LO#								HANGERATE 0.319 HANGERATE 0.085	HEAT LOSS HEAT GAIN		SB-12 P.	SA-F28	
ROOM USE			T	MBR		ı	ENS		T	WIC		Γ	BED-2		1	BED-3		<u> </u>				BATH	OWNER	FLE		TANGE KATE 0.000	MEAT GAIN	1	3D-12 P	ACKAGE	. A1
EXP. WALL	_			11			14			0			10			10					l	0		0							
CLG. HT.	.l			9			9			9			9			9						9		9							
	FACT	ORS		-			•		1	•			·			•						•		•							
GRS.WALL AREA		GAIN		99			126			0			90			90						0		0							
GLAZING		OAII		LOSS	GAIN			GAIN	1	-	GAIN		LOSS	CAIN			GAIN					LOSS	O 6351		0 0 4 15 1	i i					
NORTH	4	15.0	0	0	0	٥	0	0	0	0	0	٥	0				OAN				١.				S GAIN						
EAST			0		0	0	0	-	1	0	0	1		0	0	0	-			-	0	0	0	0 0							
SOUTH	1		i	0				0	0	0	0	18	365	730	16	324	649				0	0	0	0 0	0						
	1		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				0	0	0	0 0	0						
WEST	20.3	40.5	27	547	1095	24	487	973	0	0	0	0	0	0	0	0	0				0	0	0	0 0	0						
SKYLT.	. 35.5	99.8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				0	0	0	0 0	0						
DOORS	1	2.4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				0	0	0	0 0	0				-		
NET EXPOSED WALL	4.3	0.5	72	306	39	102	434	55	0	0	0	72	306	39	74	315	40				0	0	0	0 0	0			!			1
NET EXPOSED BSMT WALL ABOVE GR		0.4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				0	0	0	0 0	0						
EXPOSED CLG	ł	0.5	300	367	158	160	196	84	60	73	32	170	208	90	180	220	95				130	159	68	190 233	100						
NO ATTIC EXPOSED CLG	1	1.1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				0	0	0	0 0	0	1					
EXPOSED FLOOR	2.4	0.3	176	428	54	0	0	0	24	58	7	0	0	0	72	175	22				48	117	15	0 0	0						
BASEMENT/CRAWL HEAT LOSS	1			0			0		1	0			0			0						0		0							- 1
SLAB ON GRADE HEAT LOSS	1			0			0			0			0			0						0		0							
SUBTOTAL HT LOSS				1648			1116			132		i	879			1034				- 1		276		233	!						
SUB TOTAL HT GAIN	ı				1346			1112			39			858			806			ĺ			83		100						
LEVEL FACTOR / MULTIPLIER			0.20	0.40		0.20	0.40		0.20	0.40		0.20	0.40		0.20	0.40				I	0.20	0.40		0.20 0.4					1		
AIR CHANGE HEAT LOSS	:			659			446			53			351			413				1		110		93					1		
AIR CHANGE HEAT GAIN	ıl				87			72	1		3			55			52			1			5		6						
DUCT LOSS				231			0		l	18	-		0			145	-			1		39	·	0	٠				1		- 1
DUCT GAIN	1				250			0			4		•	0		140	168			1		33	۵	v	0						
HEAT GAIN PEOPLE			2		480	0		0	0		0	1		240	4		240				0		0		0						
HEAT GAIN APPLIANCES/LIGHTS			-		585	Ů		n	"		0			585	•		585			1	١ '		0	U							- 1
TOTAL HT LOSS BTU/H				2537	303		1562	U		203	·		1230	303		1592	303					40.4	U	200	685						- 1
TOTAL HT GAIN x 1.3 BTU/H				2001	3571			1540		203	59			2260		1092	2406					424	127	325							
101,421110111111111111111111111111111111	1				3071			1040	<u> </u>		33			2200			2400			l	l		121		899	<u> </u>		L			
ROOM USE	T								Γ	K/L/D									PWD			FOY				T				340	
EXP. WALL									1	48									15			30							- 1	BAS	- 1
CLG. HT.									l	10									10			10							- 1	91	
	FACT	285																	10	1		10								9	
GRS.WALL AREA	1088	GAIN								480									450	- 1		200									1
GLAZING	LUSS	GAIN									0.0101								150			300							1	546	1
NORTH	20.2	15.0							0	LOSS 0	GAIN 0							0		GAIN		Loss								oss G	
EAST	20.3								56	1135								-	0	0	0	0	0								0
SOUTH	1								0		2270							0	0	0	0	0	0						1		62
WEST	20.3								1	0	0							0	0	0	0	0	0						0	0	0
1	20.3								0	0	0							0	0	0	11	223	446						0		0
SKYLT.	35.5								0	0	0						1	0	0	0	0	0	0						1		0
DOORS NET EXPOSED WALL	19.1	2.4							10	191	24						-	0	0	0	56	1070	136						21	401	51
	4.3	0.5							414	1760	224						-	150	638	81	233	991	126						1		0
NET EXPOSED BSMT WALL ABOVE GR	3.4	0.4							0	0	0						1	0	0	0	0	0	0							936 1	19
EXPOSED CLG	1.2	0.5			- 1				0	0	0						-	0	0	0	0	0	0						0	0	0
NO ATTIC EXPOSED CLG	2.6	1.1							0	0	0							0	0	0	0	0	0						0	0	0
EXPOSED FLOOR	2.4	0.3			1				0	0	0							0	0	0	0	0	0				•		0	0	0
BASEMENT/CRAWL HEAT LOSS	1									0									0	- 1		0							2	758	- 1
SLAB ON GRADE HEAT LOSS					- 1				1	0									0			0									
SUBTOTAL HT LOSS					- 1				1	3086							İ		638			2283	- 1						4	176	- 1
SUB TOTAL HT GAIN											2518									81			708							3	32
LEVEL FACTOR / MULTIPLIER									0.30	0.53	l						-	0.30	0.53		0.30	0.53							0.50	1.27	
AIR CHANGE HEAT LOSS					- 1					1637									338			1211							1	311	-
AIR CHANGE HEAT GAIN					l						163						- 1			5			46						1		21
	1				l					0									0	1		0								0	1
DUCT LOSS					1				1		0									0			اه						1	•	0
DUCT LOSS DUCT GAIN					- 1				1		υį			1															1		
1	240								0		0							0		0	0		0				Í				- 1
DUCT GAIN	240								0		- 1							0		1	0		0						0		0
DUCT GAIN HEAT GAIN PEOPLE									0	4724	0							0	976	0	0	3495	0							5	- 1
DUCT GAIN HEAT GAIN PEOPLE HEAT GAIN APPLIANCES/LIGHTS									0	4724	0							0		0	0	3495	0 0 980							5 487	0

TOTAL HEAT GAIN BTU/H:

17576

TONS: 1.46

LOSS DUE TO VENTILATION LOAD BTU/H: 1243

STRUCTURAL HEAT LOSS: 26554

TOTAL COMBINED HEAT LOSS BTU/H: 27798

Mahad Oxformale.



SITE NAME: BARLASSINA

В	UILDER:	GREEN	PARK HO	DMES				TYPE: CHERRY	1	DATE:	Aug-22			GFA: 1946	LO#	98649				
								furnace pressure	0.6											
HEATING CFM	614			DLING CFM	•			furnace filter	0.05					#0	SOODM	IAN		AFUE = 9	96 %	
TOTAL HEAT LOSS	,_,			HEAT GAIN				a/c coil pressure	0.2				(GMEC960302BNA	30		INPUT	(BTU/H) = ;		
AIR FLOW RATE CFM	23.12	P	AIR FLOW I	RATE CFM	35.25		a	vailable pressure						FAN SPEED				(BTU/H) = :		
DUBLICOURS I			·					for s/a & r/a	0.35					LOW					,	
RUN COUNT	4th	3rd	2nd	1st	Bas									MEDLOW			DES	GN CFM =	614	
S/A	0	0	9	5	3			enum pressure s/a	0.18	r/a pressure	0.17			MEDIUM	614			СFM @ .6		
R/A	0	0	3	1 1	1			s/a dif press. loss	0.02	r/a grille press. Loss	0.02			MEDIUM HIGH				_		
All S/A diffusers 4"x10" unle				out.			min adjı	usted pressure s/a	0.16	adjusted pressure r/a	0.15			HIGH	895		TEMPERAT	URE RISE	43	۰F
All S/A runs 5"Ø unless not		vise on la	ayout.															-		•
RUN #		2	3	4	5	6	7	8	10		14	15	16	18	19		21	22		24
RM LOSS MBH.	MBR	ENS	WIC	BED-2	BED-3	BATH	BATH	FLEX	MBR		K/L/D	K/L/D	K/L/D	PWD	FOY		BAS	BAS		BAS
CFM PER RUN HEAT	1.27	1.56	0.20	1.23	1.59	0.21	0.21	0.33	1.27		1.57	1.57	1.57	0.98	3.49		3.16	3.16		3.16
RM GAIN MBH.	29	36	5	28	37	5	5	8	29		36	36	36	23	81		73	73		73
CFM PER RUN COOLING	1.79	1.54 54	0.06	2.26	2.41	0.06	0.06	0.90	1.79		1.42	1.42	1.42	0.11	0.98		0.41	0.41		0.41
ADJUSTED PRESSURE	63 0.17		2	80	85	2	2	32	63		50	50	50	4	35		14	14		14
ACTUAL DUCT LGH.	0.17 51	0.17	0.17	0.17	0.16	0.17	0.17	0.17	0.17		0.17	0.17	0.17	0.17	0.16		0.17	0.17		0.17
EOUIVALENT LENGTH		42	18	54	45	26	24	45	55		45	40	12	6	28		44	31		22
TOTAL EFFECTIVE LENGTH		160	170	160	130	150	170	170	200		120	120	90	90	120		120	130		140
ADJUSTED PRESSURE		202	188	214	175	176	194	215	255		165	160	102	96	148		164	161		162
ROUND DUCT SIZE		0.09	0.09	0.08	0.09	0.1	0.09	0.08	0.07		0.1	0.11	0.17	0.18	0.11		0.1	0.11		0.11
HEATING VELOCITY (ft/min)		2004	4 57	6	400	4	4	5	6		5	4	5	4	5		5	5		5
COOLING VELOCITY (ft/min)		264 396	57 23	143	189	57	57	59	148		264	413	264	264	595		536	536		536
OUTLET GRILL SIZE				408	433	23	23	235	321		367	574	367	46	257		103	103		103
TRUNK	47.10	3X10 C	3X10 B	4X10	4X10	3X10	3X10	3X10	4X10		3X10	3X10	3X10	3X10	3X10		3X10	3X10		3X10
I RONK	<u> </u>	<u> </u>		A	A	В	B	В	С		A	A	В	C	C		A	Α		c

RUN# ROOM NAME RM LOSS MBH. CFM PER RUN HEAT RM GAIN MBH. CFM PER RUN COOLING ADJUSTED PRESSURE ACTUAL DUCT LGH. EQUIVALENT LENGTH TOTAL EFFECTIVE LENGTH ADJUSTED PRESSURE ROUND DUCT SIZE HEATING VELOCITY (ft/min) COOLING VELOCITY (ft/min) OUTLET GRILL SIZE TRUNK

NOT THE GRANTING OF A PERMIT NOR REVIEWING OF SPECS & DRAWINGS NOR INSPECTIONS MADE DURING INSTALLATION BY THE OFFICIAL HAVING JURISDICTION SHALL RELIEVE THE OWNER FROM REQUIREMENTS OF THE ONTARIO BUILDING CODE AND ANY OTHER REFERENCED REQUIREMENTS.

SUPPLY AIR TRUNK SIZE																	RETURN A	ID TOUNI	K SIZE			•		
	TRUNK	STATIC	ROUND	RECT			VELOCITY			TRUNK	STATIC	ROUND	RECT			VELOCITY	TAL TOTAL	TRUNK	STATIC	ROUND	RECT			
	CFM	PRESS.	DUCT	DUCT			(ft/min)			CFM	PRESS.	DUCT	DUCT			(ft/min)		CFM	PRESS.					VELOCI
TRUNK /	283	0.08	8.7	10	х	8	509		TRUNK G		0.00	0	ο.	v	8	(1071011)	TRUNK O	0		DUCT	DUCT		_	(ft/min)
TRUNK I	3 342	80.0	9.4	14	x	8	440		TRUNK H	Õ	0.00	ñ	Ô	X	0	0	TRUNK P	Ü	0.07	Ü	0	X	8	0
TRUNK (271	0.07	8.9	10	x	8	488		TRUNK I	ñ	0.00	n	0		٥	0	ł	Ü	0.07	Ü	U	X	8	0
TRUNK I	0 0	0.00	0	n	Y Y	8	0		TRUNK J	ñ	0.00	0	0	X	0	Ü	TRUNK O	Ü	0.07	U	0	Х	8	0
TRUNK I	E 0	0.00	ñ	ñ	Ŷ	8	ñ		TRUNK K	0	0.00	0	0	X	0	Ū	TRUNK R	0	0.07	0	0	X	8	0
TRUNK I	-	0.00	ñ	ñ	Ŷ	8	n		TRUNK L	0	0.00	0	0	X	8	Ü	TRUNK S	U	0.07	0	0	X	8	0
		0.00			^				TRUIN E	<u> </u>	0.00	<u> </u>	<u> </u>	X	8	U	TRUNK T	0	0.07	0	0	X	8	0
																	TRUNK U	0	0.07	0	0	X	8	0
RETURN AIR #	1		3	1	5												TRUNK V	U	0.07	0	0	Х	8	0
	'n	n	ñ	<u> </u>	0	0	0	0	0		•	^	•	•	_	BR	TRUNK W	.0	0.07	0	0	Х	8	0
AIR VOLUME	85	•	85	85	270	0	0	0	0	0	Ŭ	U	U	0	0		TRUNK X	614	0.07	12.1	18	X	8	614
PLENUM PRESSURE	0.15	0.15	0.15	0.15		0.45	-	0.45	0.45	0.45	0	0	0	0	0	89	TRUNK Y	85	0.07	5.8	8	X	8	191
ACTUAL DUCT LGH.	55	0.13			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 Z	0	0.07	0	0	X	8	0
EQUIVALENT LENGTH	145		28 175	27	14	1	1	1	1	1	1	1	1	1	1	14	DROP	614	0.07	12.1	24	Х	10	368
TOTAL EFFECTIVE LH		0		140	180	Ü	Ü	Ü	Ų	0	0	0	0	0	0	180								
ADJUSTED PRESSURE	200	44.00	203	167	194	1		. 1	1	1	1	1	1	1	1	194								
	0.07	14.80	0.07	0.09	0.08	14.80	14.80	14.80	14.80	14.80	14.80	14.80	14.80	14.80	14.80	0.08								
ROUND DUCT SIZE	5.8	Ü	5.8	5.4	8.6	0	0	0	0	.0	0	0	0	0	0	5.7								
NLET GRILL SIZE	8	0	8	8	8	0	0	0	0	0	0	0	0	0	0	8								
	X	Х	X	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	х								
NLET GRILL SIZE	14	0	14	14	30	0	0	0	0	0	0	0	0	0	0	14								



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TYPE: SITE NAME:

CHERRY 1

BARLASSINA

LO# 98649

RESIDENTIAL MECHANICAL VENTILATION DESIGN SUMMARY

COMBUSTION APPLIANCES	9.32.3.1(1)	SUPPLEMENTAL VENTILATION CAPACITY 9.32.3.5
a)Direct vent (sealed combustion) only		Total Ventilation Capacity 148.4 cfm
b) Positive venting induced draft (except fireplaces)		Less Principal Ventil. Capacity 63.6 cfm
c) Natural draft, B-vent or induced draft gas fireplace		Required Supplemental Capacity 84.8 cfm
d) Solid Fuel (including fireplaces)		PRINCIPAL EXHAUST FAN CAPACITY
e) No Combustion Appliances		
HEATING SYSTEM		63.6 cfm
✓ Forced Air Non Forced Air		PRINCIPAL EXHAUST HEAT LOSS CALCULATION CFM
Electric Space Heat		63.6 CFM X 72 F X 1.08 X 0.25
		SUPPLEMENTAL FANS BY INSTALLING CONTRACTOR
HOUSE TYPE	0.22.4(2)	Location Model cfm HVI Sones
NOOSE ITE	9.32.1(2)	ENS BY INSTALLING CONTRACTOR 50 ✓ 3.5 BATH BY INSTALLING CONTRACTOR 50 ✓ 3.5
Type a) or b) appliance only, no solid fuel		LAUN BY INSTALLING CONTRACTOR 50 ✓ 3,5
		PWD BY INSTALLING CONTRACTOR 50 ✓ 3.5
II Type I except with solid fuel (including fireplaces)		HEAT RECOVERY VENTILATOR 9.32.3.11.
III Any Type c) appliance		Model: VANEE V150H
IV Type I, or II with electric space heat		
Other: Type I, II or IV no forced air		
		LOCATION OF INSTALLATION
SYSTEM DESIGN OPTIONS C	D.N.H.W.P.	LOCATION OF INSTALLATION
1 Exhaust only/Forced Air System		Lot: Concession
		Township Plan:
2 HRV with Ducting/Forced Air System		Address
HRV Simplified/connected to forced air system		Roll # Building Permit #
4 HRV with Ducting/non forced air system		BUILDER: GREENPARK HOMES
Part 6 Design		Name:
TOTAL VENTILATION CAPACITY	9.32.3.3(1)	Address:
Basement + Master Bedroom 2 @ 21.2 cfm 42.4	cfm	City:
Other Bedrooms 2 @ 10.6 cfm 21.2	cfm	Telephone #: Fax #:
Kitchen & Bathrooms <u>4</u> @ 10.6 cfm <u>42.4</u>	cfm	INSTALLING CONTRACTOR
Other Rooms <u>4</u> @ 10.6 cfm <u>42.4</u>	cfm	Name:
Table 9.32.3.A. TOTAL 148.4	cfm	Address:
		City:
PRINCIPAL VENTILATION CAPACITY REQUIRED 9	0.32.3.4.(1)	
1 Bedroom 31.8	cfm	Telephone #: Fax #:
2 Bedroom 47.7	cfm	DESIGNER CERTIFICATION I hereby certify that this ventilation system has been designed in accordance with the Ontario Building Code.
3 Bedroom 63.6	cfm	Name: HVAC Designs Ltd.
4 Bedroom 79.5	cfm	Signature: Mahad Ofmale.
5 Bedroom 95.4	cfm	HRAI # 001820
TOTAL 63.6 cfm		Date: August-22
I REVIEW AND TAKE RESPONIBILITY FOR THE DESIGN WORK AND AM QUALIF INDIVIDUAL BCIN: 19669 MICHAEL O'ROL		PROPRIATE CATEGORY AS AN "OTHER DESIGNER" UNDER DIVISION C, 3.2.5 OF THE BUILDING CODE.



: 2022-08-22
: 2022-08-22
-
T 47.85
ΔT °F 72
9
] 9
105 W
358 Btu/h
158 Btu/h
Rourke
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11-101
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37S Finley Ave. Suite 202 Ajax, ON L1S 2E2 Tel: 90S.619.2300 Fax: 90S.619.237S

HEAT LOSS AND GAIN SUMMARY SHEET

MODEL:	CHERRY 1		BUILDER: GREENPARK HOMES	
SFQT:	1946	LO# 98649	SITE: BARLASSINA	
DESIGN A	ASSUMPTIONS			
	R DESIGN TEMP. DESIGN TEMP.	°F 0 72	COOLING OUTDOOR DESIGN TEMP. INDOOR DESIGN TEMP. (MAX 75°F) WINDOW SHGC	°F 84 7S 0.S0
ATTACHN	1ENT:	ATTACHED	# OF STORIES (+BASEMENT):	3
FRONT FA	ACES:	EAST	ASSUMED (Y/N):	Υ
AIR CHAN	IGES PER HOUR:	3.S7	ASSUMED (Y/N):	Υ
AIR TIGHT	rness category:	AVERAGE	ASSUMED (Y/N):	Υ
WIND EX	POSURE:	SHELTERED	ASSUMED (Y/N):	Υ
HOUSE V	OLUME (ft³):	2S674.0	ASSUMED (Y/N):	Υ
INTERNAL	SHADING:	BLINDS/CURTAINS	ASSUMED OCCUPANTS:	4
INTERIOR	LIGHTING LOAD (Btu/	h/ft²): 1.27	DC BRUSHLESS MOTOR (Y/N):	Υ
FOUNDAT	TION CONFIGURATION	BCIN_1	DEPTH BELOW GRADE:	6.0 ft
LENGTH:	S7.0 ft	WIDTH: 17.0 ft	EXPOSED PERIMETER:	91.0 ft

2012 OBC - COMPLIANCE PACKAGE		
Component	1	e Package
Component		A1
Cailing with Attic Space Minimum BSI (D) Value	Nominal	Min. Eff.
Ceiling with Attic Space Minimum RSI (R)-Value	60	S9.22
Ceiling Without Attic Space Minimum RSI (R)-Value	31	27.6S
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 Minimum 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)-Value	10	11.13
Windows and Sliding Glass Doors Maximum U-Value	0.28	
Skylights Maximum U-Value	0.49	-
Space Heating Equipment Minimum AFUE	96%	-
HRV/ERV Minimum Efficiency	75%	-
Domestic Hot Water Heater Minimum EF	0.8	-

INDIVIDUAL BCIN: 19669 MICHAEL O'ROURKE





Residential Foundation Thermal Load Calculator

Supplemental tool for CAN/CSA-F280

W	eather Sta	tion Description
Province:	Ontario	
Region:	Cambridg	ge
	Site D	escription
Soil Conductivity:	Normal c	onductivity: dry sand, loam, clay
Water Table:	Normal (7-10 m, 23-33 ft)
	Foundatio	n Dimensions
Floor Length (m):	17.4	
Floor Width (m):	5.2	
Exposed Perimeter (m):	27.7	
Wall Height (m):	2.7	
Depth Below Grade (m):	1.83	Insulation Configuration
Window Area (m²):	0.4	en e
Door Area (m²):	2.0	
	Radia	ant Slab
Heated Fraction of the Slab:	0	
Fluid Temperature (°C):	33	
	Desigr	n Months
Heating Month	1	
	Founda	tion Loads
Heating Load (Watts):		808

TYPE: CHERRY 1 **LO#** 98649







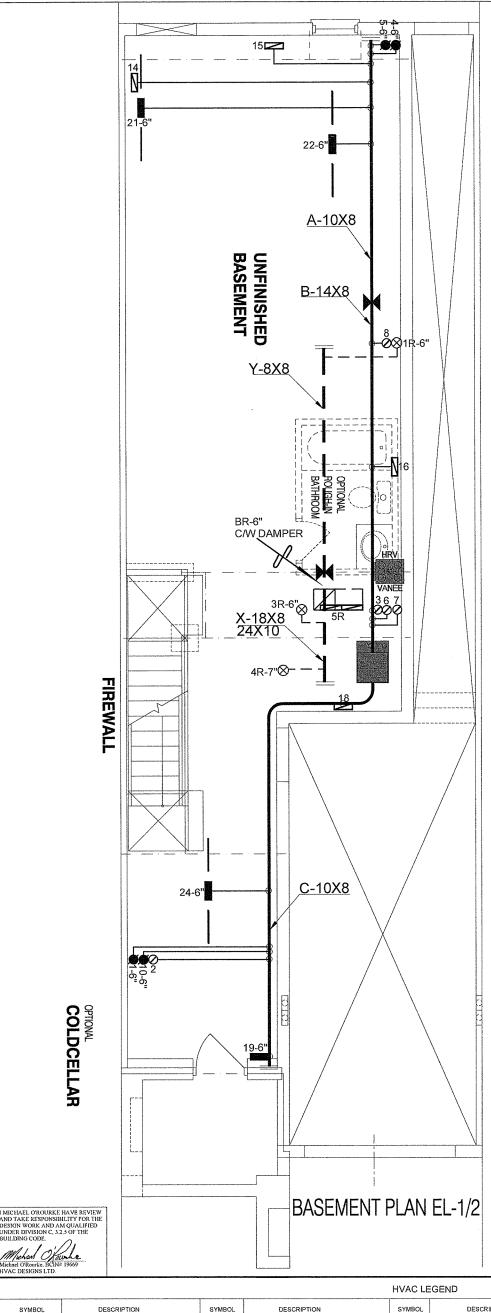
Air Infiltration Residential Load Calculator

Supplemental tool for CAN/CSA-F280

Weather St	tation Description
Province:	Ontario
Region:	Cambridge
Weather Station Location:	Open flat terrain, grass
Anemometer height (m):	10
Loca	al Shielding
Building Site:	Suburban, forest
Walls:	Heavy
Flue:	Heavy
Highest Ceiling Height (m):	6.71
Building	Configuration
Type:	Semi
Number of Stories:	Two
Foundation:	Full
House Volume (m³):	727.0
Air Leaka	age/Ventilation
Air Tightness Type:	Present (1961-) (3.57 ACH)
Custom BDT Data:	ELA @ 10 Pa. 969.1 cm ²
	3.57 ACH @ 50 Pa
Mechanical Ventilation (L/s):	Total Supply Total Exhaust
	30.0 30.0
FI	lue Size
Flue #:	#1 #2 #3 #4
Diameter (mm):	0 0 0 0
Natural Ir	nfiltration Rates
Heating Air Leakage Rate (ACH/	(H): 0.319
Cooling Air Leakage Rate (ACH/	H): 0.085

TYPE: CHERRY 1 **LO#** 98649





CSA-F280-12 PACKAGE A1

BASEMENT

HEATING

LAYOUT

AUG/2022

3/16" = 1'-0"

BCIN# 19669

LO#

98649

			3.							
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	2.		
	SUPPLY AIR GRILLE	Section 1	6" SUPPLY AIR BOOT ABOVE		14"x8" RETURN AIR GRILLE		RETURN AIR STACK ABOVE	1.		
	SUPPLY AIR GRILLE 6" BOOT	0	SUPPLY AIR STACK FROM 2nd FLOOR		30"x8" RETURN AIR GRILLE	5 21	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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Client

GREENPARK HOMES

Project Nam

BARLASSINA CAMBRIDGE, ONTARIO

Block 119 Units 31 to 36

CHERRY 1

1946 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.

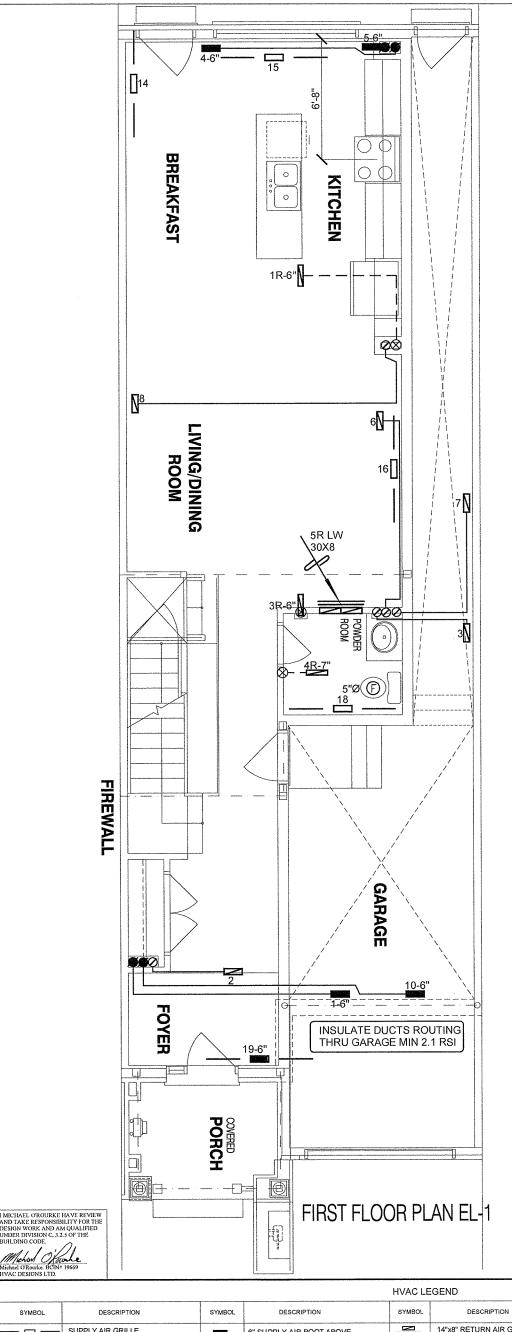
Ductwork which passes through the garage or unheated spaces shall be adequately insulated and be gas-proofed.

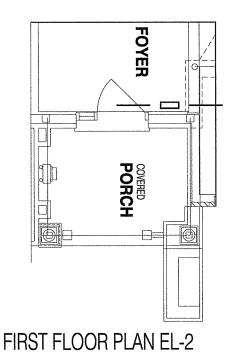
		SS 27798	BTU/H	# OF RUNS	S/A	R/A	FANS	Shee
		INIT DATA		3RD FLOOR				
	MAKE G(DODMAN		2ND FLOOR	9	3	3	
	MODEL GMEC	C960302BN	A	1ST FLOOR	5	1	2	
	INPUT	30	MBTU/H	BASEMENT	3	1	0	Date
_	OUTPUT		MBTU/H	ALL S/A DIFFU	SERS	4 "x10)"	Scale
		29		UNLESS NOTE				
Эе	COOLING	1.5	TONS	ON LAYOUT. A UNLESS NOTE				

735

ON LAYOUT. UNDERCUT

DOORS 1" min. FOR R/A





CSA-F280-12 PACKAGE A1

			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.		
NRI	SUPPLY AIR GRILLE 6" BOOT	0	SUPPLY AIR STACK FROM 2nd FLOOR		30"x8" RETURN AIR GRILLE	1 221	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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GREENPARK HOMES

Project Name

BARLASSINA CAMBRIDGE, ONTARIO

Block 119 Units 31 to 36

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.

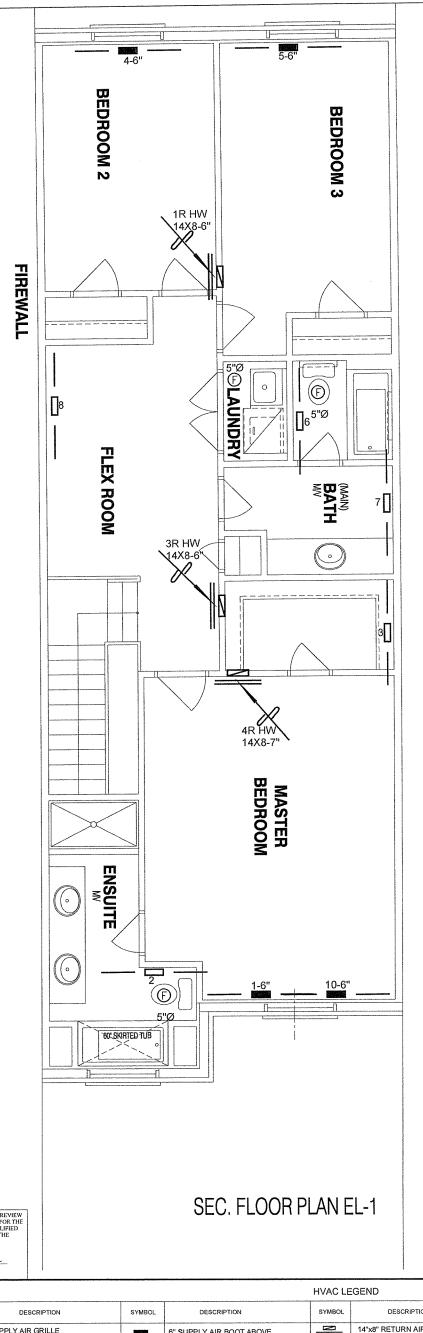
FIRST FLOOR **HEATING** LAYOUT

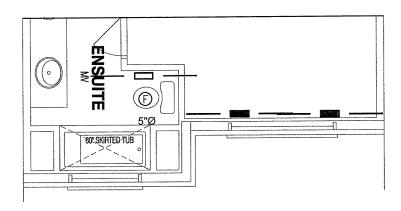
AUG/2022

3/16" = 1'-0" Scale BCIN# 19669

98649 LO#

1946 sqft CHERRY 1





SEC. FLOOR PLAN EL-2

NOT THE GRANTING OF A PERMIT NOR REVIEWING OF SPECS & DRAWINGS NOR INSPECTIONS MADE DURING INSTALLATION BY THE OFFICIAL HAVING JURISDICTION SHALL RELIEVE THE OWNER FROM REQUIREMENTS OF THE ONTARIO BUILDING

CODE AND ANY OTHER REFERENCED REQUIREMENTS.

CSA-F280-12

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.		
	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
a	SUPPLY AIR BOOT ABOVE	.6	6" SUPPLY AIR STACK 2nd FLOOR		FRA- FLOOR RETURN AIR GRILLE	X	REDUCER		REVISIONS	

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GREENPARK HOMES

Project Name

BARLASSINA CAMBRIDGE, ONTARIO

Block 119 Units 31 to 36

CHERRY 1

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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 1946 sqft adequately insulated and be gas-proofed.

SECOND FLOOR **HEATING** LAYOUT

AUG/2022 3/16" = 1'-0"

BCIN# 19669

98649 LO#