

## Color   Col	SITE NAME:	TRINAR	RHALL	номе	s													DATE:	Feb-19			,	WINTE	R NATURAL AIR CI	HANGE RATE 0.22	7 HEAT LOSS	ΔT °F. 81		CSA-F280-1
EXP. WALL  CALL PLANCE  GREATMAL, AREA  LOSS CAMP  GREATMAL, AREA  LOSS CAMP  GREATMAL, AREA  LOSS CAMP  HORITOR  HAVE TO BAL  REAL TO BE SHOWN LOSS CAMP  HORITOR  HAVE TO BAL  REAL TO BE SHOWN LOSS CAMP  HORITOR  HAVE TO BAL  REAL TO BE SHOWN LOSS CAMP  HORITOR  HAVE TO BAL  REAL TO BE SHOWN LOSS CAMP  HORITOR  HAVE TO BAL  REAL TO BE SHOWN LOSS CAMP  HORITOR  HAVE TO BAL  REAL TO BE SHOWN LOSS CAMP  HORITOR  HAVE TO BAL  REAL TO BE SHOWN LOSS CAMP  HORITOR  HAVE TO BAL  REAL TO BE SHOWN LOSS CAMP  HORITOR  HAVE TO BAL  REAL TO BE SHOWN LOSS CAMP  HORITOR  HAVE TO BAL  REAL TO BE SHOWN LOSS CAMP  HORITOR  HAVE TO BAL  REAL TO BE SHOWN LOSS CAMP  HORITOR  HAVE TO BAL  REAL TO BE SHOWN LOSS CAMP  HORITOR  HAVE TO BAL  REAL TO BE SHOWN LOSS CAMP  HORITOR  HAVE TO BAL  REAL TO BE SHOWN LOSS CAMP  HORITOR  HAVE TO BAL  REAL TO BE SHOWN LOSS CAMP  HORITOR  HAVE TO BAL  REAL TO BE SHOWN LOSS CAMP  HORITOR  HAVE TO BAL  REAL TO BE SHOWN LOSS CAMP  HORITOR  HORITOR  HAVE TO BAL  HAVE TO	BUILDER:	GREEN	IPARK I	HOMES	3				TYPE:	GLENV	AY 7A			GF	FA: 33	317		LO#	81523			S	UMME	R NATURAL AIR C	HANGE RATE 0.06	3 HEAT GAIN	ΔT °F. 11		ENERGYSTA
CLOLIT.  SECRETARY SECRETA	ROOM USE				MBR			ENS			WIC	T	BE	ED-2		BE	D-3	1	BED-4			ENS-2		BED-5	S-ENS	ENS-3			
ORBANNAL AREA   LOSS CAMP   CASS CAMP	EXP. WALL				42			22			8		1	14		1	6	1	30			11		11	6	17			
055-WALL MATE LOGS CAMP   275	CLG. HT.				9			9			9			9			•	1	9			9		9	9	9			
Company   Comp	·	FACTO	RS									ı						l .											
Control   Cont	GRS.WALL AREA	LOSS	GAIN		378		l	198			72		1.	26		1	14	194	270			99		99	54	153			
MORTH  Set   51, 51   0   0   0   0   0   0   0   0   0						GAIN		LOSS	GAIN			AIN	LO	SS GA	AIN	LO	S GAIN	1	LOSS	GAIN		LOSS	GAIN	LOSS GAIN	LOSS GAIN	LOSS GAIN			
BOST  24. 43.7   0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		20.4	15.1	٥	0	0	0	0	0	0	0	ا ہ	17 3	346 25	57	0	0	0	0	0	9	183	136	0 0 0	0 0 0	0 0 0			
SOUTH  28.4 46.7   0.4 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	i I			0	0	o	0	0	0	0	0	0				32 6	51 1303	36	733	1466	0			0 0 0	0 0 0	18 366 733			
WEST   SAL   SAT   SAL   SAT   SAL   SAT   SAL   SAT	l I		24.1	0	0	0	1	0	0	١٠	0	١٥	0	0 (			0	0	0	0	0	0	0	17 346 409	9 183 217	0 0 0	1		
SINCLE JAS. 28.29 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1				-	-		-	611			. 1		0 (	0	0	0	0	0	0	0	0	0		1	1 .			
COORDING 170   3				ı			1				-	1	-					0	0	0	0	0	ō	0 0 0	0 0 0	I	İ		
RETEMORED MAIL   1.5				1		-			n	1				0 (	١	0		١٠	0	0	0	0	0	0 0 0	0 0 0	0 0 0	· ·		
STEPS SERVE MALE AND ADDRESS   130   10   0   0   0   0   0   0   0   0	1			1					95	1				121 5	57 1	112 4	32 58	234	903	122	90	347	47	82 316 43	45 174 23	135 521 70			
EXPOSED CLG   34 0.8 37 0.9 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0																			0						1	I			
NO ATTIC EXPOSED CLG   2-9   1.2   0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		ı			-	-	-	-	-	1 -	-	- 1		-	- 1	215 2	6 120	255	351	142		94	38	230 316 128	I -	II.			
EMPOSED PLOOR 1 27 0.4 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0							1					- 1													1	•			
DASSEMBRYTCHAMM, HEAT LOSS				· ·	-		1 -		•			- 1			- 1								-		1				
SUBSTOTAL HT CARN		2.1	0.4	"	-	U	١	-	v	ľ	-	۱ ۲	-		۰   ۲			١	•	٠	"				1	1			
SURTOTAL HT CLOSS SURTOTAL HT CANN LEVEL FACTOR MULTIPLIER 0 20 0.33 AIR CHANGE HEAT CASS AIR	1				•			-		l	-			-			•		•			•		•	١٠٠				
SUB TOTAL HT CARM   1774   220   278   102   233   442   230   231   230   233   233				l	•			•		1	•						-		•			-		-	457	-			
LEVEL PACTORN MULTIPLEIR AIR CHANGE HEAT CORN HEAT CORN HEAT CORN HEAT CORN HEAT CORN HEAT CORN AIR CHANGE HEAT CO					2530			1180					71			20		ì	2045	4754		010	240		1	l .			
ARI CHANGE HEAT CLOSS ARIC CHANGE HEAT CLOSS	1			۰		1//1		0.00	115	0.00		- 1	n 20			20 ^			0.00	1754	0.20	0.22	440		l .	1			
AR CHANGE HEAT OAN DUCT LOSS DUCT GAN HEAT CARN PEOPLE 240 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1			0.20			0.20			0.20		۱			١٣			0.20			0.20				l .	I .			
DUCT CASH   DUCT	1				592			276		1			2			4			4/8		l	109			1	l .			
DUCT OAN   HEAT CARN PEOPLE   20					_	99		_	43	1		6			25	_				90	1	400	14						
HEAT GAIN PEOPLE   240					0			0	_	1	-				_	2		1	0	_		100			1	1			
HAT CAIM APPLIANCES ADILY   1922   152   156   153   156   153   156   153   156   153   156   153   156   153   156   153   156   153   156   153   156   157   150   150	1					0				1		1			٠ ١			Ι.		•	_		1	•	1	1			
TOTAL HT LOSB ETUH TOTAL HT LOSB ETUH TOTAL HT LOSB ETUH TOTAL HT GAIN X 1.3 ETUH TOTAL HT GAIN		240		2			0			0		0	1			1		1			יי		-		1 -	1 *			
TOTAL HT GAIN x 1.3 BTUH    3851   1064   140   17/4   3822   3516   372   1904   385   1293							1		0	1		0			12			1		612	ł		0		1	1			
ROOM USE   E.P. WALL   CLG. H.T.   10   10   10   10   10   10   10   1					3122			1456		1			13			28		l	2523		İ	1099			1	1			
EXP. WALL CLG. HT. CL	TOTAL HT GAIN x 1.3 BTU/H	L				3851	<u> </u>		1064	<u> </u>	1	40		17	714		3622	<u></u>		3516			372	1904	385	1293	1		
EXP. WALL CLG. HT. CL																													
CLG, HT																<del></del>									Т	<del></del>	Τ		DAG
GRS.WALLAREAL LOSS GAIN GLOSS GAIN GLOSS GAIN GLOSS GAIN LOSS GAIN	1											T			T			T								T		T	
CRS.WALL AREA   COSS GAIN   CLOSS GAIN   C	EXP. WALL				••••			26			77		1	10		2	5		13			19			, , , , , , , , , , , , , , , , , , ,				178
Closs   Gain   Closs	EXP. WALL							26			77		1	10		2	5		13			19							178
NORTH 20.4 15.1	EXP. WALL CLG. HT.							26 10			77 10		1	10 10		1	25 0		13 10			19 10							178 9
EAST 20.4 40.7 20 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	EXP. WALL CLG. HT. GRS.WALL AREA							26 10 260			77 10 770		1	10 10 100		1	5 0 50		13 10 130			19 10 190							178 9 1068
SOUTH   20.4   24.1   26   529   626   13   255   313   0   0   0   0   0   0   0   0   0	EXP. WALL CLG. HT. GRS.WALL AREA GLAZING	LOSS	GAIN					26 10 260 LOSS			77 10 770 LOSS G		1 1 LC	10 10 100 088 G/	- 1	2 LC	5 0 50 SS GAIN		13 10 130 LOSS			19 10 190 LOSS							178 9 1068 LOSS GAI
SOUTH   20.4   24.1   26   529   626   13   255   313   0   0   0   0   0   0   0   0   0	EXP. WALL CLG. HT. GRS.WALL AREA GLAZING NORTH	LOSS 20.4	GAIN 15.1				1	26 10 260 LOSS 0	0	0	77 10 770 LOSS G 0	0	1 LC 20 4	10 10 100 OSS GA	103	2 LO 9 1	50 SS GAIN 136		13 10 130 LOSS 0	0		19 10 190 LOSS 0	0		Town of			1 -	178 9 1068 LOSS GAI 61 45
SKYLT.   34.2   99.9   99.9   0   0   0   0   0   0   0   0   0	EXP. WALL CLG. HT. GRS.WALL AREA GLAZING NORTH EAST	20.4 20.4	GAIN 15.1				0	26 10 260 LOSS 0	0	0 0	77 10 770 LOSS G 0 0	0	1 1 LC 20 4	10 10 100 OSS G# 407 30	0	2 LC 9 1	50 50 SS GAIN 83 136 D 0	12	13 10 130 LOSS 0 244	0 489	0	19 10 190 LOSS 0	0 0	S	East G	willimbury		1 -	178 9 1068 LOSS GAI 61 45 0 0
DOORS   27.0   3.7   3.9   0.5   0	EXP. WALL CLG. HT. GRS.WALL AREA GLAZING NORTH EAST SOUTH	20.4 20.4 20.4 20.4	9AIN 15.1 40.7 24.1				0 26	26 10 260 LOSS 0 0 529	0 0 626	0 0 13	77 10 770 LOSS G 0 0 265 3	0 0 313	1 LC 20 4 0	10 10 100 0SS GA 407 30 0 0	0 0	2 LC 9 1 0	50 50 5S GAIN 83 136 0 0	12 0	13 10 130 LOSS 0 244 0	0 489 0	0	19 10 190 LOSS 0 0	0 0 0	8				0	178 9 1068 LOSS GAI 61 45 0 0 122 144
NET EXPOSED WALL NET EXPOSED WALL NET EXPOSED BASH WALL ABOVE OR NET EXPOSED BASH WALL ABOVE OR EXPOSED BASH WALL ABOVE OR EXPOSED BASH WALL ABOVE OR EXPOSED LG IA 0.6 O 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	EXP. WALL CLG. HT. GRS.WALL AREA GLAZING NORTH EAST SOUTH WEST	20.4 20.4 20.4 20.4	9AIN 15.1 40.7 24.1				0 26 0	26 10 260 LOSS 0 0 529 0	0 0 626 0	0 0 13 73	77 10 770 LOSS G 0 0 265 3 1486 2	0 0 313 972	1 LC 20 4 0 0	10 10 100 0SS GA 107 30 0 0	0 0 0 0	2 LC 9 1 0 0	50 50 55S GAIN 63 136 0 0	12 0 0	13 10 130 LOSS 0 244 0	0 489 0 0	0 0	19 10 190 LOSS 0 0 0	0 0 0	<u> </u>				0 6 3	178 9 1068 LOSS GAI 61 45 0 0 122 144 61 122
NET EXPOSED CLG   1,4   0,6   0   0   0   0   0   0   0   0   0	EXP. WALL CLG. HT. GRS.WALL AREA GLAZING NORTH EAST SOUTH WEST SKYLT.	20.4 20.4 20.4 20.4 20.4 34.2	99.9				0 26 0 0	26 10 260 LOSS 0 0 529 0	0 0 626 0	0 0 13 73 0	77 10 770 LOSS G 0 0 265 3 1486 2	0 0 313 972 0	1 LC 20 4 0 0 0 0	10 10 100 0SS GA 407 30 0 0	0 0 0 0	2 LC 9 1 0 0	50 50 55S GAIN 63 136 0 0 0 0	12 0 0 0	13 10 130 LOSS 0 244 0 0	0 489 0 0	0 0 0	19 10 190 LOSS 0 0 0	0 0 0 0	<u> </u>				0 6 3 0	178 9 1068 LOSS GAI 61 45 0 0 122 144 61 122 0 0
EXPOSED CLG 1.4 0.6 NO ATTIC EXPOSED CLG EXPOSED CLG EXPOSED FLOOR EXPOSED LG EXPOSED FLOOR EXPOSED LG EXPOSED FLOOR EXPOSED FLO	EXP. WALL CLG. HT. GRS.WALL AREA GLAZING NORTH EAST SOUTH WEST SKYLT. DOORS	20.4 20.4 20.4 20.4 20.4 34.2 27.0	15.1 40.7 24.1 40.7 99.9 3.7				0 26 0 0	26 10 260 LOSS 0 0 529 0 0	0 0 626 0 0	0 0 13 73 0	77 10 770 LOSS G 0 0 265 3 1486 2 0	0 0 313 972 0 73	1 1 LC 20 4 0 0 0 0 0 0 0 0	100 100 DSS GA 107 30 0 0 0 0	0 0 0 0 0	2 LC 9 1 0 0 0 0	55 0 550 9SS GAIN 83 136 0 0 0 0 0 0	12 0 0 0 0	13 10 130 LOSS 0 244 0 0	0 489 0 0 0	0 0 0 0 40	19 10 190 LOSS 0 0 0 0	0 0 0 0 0		Building Stand	dards Branch BCIN #16487		0 6 3 0 20	178 9  1068  LOSS GAI 61 45 0 0 122 144 61 122 0 0 541 73
EXPOSED CLG   1.4   0.6   0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	EXP. WALL CLG. HT. GRS.WALL AREA GLAZING NORTH EAST SOUTH WEST SKYLT. DOORS NET EXPOSED WALL	20.4 20.4 20.4 20.4 34.2 27.0 3.9	15.1 40.7 24.1 40.7 99.9 3.7 0.5				0 26 0 0 0 234	26 10 260 LOSS 0 0 529 0 0 0 903	0 0 626 0 0 0	0 0 13 73 0 20 664	77 10 770 LOSS G 0 0 265 3 1486 2 0 541 2562 3	0 0 313 972 0 73	1 1 LC 20 4 0 0 0 0 0 0 80 3	110 110 100 100 100 107 10 10 10 10 10 10 10 10 10 10 10 10 10	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2 LC 9 1 0 0 0 0 20 5 221 8	55 50 SSS GAIN 83 136 0 0 0 0 0 0 1 73 53 115	12 0 0 0 0 0	13 10 130 LOSS 0 244 0 0 0 0	0 489 0 0 0 0	0 0 0 0 40 150	19 10 190 LOSS 0 0 0 0 0 1082 579	0 0 0 0 0 146 78	corre	Building Stand see plans have been re- ections as noted. No	viewed for use with the	e	0 6 3 0 20	178 9  1068 LOSS GAI 61 45 0 0 122 144 61 122 0 0 541 73 0 0
EXPOSED FLOOR BASEMENT/CRAWL HEAT LOSS SLAB ON GRADE HEAT LOSS SLAB ON GRADE HEAT LOSS SLAB ON GRADE HEAT LOSS SLAB ON GRADE HEAT LOSS SLAB ON GRADE HEAT LOSS SLAB ON GRADE HEAT LOSS SLAB ON GRADE HEAT LOSS SLAB ON GRADE HEAT LOSS SLAB ON GRADE HEAT LOSS SLAB ON GRADE HEAT LOSS SLAB ON GRADE HEAT GAIN LEVEL FACTOR / MULTIPLIER AIR CHANGE HEAT GAIN DUCT LOSS AIR CHANGE HEAT GAIN DUCT LOSS SLAB ON GRADE HEAT GAIN DUCT GAIN HEAT GAIN PEOPLE 240 O 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	EXP. WALL CLG. HT. GRS.WALL AREA GLAZING NORTH EAST SOUTH WEST SKYLT. DOORS NET EXPOSED WALL NET EXPOSED WALL	20.4 20.4 20.4 20.4 34.2 27.0 3.9 3.9	15.1 40.7 24.1 40.7 99.9 3.7 0.5 0.5				0 26 0 0 0 234 0	26 10 260 LOSS 0 0 529 0 0 0 903	0 0 626 0 0 0 122	0 0 13 73 0 20 664	77 10 770 LOSS G 0 0 265 3 1486 2 0 541 2562 3 0	0 0 313 972 0 73 846	1 LC 20 4 0 0 0 0 0 0 0 80 3 0	110 110 100 DSS GA 407 30 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2 LC 9 1 0 0 0 0 0 0 20 5 221 8	55 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	12 0 0 0 0 118	13 10 130 LOSS 0 244 0 0 0 455	0 489 0 0 0 0 62	0 0 0 0 40 150	19 10 190 LOSS 0 0 0 0 0 1082 579 0	0 0 0 0 0 146 78	corre	Building Stand se plans have been re- ections as noted. No e without written ap	viewed for use with the other changes may be proval of the Building	e g	0 6 3 0 20 0 534	178 9  1068  LOSS GAI 61 45 0 0 122 144 61 122 0 0 541 73 0 0 2058 278
BASEMENT/CRAWL HEAT LOSS   SLAB ON GRADE HEAT LOSS   SLAB ON GRADE HEAT LOSS   SUBTOTAL HT GAIN   TASK   T	EXP. WALL CLG. HT. GRS.WALL AREA GLAZING NORTH EAST SOUTH WEST SKYLT. DOORS NET EXPOSED WALL NET EXPOSED BSMT WALL ABOVE GR	20.4 20.4 20.4 20.4 34.2 27.0 3.9 3.9 1.4	15.1 40.7 24.1 40.7 99.9 3.7 0.5 0.5				0 26 0 0 0 234 0	26 10 260 LOSS 0 0 529 0 0 0 903 0	0 0 626 0 0 0 122 0	0 0 13 73 0 20 664 0	77 10 10 10 10 10 10 10 10 10 10 10 10 10	0 0 313 972 0 73 346 0	1 LC 20 4 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	100 100 DSS GA 107 31 0	003 0 0 0 0 0 0 0 0 2 2 2	2 LC 9 1 0 0 0 0 0 20 5 221 8 0	55 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	12 0 0 0 0 118 0	13 10 130 LOSS 0 244 0 0 0 455 0	0 489 0 0 0 0 62 0	0 0 0 40 150 0	19 10 190 LOSS 0 0 0 0 0 1082 579 0	0 0 0 0 146 78 0	corre mad Stan Zoni	Building Standard Sta	viewed for use with the other changes may be proval of the Building or may be used to the most comply with 3, as amended, and the	e g h e	0 6 3 0 20 0 534	178 9  1068  LOSS GAI 61 45 0 0 122 144 61 122 0 0 541 73 0 0 2058 278 0 0
SLAB ON GRADE HEAT LOSS   1432   4882   716   1577   699   1660   1660   SUB TOTAL HT GAIN   1432   4882   716   1577   699   1660   SUB TOTAL HT GAIN   1432   4882   716   1577   699   1660   SUB TOTAL HT GAIN   1432	EXP. WALL CLG. HT. GRS.WALL AREA GLAZING NORTH EAST SOUTH WEST SKYLT. DOORS NET EXPOSED WALL NET EXPOSED CLG NO ATTIC EXPOSED CLG	20.4 20.4 20.4 20.4 34.2 27.0 3.9 3.9 1.4 2.9	GAIN  15.1 40.7 24.1 40.7 99.9 3.7 0.5 0.5 0.6 1.2				0 26 0 0 0 234 0	26 10 260 LOSS 0 0 529 0 0 903 0	0 0 626 0 0 0 122 0	0 0 13 73 0 20 664 0	77 10 770 LOSS G 0 0 265 3 1486 2 0 541 2562 3 0	0 0 313 972 0 73 346 0	1 LC 20 4 0 0 0 0 0 80 3 0 0 0 0	100 100 DSS GA 107 31 0	003 0 0 0 0 0 0 0 0 0 2 42 2 0	2 LC 9 1 0 0 0 0 20 5 221 8 0	50 50 50 SS GAIN 33 136 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	12 0 0 0 0 118 0	13 10 130 LOSS 0 244 0 0 0 0 455 0	0 489 0 0 0 0 62 0	0 0 0 40 150 0	19 10 190 LOSS 0 0 0 0 1082 579 0	0 0 0 0 146 78 0	corre mad Stan Zoni Onta	Building Standard Sta	viewed for use with the other changes may be proval of the Buildingork must comply with 3, as amended, and the as amépided. These	e g h e	0 6 3 0 20 0 534 0	178 9  1068 LOSS GAI 61 45 0 0 122 144 61 122 0 0 541 73 0 0 2058 278 0 0 0 0
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SUB TOTAL HT GAIN LEVEL FACTOR / MULTIPLIER AIR CHANGE HEAT LOSS AIR CHANGE HEAT GAIN DUCT LOSS DUCT GAIN HEAT GAIN PEOPLE 240 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	EXP. WALL CLG. HT. GRS.WALL AREA GLAZING NORTH EAST SOUTH WEST SKYLT. DOORS NET EXPOSED WALL NET EXPOSED GLG NO ATTIC EXPOSED FLOOR BASEMENT/CRAWL HEAT LOSS	20.4 20.4 20.4 20.4 34.2 27.0 3.9 3.9 1.4 2.9	GAIN  15.1 40.7 24.1 40.7 99.9 3.7 0.5 0.5 0.6 1.2				0 26 0 0 0 234 0	26 10 260 LOSS 0 0 529 0 0 903 0 0	0 0 626 0 0 0 122 0	0 0 13 73 0 20 664 0	77 10 770 LOSS G 0 0 265 3 1486 2 0 541 2562 3 0 0 29 0 0 0	0 0 313 972 0 73 346 0	1 LC 20 4 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	100 100 0SS GA 107 30 0	003 0 0 0 0 0 0 0 0 0 2 42 2 0	2 LC 9 1 0 0 0 0 20 5 221 8 0 0	55 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	12 0 0 0 0 118 0	13 10 130 LOSS 0 244 0 0 0 0 455 0 0 0	0 489 0 0 0 0 62 0	0 0 0 40 150 0	19 10 190 LOSS 0 0 0 0 1082 579 0 0	0 0 0 0 146 78 0	corre mad Stan Zoni Onta appr time	Building Standers Building Standers Branch No e without written ap dards Branch All v ing By-Law 2018-04 urio Building Code oved documents mus s. The building p	viewed for use with the other changes may be proval of the Building york must comply with 3, as amended, and the as a mechaded. These to be kept on site at a little was the state of the s	g h ee ee	0 6 3 0 20 0 534 0	178 9  1068 LOSS GAI 61 45 0 0 122 144 61 122 0 0 0 541 73 0 0 2058 278 0 0 0 0 0 0
SUB TRACTOR / MULTIPLIER   0.30 0.41   0	EXP. WALL CLG. HT. GRS.WALL AREA GLAZING NORTH EAST SOUTH WEST SKYLT. DOORS NET EXPOSED WALL NET EXPOSED GLG NO ATTIC EXPOSED FLOOR BASEMENT/CRAWL HEAT LOSS	20.4 20.4 20.4 20.4 34.2 27.0 3.9 3.9 1.4 2.9	GAIN  15.1 40.7 24.1 40.7 99.9 3.7 0.5 0.5 0.6 1.2				0 26 0 0 0 234 0	26 10 260 LOSS 0 0 529 0 0 903 0 0	0 0 626 0 0 0 122 0	0 0 13 73 0 20 664 0	77 10 770 LOSS G 0 0 265 3 1486 2 0 541 2562 3 0 0 29 0 0 0 0 0	0 0 313 972 0 73 346 0	1 LC 20 4 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	100 100 0SS GA 107 30 0	003 0 0 0 0 0 0 0 0 0 2 42 2 0	2 LC 9 1 0 0 0 0 20 5 221 8 0 0	55 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	12 0 0 0 0 118 0	13 10 130 LOSS 0 244 0 0 0 455 0 0 0	0 489 0 0 0 0 62 0	0 0 0 40 150 0	19 10 190 LOSS 0 0 0 0 1082 579 0 0 0	0 0 0 0 146 78 0	corremad Stan Zoni Onta appr time post	Bulding Stander been rections as noted. No e without written ap dards Branch. All v urio Building Code oved documents mus. The building ped on site at all times.	viewed for use with the other changes may be proval of the Buildin, rork must comply with, as amended, and the as amended. These the kept on site at all mit must be clearly the clearly the control of t	g h ee ee	0 6 3 0 20 0 534 0	178 9  1068 LOSS GAI 61 45 0 0 122 144 61 122 0 0 541 73 0 0 0 0 0 0 0 0 6400
AIR CHANGE HEAT LOSS AIR CHANGE HEAT GAIN DUCT LOSS DUCT GAIN HEAT GAIN PEOPLE 240 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	EXP. WALL CLG. HT. GRS.WALL AREA GLAZING NORTH EAST SOUTH WEST SKYLT. DOORS NET EXPOSED WALL NET EXPOSED BALL ABOVE GR EXPOSED CLG NO ATTIC EXPOSED CLG EXPOSED FLOOR BASEMENT/CRAWL HEAT LOSS SLAB ON GRADE HEAT LOSS SUBTOTAL HT LOSS	20.4 20.4 20.4 20.4 34.2 27.0 3.9 3.9 1.4 2.9	GAIN  15.1 40.7 24.1 40.7 99.9 3.7 0.5 0.5 0.6 1.2				0 26 0 0 0 234 0	26 10 260 LOSS 0 0 529 0 0 0 903 0 0 0	0 0 626 0 0 122 0 0	0 0 13 73 0 20 664 0	77 10 770 LOSS G 0 0 265 3 1486 2 0 541 2562 3 0 0 29 0 0 0 4882	0 0 313 972 0 73 846 0 0	1 1 LC 20 4 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	100 100 100 100 100 100 100 100 100 100	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2 LC 9 1 0 0 0 0 20 5 221 8 0 0	55 0 550 SSS GAIN 155 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	12 0 0 0 0 118 0	13 10 130 LOSS 0 244 0 0 0 455 0 0 0	0 489 0 0 0 0 62 0 0	0 0 0 40 150 0	19 10 190 LOSS 0 0 0 0 1082 579 0 0 0	0 0 0 0 146 78 0 0	corr mad Stan Zoni Onte appr time post	te plans have been re- sections as noted. No e without written ap dards Branch. All v ing By-Law 2018-04- urio Building Code, oved documents mus s. The building pe do n site at all times.	viewed for use with the other changes may be proval of the Buildin, ords must comply with as a mended, and the as amended. These to be clearly the BCIN Date	g h ee ee	0 6 3 0 20 0 534 0	178 9  1068 LOSS GAI 61 45 0 0 122 144 61 122 0 0 541 73 0 0 2058 278 0 0 0 0 6400
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DUCT LOSS         0	EXP. WALL CLG. HT. GRS.WALL AREA GLAZING NORTH EAST SOUTH WEST SKYLT. DOORS NET EXPOSED WALL NET EXPOSED WALL NO ATTIC EXPOSED CLG EXPOSED FLOOR BASEMENT/CRAWL HEAT LOSS SUBTOTAL HT LOSS SUBTOTAL HT GAIN	20.4 20.4 20.4 20.4 34.2 27.0 3.9 3.9 1.4 2.9	GAIN  15.1 40.7 24.1 40.7 99.9 3.7 0.5 0.5 0.6 1.2				0 26 0 0 0 234 0 0	26 10 260 LOSS 0 0 529 0 0 903 0 0 0 0	0 0 626 0 0 122 0 0	0 0 13 73 0 20 664 0 0	77 10 770 LOSS G 0 0 265 3 1486 2 0 541 2562 3 0 0 29 0 0 0 4882 3 3	0 0 0 313 972 0 73 346 0 0 12 0	1 1 LC 20 4 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	100 100 100 100 100 100 100 100 100 100	003 0 0 0 0 0 0 0 142 2 0 0 0 0	2 LC P 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	55 0 550 SSS GAIN 33 136 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	12 0 0 0 0 118 0 0	13 10 130 LOSS 0 244 0 0 0 0 455 0 0 0 0	0 489 0 0 0 0 62 0 0	0 0 0 40 150 0 0	19 10 190 LOSS 0 0 0 0 1082 579 0 0 0 0 0	0 0 0 0 146 78 0 0	corr mad Stan Zoni Onte appr time post	Bulding Stander been reserved in the plans have been reserved in the plans have been reserved in the plans as noted. Note that with the plans	viewed for use with the other changes may be proval of the Buildin, ords must comply with as a mended, and the as amended. These to be clearly the BCIN Date	g h ee ee	0 6 3 0 20 0 534 0	178 9  1068 GAI 61 45 0 0 122 142 0 0 541 73 0 0 2058 278 0 0 0 0 6400  9243 663 0.80
DUCT GAIN         0	EXP. WALL CLG. HT. GRS.WALL AREA GLAZING NORTH EAST SOUTH WEST SKYLT. DOORS NET EXPOSED WALL NET EXPOSED GLG NO ATTIC EXPOSED FLOOR BASEMENT/CRAWL HEAT LOSS SLAB ON GRADE HEAT LOSS SUB TOTAL HT GAIN LEVEL FACTOR / MULTIPLIER	20.4 20.4 20.4 20.4 34.2 27.0 3.9 3.9 1.4 2.9	GAIN  15.1 40.7 24.1 40.7 99.9 3.7 0.5 0.5 0.6 1.2				0 26 0 0 0 234 0 0	26 10 260 LOSS 0 0 529 0 0 0 903 0 0 0 0 0	0 0 626 0 0 122 0 0	0 0 13 73 0 20 664 0 0	77 10 10 10 10 10 10 10 10 10 10 10 10 10	0 0 0 313 972 0 73 346 0 0 12 0	1 1 LC 20 4 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	100 100 100 100 100 100 100 100 100 100	003 0 0 0 0 0 0 0 142 2 0 0 0 0	2 LC 1 1 2 LC 1 1 2 LC 1 LC 1	55 0 550 SSS GAIN 83 136 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	12 0 0 0 0 118 0 0	13 10 130 LOSS 0 244 0 0 0 0 455 0 0 0 0 0 0 699	0 489 0 0 0 0 62 0 0	0 0 0 40 150 0 0	19 10 190 LOSS 0 0 0 0 1082 579 0 0 0 0 0	0 0 0 0 146 78 0 0	corr mad Stan Zoni Onte appr time post	Bulding Stander been reserved in the plans have been reserved in the plans have been reserved in the plans as noted. Note that with the plans	viewed for use with the other changes may be proval of the Buildin, ords must comply with as a mended, and the as amended. These to be clearly the BCIN Date	g h ee ee	0 6 3 0 20 0 534 0	178 9  1068 GAI 61 45 0 0 122 142 0 0 541 73 0 0 2058 278 0 0 0 0 6400  9243 663 0.80
HEAT GAIN PEOPLE   240   0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	EXP. WALL CLG. HT. GRS.WALL AREA GLAZING NORTH EAST SOUTH WEST SKYLT. DOORS NET EXPOSED WALL NET EXPOSED WALL NET EXPOSED CLG NO ATTIC EXPOSED CLG NO ATTIC EXPOSED CLG SXAB ON GRADE HEAT LOSS SUBTOTAL HT LOSS SUB TOTAL HT GAIN LEVEL FACTOR / MULTIPLIER AIR CHANGE HEAT LOSS	20.4 20.4 20.4 20.4 34.2 27.0 3.9 3.9 1.4 2.9	GAIN  15.1 40.7 24.1 40.7 99.9 3.7 0.5 0.5 0.6 1.2				0 26 0 0 0 234 0 0	26 10 260 LOSS 0 0 529 0 0 0 903 0 0 0 0 0	0 0 626 0 0 122 0 0 0	0 0 13 73 0 20 664 0 0	77 10   770   LOSS G   0	0 0 313 972 0 773 346 0 0 12 0	1 1 LC 20 4 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	100 100 0SS GA 107 31 0	003 0 0 0 0 0 0 0 42 2 0 0 0	2 LC 1 1 2 LC 1 1 2 LC 1 LC 1	55 0 55 0 55 0 55 0 55 0 55 0 55 0 55	12 0 0 0 0 118 0 0	13 10 130 LOSS 0 244 0 0 0 0 455 0 0 0 0 0 0 699	0 489 0 0 0 62 0 0 0	0 0 0 40 150 0 0	19 10 190 LOSS 0 0 0 0 1082 579 0 0 0 0 0	0 0 0 0 146 78 0 0 0	corr mad Stan Zoni Onte appr time post	Bulding Stander been reserved in the plans have been reserved in the plans have been reserved in the plans as noted. Note that with the plans	viewed for use with the other changes may be proval of the Buildin, ords must comply with as a mended, and the as amended. These to be clearly the BCIN Date	g h ee ee	0 6 3 0 20 0 534 0	178 9  1068
HEAT GAIN PEOPLE   240   0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	EXP. WALL CLG, HT. GRS.WALL AREA GLAZING NORTH EAST SOUTH WEST SKYLT. DOORS NET EXPOSED WALL NET EXPOSED UG NO ATTIC EXPOSED CLG EXPOSED FLOOR BASEMENT/CRAWL HEAT LOSS SUB TOTAL HT GAIN LEVEL FACTOR / MULTIPLIER AIR CHANGE HEAT LOSS AIR CHANGE HEAT LOSS	20.4 20.4 20.4 20.4 34.2 27.0 3.9 3.9 1.4 2.9	GAIN  15.1 40.7 24.1 40.7 99.9 3.7 0.5 0.5 0.6 1.2				0 26 0 0 0 234 0 0	26 10 260 LOSS 0 0 529 0 0 0 903 0 0 0 0 0 1432	0 0 626 0 0 122 0 0 0	0 0 13 73 0 20 664 0 0	77 10 10 10 10 10 10 10 10 10 10 10 10 10	0 0 313 972 0 773 346 0 0 12 0	1 1 LCC 20 4 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	100 100 100 100 100 100 100 100 100 100	003 0 0 0 0 0 0 0 42 2 0 0 0	2 LC LC LC LC LC LC LC LC LC LC LC LC LC	55 0 55 0 55 0 55 0 55 0 55 0 55 0 55	12 0 0 0 0 118 0 0	13 10 130 LOSS 0 244 0 0 0 0 455 0 0 0 0 0 0 0 0 0 0 0 0 0	0 489 0 0 0 62 0 0 0	0 0 0 40 150 0 0	19 10 190 LOSS 0 0 0 0 1082 579 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 146 78 0 0 0	corr mad Stan Zoni Onte appr time post	Bulding Stander been reserved in the plans have been reserved in the plans have been reserved in the plans as noted. Note that with the plans	viewed for use with the other changes may be proval of the Buildin, ords must comply with as a mended, and the as amended. These to be clearly the BCIN Date	g h ee ee	0 6 3 0 20 0 534 0	178 9  1068
	EXP. WALL CLG. HT. GRS.WALL AREA GLAZING NORTH EAST SOUTH WEST SKYLT. DOORS NET EXPOSED WALL NET EXPOSED VALL NET EXPOSED CLG EXPOSED FLOOR BASEMENT/CRAWL HEAT LOSS SLAB ON GRADE HEAT LOSS SUBTOTAL HT GAIN LEVEL FACTOR / MULTIPLIER AIR CHANGE HEAT LOSS AIR CHANGE HEAT LOSS AIR CHANGE HEAT LOSS AIR CHANGE HEAT LOSS	20.4 20.4 20.4 20.4 34.2 27.0 3.9 3.9 1.4 2.9	GAIN  15.1 40.7 24.1 40.7 99.9 3.7 0.5 0.5 0.6 1.2				0 26 0 0 0 234 0 0	26 10 260 LOSS 0 0 529 0 0 0 903 0 0 0 0 0 1432	0 0 626 0 0 122 0 0 0	0 0 13 73 0 20 664 0 0	77 10 10 10 10 10 10 10 10 10 10 10 10 10	0 0 0 313 9972 0 773 846 0 0 0 112 0	1 1 LCC 20 4 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	110 110 110 110 110 110 110 110 110 110	003 0 0 0 0 0 0 0 0 42 2 0 0 0 0 0	2 LC LC LC LC LC LC LC LC LC LC LC LC LC	55 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	12 0 0 0 0 118 0 0	13 10 130 LOSS 0 244 0 0 0 0 455 0 0 0 0 0 0 0 0 0 0 0 0 0	0 489 0 0 0 62 0 0 0	0 0 0 40 150 0 0	19 10 190 LOSS 0 0 0 0 1082 579 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 146 78 0 0 0	corr mad Stan Zoni Onte appr time post	Bulding Stander been reserved in the plans have been reserved in the plans have been reserved in the plans as noted. Note that with the plans	viewed for use with the other changes may be proval of the Buildin, ords must comply with as a mended, and the as amended. These to be clearly the BCIN Date	g h ee ee	0 6 3 0 20 0 534 0	178 9  1068
TOTAL UTLIGOS DTUVI	EXP. WALL CLG. HT. GRS.WALL AREA GLAZING NORTH EAST SOUTH WEST SKYLT. DOORS NET EXPOSED WALL NET EXPOSED WALL NET EXPOSED CLG EXPOSED FLOOR BASEMENT/CRAWL HEAT LOSS SLAB ON GRADE HEAT LOSS SUBTOTAL HT CASS SUB TOTAL HT GAIN LEVEL FACTOR / MULTIPLIER AIR CHANGE HEAT LOSS AIR CHANGE HEAT LOSS OUCT LOSS DUCT GAIN	20.4 20.4 20.4 20.4 20.4 3.4.2 27.0 3.9 1.4 2.9 2.7	GAIN  15.1 40.7 24.1 40.7 99.9 3.7 0.5 0.5 0.6 1.2				0 26 0 0 0 234 0 0 0	26 10 260 LOSS 0 0 529 0 0 0 903 0 0 0 0 0 1432	0 0 626 0 0 0 122 0 0 0 0	0 0 13 73 0 20 664 0 0 10 0	77 10 10 10 10 10 10 10 10 10 10 10 10 10	0 0 0 313 972 0 773 3446 0 0 0 112 0	1 1 LCC 20 4 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	110	003 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2 LC LC LC LC LC LC LC LC LC LC LC LC LC	55 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	12 0 0 0 118 0 0 0	13 10 130 LOSS 0 244 0 0 0 0 455 0 0 0 0 0 0 0 0 0 0 0 0 0	0 489 0 0 0 0 62 0 0 0 0	0 0 0 40 150 0 0 0	19 10 190 LOSS 0 0 0 0 1082 579 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 146 78 0 0 0	corr mad Stan Zoni Onte appr time post	Bulding Stander been reserved in the plans have been reserved in the plans have been reserved in the plans as noted. Note that with the plans	viewed for use with the other changes may be proval of the Buildin, ords must comply with as a mended, and the as amended. These to be clearly the BCIN Date	g h ee ee	0 6 3 0 20 0 534 0 0	178 9  1068 LOSS GAI 61 45 0 0 122 144 61 122 0 0 541 73 0 0 2058 276 0 0 0 0 0 0 6400  9243 663 0.80 7412 37 0 0 0 0 0 0
TOTAL HT LOSS BTU/H 2012 6862 1006 2216 983 2334 1 16655	EXP. WALL CLG. HT. GRS.WALL AREA GLAZING NORTH EAST SOUTH WEST SKYLT. DOORS NET EXPOSED WALL NET EXPOSED WALL NET EXPOSED CLG NO ATTIC EXPOSED CLG NO ATTIC EXPOSED CLG SASEMENTICRAWL HEAT LOSS SLAB ON GRADE HEAT LOSS SUBTOTAL HT LOSS SUBTOTAL HT LOSS AIR CHANGE HEAT LOSS AIR CHANGE HEAT LOSS AIR CHANGE HEAT LOSS DUCT GAIN HEAT GAIN PEOPLE	20.4 20.4 20.4 20.4 20.4 3.4.2 27.0 3.9 1.4 2.9 2.7	GAIN  15.1 40.7 24.1 40.7 99.9 3.7 0.5 0.5 0.6 1.2				0 26 0 0 0 234 0 0 0	26 10 260 LOSS 0 0 529 0 0 0 903 0 0 0 0 0 1432	0 0 626 0 0 122 0 0 0 0 748	0 0 13 73 0 20 664 0 0 10 0	77 10 10 10 10 10 10 10 10 10 10 10 10 10	0 0 0 313 972 0 773 3446 0 0 0 112 0	1 1 LCC 20 4 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	110 100 100 100 100 100 100 100 100 100	003 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2 LC LC LC LC LC LC LC LC LC LC LC LC LC	55 0 550 55S GAIN 83 136 0	12 0 0 0 118 0 0 0	13 10 130 LOSS 0 244 0 0 0 0 455 0 0 0 0 0 0 0 0 0 0 0 0 0	0 489 0 0 0 0 62 0 0 0 0 0	0 0 0 40 150 0 0 0	19 10 190 LOSS 0 0 0 0 1082 579 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 146 78 0 0 0 0	corr mad Stan Zoni Onte appr time post	Bulding Stander been reserved in the plans have been reserved in the plans have been reserved in the plans as noted. Note that with the plans	viewed for use with the other changes may be proval of the Buildin, ords must comply with as a mended, and the as amended. These to be clearly the BCIN Date	g h ee ee	0 6 3 0 20 0 534 0 0	178 9  1068 LOSS GAI 61 45 0 0 122 144 61 122 0 0 541 73 0 0 0 0 0 0 0 0 6400  9243 663 0.80 7412 37 0 0 0 0 0 0 0 0 6600 6612
TOTAL HT GAIN x 1.3 BTU/H 1822 5898 1269 1241 755 308 1700	EXP. WALL CLG. HT. GRS.WALL AREA GLAZING NORTH EAST SOUTH WEST SKYLT. DOORS NET EXPOSED WALL NET EXPOSED WALL NET EXPOSED CLG NO ATTIC EXPOSED CLG NO ATTIC EXPOSED CLG SASEMENTICRAWL HEAT LOSS SLAB ON GRADE HEAT LOSS SUBTOTAL HT LOSS SUBTOTAL HT LOSS AIR CHANGE HEAT LOSS AIR CHANGE HEAT LOSS AIR CHANGE HEAT LOSS DUCT GAIN HEAT GAIN PEOPLE	20.4 20.4 20.4 20.4 20.4 3.4.2 27.0 3.9 1.4 2.9 2.7	GAIN  15.1 40.7 24.1 40.7 99.9 3.7 0.5 0.5 0.6 1.2				0 26 0 0 0 234 0 0 0	26 10 260 LOSS 0 0 529 0 0 0 903 0 0 0 0 0 1432	0 0 626 0 0 122 0 0 0 0 748	0 0 13 73 0 20 664 0 0 10 0	77 10 10 10 10 10 10 10 10 10 10 10 10 10	0 0 0 313 972 0 773 3446 0 0 0 112 0	1 LC	110 100 100 100 100 100 100 100 100 100	003 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2 LC LC C C C C C C C C C C C C C C C C	55 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	12 0 0 0 118 0 0 0	13 10 130 LOSS 0 244 0 0 0 0 455 0 0 0 0 0 0 0 0 0 0 0 0 0	0 489 0 0 0 0 62 0 0 0 0 0	0 0 0 40 150 0 0 0	19 10 190 LOSS 0 0 0 0 1082 579 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 146 78 0 0 0 0	corr mad Stan Zoni Onte appr time post	Bulding Stander been reserved in the plans have been reserved in the plans have been reserved in the plans as noted. Note that with the plans	viewed for use with the other changes may be proval of the Buildin, ords must comply with as a mended, and the as amended. These to be clearly the BCIN Date	g h ee ee	0 6 3 0 20 0 534 0 0	178 9  1068 LOSS GAI 61 45 0 0 122 144 61 122 0 0 541 73 0 0 2058 276 0 0 0 0 0 0 6400  9243 663 0.80 7412 37 0 0 0 0 0 0

TOTAL HEAT GAIN BTU/H:

31144

TONS: 2.60

LOSS DUE TO VENTILATION LOAD BTU/H: 2097

STRUCTURAL HEAT LOSS: 48202

TOTAL COMBINED HEAT LOSS BTU/H: 50298

Muhal Offmile.



HALDER GREEPWAY CAME   131   1			TRINAR						TVDE:	GI ENIM/	\V 7A			DATE:	Feb-19			GFA:	3317	LO#	81523				
Sign   Column   Process   Colu	HEATING CFM TOTAL HEAT LOSS AIR FLOW RATE CFM	1131 48,202 23.46	Α	COO TOTAL H	LING CFM EAT GAIN RATE CFM	30,861 36.65		/ a	furnace furn a/c coil vailable	pressure nace filter pressure pressure	0.6 0.05 0.2			DATE.	105-10		C	MEC960 FAN	#0 603BNA I SPEED LOW	SOODMA		OUTPUT	(BTU/H) = (BTU/H) =	60,000 <b>57,600</b>	
Miles   Mile								ple	num pre	ssure s/a	0.18		r/a	pressure	0.17							DESI			
## SEAN PROPERTY OF PROPERTY O	R/A	ő	0	5	3			max	s/a dif p	ress. loss	0.02		grille pre	ss. Loss	0.02				JM HIGH	1131	т	FMPFRAT	_		۰F
ROOM NAME       RRF   ENS   WIC					Jul.			min auju	isieu pre	ssuic s/a	0.10	auj		33016 1/a											
MILIOSE MIRMS   58   146   0.54   1.33   1.41   1.28   1.10   1.21   0.56   1.65   1.47   1.41   2.01   2.29   2.29   1.01   2.22   2.38   2.32   2.29   4.15   4.16   4.1	RUN#	1	2	3			-	-																	
CHAINEMENT   STATE																									
Comparison of Comparison of	1																								
ACQUIRED PRESSURE   0.17   0.1																									
ACTUAL DUTY ICH   22   54   42   42   54   60   51   20   46   61   51   57   7   47   42   30   28   27   38   48   46   45   24   15    TOTAL EPECTIVE LEWSTH   220   282   127   200   181   100   100   150   100   110   170   100   110   170   100   100   150   100																									
ESUMALEPH LENGTH   170   160   160   140   120   170   140   190   160   150   130   140   130   170   100   100   150   150   100   140   110   170   170   120	•																								
ADJUSTIC PRESSURE   0.07   0.08   0.09   0.09   0.1   0.08   0.09   0.18   0.1   0.08   0.09   0.1																									
ROUND DUCT SIZE    8   5   4   6   5   5   4   6   5   5   4   6   6   6   6   6   6   6   6   6	TOTAL EFFECTIVE LENGTH	232	214	202	182	174																			
INCATING VELOCITY (Winning)   189   250   149   158   242   220   298   149   149   189   250   242   240   398   396   176   382   244   404   396   500	1																								
COULTE FIRE LISTER   ALI   A	1							•		•	_	-				-						•			
OUTLET FRUIK SIZE    SUPPLY AIR TRUNK SIZE   STRUKE   COUNTER SIZE   STRUKE   COUNTER SIZE   COU																									
TRUME   A B B B D C D B D A D D D A A B D C C A A B B D C C C C A A B B D C C C C A A B B D C C C C A A B B D C C C C A A B B D C C C C A A B B D C C C C A A B B D C C C C C C C C C C C C C C C C C	, ,																								
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ROOM NAME RM (SSS 188H- 1.26 GFM PER RUN HEAT 1 30 GFM PER RUN COLLING ADJUSTED PRESSURE OF REPRESSURE OF REPRESSURE CFM PER RUN HEAT 1 1.76 GFM PER RUN COLLING 64 ADJUSTED PRESSURE OF RUN HEAT 1 1.76 GFM PER RUN COLLING 64 ADJUSTED PRESSURE OF RUN HEAT 1 1.76 GFM PER RUN COLLING 64 ADJUSTED PRESSURE OF RUN HEAT 1 1.76 GFM PER RUN COLLING 65 ADJUSTED PRESSURE OF RUN HEAT 1 1.76 GFM PER RUN COLLING 66 ADJUSTED PRESSURE OF RUN HEAT 1 1.76 GFM PER RUN COLLING 67 ADJUSTED PRESSURE OF R	DIIN#	25																			_				
GEN PER RUN HEAT 1 70																					<u></u>	$\Rightarrow$ Eas	t Gwil	limbur	v l
RM GAIN MBH 1	RM LOSS MBH.	1.26																				_ \			-
ADJUSTED PRESSURE ACTUAL DUCT LGA ADJUSTED PRESSURE ACTUAL DUCT LGA ADJUSTED PRESSURE ACTUAL DUCT LGA ADJUSTED PRESSURE ACTUAL DUCT LGA ADJUSTED PRESSURE ACTUAL DUCT LGA ADJUSTED PRESSURE ACTUAL DUCT LGA ADJUSTED PRESSURE ACTUAL DUCT LGA ADJUSTED PRESSURE ACTUAL PRESSURE ADJUSTED PRESSURE ACTUAL PRESSURE ADJUSTED PRE	1																				Our town, Our	· faure			
ACTUAL DUT LOH. EQUIVALENT LENSITH  ACTUAL DUT LOH. EQUIVALENT LENSITH  ADJUSTED PRESSURE  ROWND DUT SIZE  HEATING VELOCITY (filmin)  TRUNK A  334 0.07 9.5 12 X 8 501  TRUNK C  TRUNK																					Th!	lana basa ba		l Communication	alla a
ACTUAL DUCT LENGTH EQUIVALENT LEIGHT TOTAL EFFECTIVE LENGTH TOTAL EF																									
ELECTIVE LENGTH   10   224   225   226   226   226   226   227   2	1																								
ADJUSTED PRESSURE   0.08   RROUND DUCT SIZE   1																									
ROUND DUCT SIZE   FEATING PLOCOLTY ((furthin)   220   220   221																									
HEATING VELOCITY (minh)   220   COLING VELOCITY (minh)   470   OUTLET GRILL SIZE   3X10   STATIC COUNT (minh)   COLING VELOCITY (minh)   COLING	1																				times.	The buildin	s musi de k ng permit i	ept on site a nust be cle	arly
COUNTET GRILL SIZE   SATIO   COUNTET GRILL SIZE   SATIO   COUNTET GRILL SIZE   SATIO   COUNTET GRILL SIZE   SATIO   COUNTET GRILL SIZE   SATIO   COUNTET GRILL SIZE   SATIO   COUNTET GRILL SIZE   SATIO   COUNTET GRILL SIZE   SATIO   COUNTET GRILL SIZE   SATIO   COUNTET GRILL SIZE   SATIO   COUNTET GRILL SIZE   SATIO   COUNTET GRILL SIZE   TRUNK STATIC   COUNTET GRILL SIZE   COUNTE	1	1																			posted o	n site at all	times.		
SUPPLY AIR TRUNK SIZE	COOLING VELOCITY (ft/min)	470																					eviewer BC	IN Date	
SUPPLY AIR TRUNK SIZE    TRUNK   STATIC   CFM   PRESS   DUCT   DUCT   (Windin)   TRUNK   G M   PRESS   DUCT   DUCT   TRUNK   DUCT   DUCT   (Windin)   TRUNK   G M   PRESS   DUCT   DUCT   TRUNK   G M   PRESS   DUCT   DUCT   TRUNK   DUCT   DUCT   DUCT   DUCT   TRUNK   DUCT   DU																						n.	Authier 432	236 2021-02	1-05
SUPPLY AIR TRUNK SIZE	IRUNK	<u> </u>										·		<del></del>								System			_
CFM   PRESS   DUCT   DUCT   CFM   D	SUPPLY AIR TRUNK SIZE																	RETURN A			Zonnig				***************************************
TRUNK A 334 0.07 9.6 12 X 8 501 TRUNK G 0 0.00 0 0 X 8 0 TRUNK G 0 0.00 0 0 X 8 0 TRUNK G 0 0.05 0 0 X 8 0 TRUNK G 138 0.08 6.7 8 X 8 8 311 TRUNK G 138 0.08 6.7 8 X 8 8 311 TRUNK G 138 0.08 6.7 8 X 8 8 311 TRUNK G 138 0.08 6.7 8 X 8 8 311 TRUNK G 138 0.08 6.7 8 X 8 8 311 TRUNK G 138 0.08 6.7 8 X 8 8 311 TRUNK G 138 0.08 6.7 8 X 8 8 311 TRUNK G 138 0.08 6.7 8 X 8 8 311 TRUNK G 138 0.08 6.7 8 X 8 8 311 TRUNK G 138 0.08 6.7 8 X 8 8 311 TRUNK G 138 0.08 6.7 8 X 8 8 31 TRUNK G 138 0.08 6.7 8 X 8 8 31 TRUNK G 138 0.08 6.7 8 X 8 8 31 TRUNK G 138 0.08 6.7 8 X 8 8 31 TRUNK G 138 0.08 6.7 8 X 8 8 31 TRUNK G 138 0.08 6.7 8 X 8 8 31 TRUNK G 138 0.08 6.7 8 X 8 8 31 TRUNK G 138 0.08 6.7 8 X 8 0 TRUNK G 138 0.08 0.08 6.08 6.08 6.08 6.08 6.08 6.0			•																		DUCT	DUCT			
TRUNK B 660 0.07 12.4 18 X 8 660 TRUNK H 0 0.00 0 0 X 8 0 TRUNK Q 0 0.05 0 0 X 8 0 TRUNK Q Q 0.05 0 0 X 8 0 TRUNK Q Q 0.05 0 0 X 8 0 TRUNK Q Q 0.05 0 0 X 8 0 TRUNK Q Q 0.05 0 0 X 8 0 TRUNK Q Q 0.05 0 0 X 8 0 TRUNK Q Q 0.05 0 0 X 8 0 TRUNK Q Q 0.05 0 0 X 8 0 TRUNK Q Q 0.05 0 0 X 8 0 TRUNK Q Q 0.05 0 0 X 8 0 TRUNK Q Q 0.05 0 0 X 8 0 TRUNK Q Q 0.05 0 0 X 8 0 TRUNK Q Q 0.05 0 0 X 8 0 TRUNK Q Q 0.05 0 0 X 8 0 TRUNK Q Q 0.05 0 0 X 8 0 TRUNK Q Q 0.05 0 0 X 8 0 TRUNK Q Q 0.05	TRUNK A					x	8			TRUNK G					x	8		TRUNK O					x	8	1
TRUNK D 474 0.08 10.6 14 X 8 609 TRUNK J 0 0.00 0 0 X 8 0 TRUNK K 0 0.00 0 0 X 8 0 TRUNK K 0 0.00 0 0 X 8 0 TRUNK K 0 0.00 0 0 X 8 0 TRUNK K 0 0.00 0 0 X 8 0 TRUNK K 0 0.00 0 0 X 8 0 TRUNK K 0 0.00 0 0 X 8 0 TRUNK K 0 0.00 0 0 X 8 0 TRUNK K 0 0.00 0 0 X 8 0 TRUNK K 0 0.00 0 0 X 8 0 TRUNK K 0 0.00 0 0 X 8 0 TRUNK K 0 0.00 0 0 X 8 0 TRUNK K 0 0.00 0 X 8 TRUNK K 0 0.00 0 X 8 0 TRUNK K 0 0.00 0 X 8 0 TRUNK K 0 0.00 0 X 8 0 TRUNK K 0 0.0	•						8			TRUNK H	Ö		Ō	Ō	X	8	0		Ö	0.05	0	0	x	8	0
TRUNK E 0 0.00 0 0 0 X 8 0 0 TRUNK K 0 0.00 0 0 X 8 0 TRUNK K 0 0.00 0 0 X 8 0 TRUNK K 0 0.00 0 0 X 8 0 TRUNK K 0 0.00 0 0 X 8 0 TRUNK K 0 0.00 0 0 X 8 0 TRUNK K 0 0.00 0 0 X 8 0 TRUNK K 0 0.00 0 0 X 8 0 TRUNK K 0 0.00 0 0 X 8 0 TRUNK K 0 0.00 0 0 X 8 0 TRUNK K 0 0.00 0 0 X 8 0 TRUNK K 0 0.00 0 0 X 8 0 TRUNK K 0 0.00 X 8 0 TRU	1						-							•		_	•							-	
TRUNK F 0 0.00 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0							•							-			-				-			-	-
RETURN AIR # 1 2 3 4 5 6 7 8 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1	-			-			-			-			-		-	_							-	
RETURN AIR # 1 2 3 4 5 6 7 8 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	L		-133											·············				TRUNK U		0.05		0		-	
AIR VOLUME   115   85   115   85   85   155   155   155   155   0   0   0   0   0   0   0   0   0	RETURN AIR #	1		3	4	5	6	7	8								BR	4							
PLENUM PRESSURE 0.15 0.15 0.15 0.15 0.15 0.15 0.15 0.15	- SINT DIST	ö		_				ó	-	0	0	0	0	0	0	0									
ACTUAL DUCT LGH. 61 48 56 51 54 36 35 33 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	l .																								
EQUIVALENT LENGTH 205 185 225 205 185 210 205 210 0 0 0 0 0 0 0 0 135  TOTAL EFFECTIVE LH 266 233 281 256 239 246 240 243 1 1 1 1 1 1 1 1 1 149  ADJUSTED PRESSURE 0.06 0.06 0.05 0.06 0.06 0.06 0.06 0.06												0.15	0.15					1							
TOTAL EFFECTIVE LH 266 233 281 256 239 246 240 243 1 1 1 1 1 1 1 1 149 ADJUSTED PRESSURE 0.06 0.06 0.05 0.06 0.06 0.06 0.06 0.06										•	-	T O	1 n		-			DROP	1131	0.05	10.5	24	х	10	0/9
ADJUSTED PRESSURE 0.06 0.06 0.06 0.06 0.06 0.06 0.06 0.0											-	1													
INLET GRILL SIZE 8 8 8 8 8 8 8 8 8 0 0 0 0 0 0 8 X X X X										14.80	14.80	14.80	14.80	14.80	14.80	14.80									
X X X X X X X X X X X X X X X X X X X			-							-		-	•	-		-	•								
	INLET GRILL SIZE	•			-				_		-														
	INLET GRILL SIZE																								



TYPE:

GLENWAY 7A

SITE NAME: T

TRINAR HALL HOMES

LO# 81523

## RESIDENTIAL MECHANICAL VENTILATION DESIGN SUMMARY

COM	BUSTION APPLIANCES				9.32.3.1(1)	SUPPLEMENTAL	VENTILATI	ON CAPACITY			9.32.3.	<b>5.</b>		
a)	Direct vent (sealed co	mbustion) only				Total Ventilation Ca	pacity		212	_	cfm			
b)	Positive venting induc	ed draft (except	t fireplaces)			Less Principal Venti	I. Capacity		95.4		cfm			
c)	Natural draft, B-vent o	r induced draft o	gas fireplace			Required Suppleme	ntal Capaci	ity	116.6		cfm			
d)	Solid Fuel (including fi	replaces)				PRINCIPAL EXHAL	IST FAN C	APACITY				ا ا		
e)	No Combustion Applia	nces				Model:		NEE 65H	Location:		SMT			
L	<del></del>					Wodel.		INCE OUT	Location		OIVIT	┨		
HEA	TING SYSTEM					95.4	cfm	3.0	sones	<b>✓</b> H	HVI Approve	t l		
	Forced Air		Non Forced	Air		PRINCIPAL EXHAU	JST HEAT	LOSS CALCUL			% LOSS	‡		
						95.4 CFM	Х	81 F	X 1.08	х	0.25			
	Electric Space Heat					SUPPLEMENTAL I	FANS		PANASON	IC:		7		
						Location		Model	cfm	HVI	Sones			
HOU	SE TYPE				9.32.1(2)	ENS	***************************************	FV-05-11VK1	50	1	0.3	]		
						ENS-2		FV-05-11VK1	50	1	0.3	]		
	✓ I Type a)	or b) appliance o	only, no solid fu	el		ENS-3		FV-05-11VK1	50	1	0,3	4		
	II Type I ex	cept with solid	fuel (including f	ireplaces)		PWD		FV-05-11VK1	50		0.3	_		
		e c) appliance				HEAT RECOVERY Model:	VENTILAT	OR VANEE 65H			9.32.3.1	i.		
	III Ally Type	s c) appliance				155		cfm high	64		cfm low	-		
	IV Type I, o	r II with electric	space heat				_	-		_ 				
	Other: Type I, II or IV	no forced air				75	<del></del>	Sensible Efficien 32 deg F ( 0 deg	•		IVI Approve	1		
						LOCATION OF INS	TALLATIO	.NI				_		
SYS	TEM DESIGN OPTIONS				O.N.H.W.P.		TALLATIO	IN .						
			O. atam			Lot:			Concession			4		
	1 Exhaust	only/Forced Air	System			Township			Plan:					
	2 HRV with	Ducting/Force	d Air System			Address								
	3 HRV Sin	plified/connecte	ed to forced air	system					D. 11.11 D.			1		
	4 HRV with	n Ducting/non fo	orced air systen	n		Roll #			Building Pe		East G	willi	mbu	ırv
	Part 6 I	Design				BUILDER:	GF	REENPARK HOM	MES		Building Stand			
						Name:				These plans	have been rev	riewed fo	or use w	ith t
тот	AL VENTILATION CAPACITY	,			9.32.3.3(1)	Address:				corrections made witho	as noted. No ut written app	other ch proval of	nanges m f the Bu	nay iildi
	Basement + Master Bedroon	n 2	@ 21.2 cfm	42.4	cfm	City:				Zoning By-	ranch. All w Law 2018-043 illding Code,	, as ame	ended, ai	nd t
	Other Bedrooms		@ 10.6 cfm	42.4	cfm	Telephone #:			Fax #:	approved do	ocuments must building per	be kept	t on site	at
									T GAT.	•	te at all times.	n on t		
	Kitchen & Bathrooms	6	. @ 10.6 cfm	63.6	cfm	INSTALLING CONT	TRACTOR			Discipline Building Co	11.7100110			
	Other Rooms	6	@ 10.6 cfm	63.6	cfm	Name:				Sewage Syst Zoning	tem			_
	Table 9.32.3.A.		TOTAL	212.0	cfm	Address:						<del> </del>		
						City:								
PRIN	ICIPAL VENTILATION CAPA	CITY REQUIRE	ED		9.32.3.4.(1)	Telephone #:			Fax #;			7		
	1 Bedroom			31.8	cfm				Γαλ #,			_		
	2 Bedroom			47.7	cfm	DESIGNER CERTII I hereby certify that		tion system has t	peen designed					
	3 Bedroom			63.6	cfm	in accordance with the Name:	the Ontario	Building Code.	-					
							Н	VAC Designs Ltd	·	r		1		
	4 Bedroom			79.5	cfm	Signature:		M	Mahad Oxford	ě.				
	5 Bedroom			95.4	cfm	HRAI#			001820			4		
	I DEVIEW AND TAKE DEED	TOTAL		cfm	LIEIED IN THE A	Date:	V.OTHED DE	SIGNED" LINIDED DIV	February-19	III DING COD	-			
	I REVIEW AND TAKE RESP	ONIBILITY FOR THE	PESIGN WORK A	AND MIN QUA	FILIED IN THE A	AFFROPRIATE CATEGORY AS AF	A OTHER DE	SIGNER UNDER DIV	ISION C, 3.2.5 OF THE B	שויים הסח	E.			

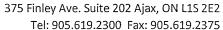
INDIVIDUAL BCIN: 19669
Metal Office.

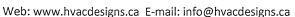
MICHAEL O'ROURKE



			CSA F28	30-12 Residential Hea	t Loss and Heat Gain	Calculations								
**************************************			Form	ula Sheet (For Air Lea	kage / Ventiliation C	alculation)								
LO#: 8	1523	Model: GLENWAY 7A			r: GREENPARK HOMES		Date: 2/22/2019							
		Volume Calculation	1		T	Air Change & Delt	a T Data							
House Volume Level Bsmt	Floor Area (ft²) 1502	Floor Height (ft)	Volume (ft³) 13518			WINTER NATURAL AIR CHANG SUMMER NATURAL AIR CHANG								
First	1502	10	15020											
Second	1815	9	16335				emperature Difference							
Third	0	9	0			Tin °C	Tout °C ΔT °C ΔT °F							
Fourth	0	9	0		1	Winter DTDh 22	-23 45 81							
		Total:	44,873.0 ft <sup>3</sup>			Summer DTDc 24	30 6 11							
		Total:	1270.7 m³		1									
	F 2 2	1 Heat Less due +- A!-	Lockoro			6.2.6 Sonsible Cain due	to Air Lookogo							
	5.2.3	.1 Heat Loss due to Air	Leakage			6.2.6 Sensible Gain due	to All reakage							
0.227		$LR_{airh} \times \frac{V_b}{3.6} \times D$ $\times \frac{45  ^{\circ}\text{C}}{}$		= 4345 W = 14824 Btu/h	H = 0.063	$G_{salb} = LR_{airc} \times \frac{V_b}{3.6} \times DTD_c$ : $x = \frac{352.96}{2.00} \times \frac{6 \text{ °C}}{2.00}$								
	5 2 3 2 Hes	at Loss due to Mechan	cal Ventilation			6.2.7 Sensible heat Gain d	ue to Ventilation							
	3,2,3,2 1100	at 2005 due to Mechan	car ventuation											
	$HL_{vairb} = $	$PVC \times DTD_h \times 1$	$08 \times (1-E)$		$HL_{vairb} = PVC \times DTD_h \times 1.08 \times (1 - E)$									
95 CFM	x <u>81°F</u>	x <u>1.08</u>	x <u>0.25</u>	= 2097 Btu/h	95 CFM x 11 °F x 1.08 x 0.25 = 283 Btu/h									
			5.2.3.3 Calcula	tion of Air Change Heat I	Loss for Each Room (Floo	or Multiplier Section)								
		$HL_{ai}$	r = Level Facto	or $\times$ $HL_{airbv}$ $\times$ {( $H$	$L_{agcr} + HL_{bgcr}) \div ($	$(HL_{agclevel} + HL_{bgclevel})$								
		Level	Level Factor (LF)	HLairve Air Leakage + Ventilation Heat Loss (Btu/h)	Level Conductive Heat Loss: (HL <sub>clevel</sub> )	Air Leakage Heat Loss Multiplier (LF x HLairbv / HLlevel)	East Gwillimbury							
		1	0.5		9,243	0.802	Building Standards Branch BCIN #16487							
		2	0.3		10,966	0.406	One tower, Over fastre							
		3	0.2	14,824	12,679	0.234	These plans have been reviewed for use with the							
		4	0	·	0	0.000	corrections as noted. No other changes may be made without written approval of the Building							
		5	0		0	0.000	Standards Branch. All work must comply with							
		*HLairbv = Ai	r leakage heat loss +	r ventilation heat loss entilation system HLairve			Zoning By-Law 2018-043, as amended, and the Ontario Building Code, as amehded. These approved documents must be kept on site at all times. The building permit must be clearly posted on site at all times.							

Discipline	Reviewer	BCIN	Date
Building Code	H. Authier	43236	2021-02-05
Sewage System			
Zoning			





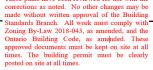


DESIGNS LTD.

MODEL: **GLENWAY 7A BUILDER: GREENPARK HOMES** SFQT: 3317 LO# 81523 **SITE: TRINAR HALL HOMES DESIGN ASSUMPTIONS** °F **HEATING** COOLING °F OUTDOOR DESIGN TEMP. -9 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: **EAST** ASSUMED (Y/N): Υ AIR CHANGES PER HOUR: 2.50 ASSUMED (Y/N): Υ AIR TIGHTNESS CATEGORY: **TIGHT** ASSUMED (Y/N): Υ WIND EXPOSURE: **SHELTERED** ASSUMED (Y/N): HOUSE VOLUME (ft<sup>3</sup>): 44873.0 ASSUMED (Y/N): Υ **INTERNAL SHADING: BLINDS/CURTAINS ASSUMED OCCUPANTS:** 6 INTERIOR LIGHTING LOAD (Btu/h/ft²): 1.27 DC BRUSHLESS MOTOR (Y/N): FOUNDATION CONFIGURATION BCIN\_1 **DEPTH BELOW GRADE:** 6.0 ft LENGTH: 54.0 ft WIDTH: 35.0 ft **EXPOSED PERIMETER:** 178.0 ft

2012 OBC - COMPLIANCE PACKAGE			
Canada de la companya della companya della companya de la companya de la companya della companya		Compliance	•
Component			SYSTAR
		Nominal	Min. Eff.
Ceiling with Attic Space Minimum RSI (R)-Value		60	59.20
Ceiling Without Attic Space Minimum RSI (R)-Value		31	27.70
Exposed Floor Minimum RSI (R)-Value		31	29.80
Walls Above Grade Minimum RSI (R)-Value		R22+R5	21.10
Basement Walls Minimum RSI (R)-Value		20	21.12
Below Grade Slab Entire surface > 600 mm below grade	e Minimum RSI (R)-Value	-	-
Edge of Below Grade Slab ≤ 600 mm Below Grade Mini	mum RSI (R)-Value	10	10
Heated Slab or Slab ≤ 600 mm below grade Minimum R	RSI (R)-Value	10	11.13
Windows and Sliding Glass Doors Maximum U-Value	Town of	ZONE 2	-
Skylights Maximum U-Value	Eustri Gwillimbury  Bulding Standards Branch BCIN #16487	ZONE 2	-
Space Heating Equipment Minimum AFUE	During Statistics Drait # 1046/	0.96	-
HRV Minimum Efficiency	These plans have been reviewed for use with the	75%	-
Domestic Hot Water Heater Minimum EF	corrections as noted. No other changes may be made without written approval of the Building Standards Branch. All work must comply with	0.9	-

INDIVIDUAL BCIN: 19669 MICHAEL O'ROURKE



Discipline	Reviewer	BCIN	Date
Building Code	H. Authier	43236	2021-02-05
Sewage System			
Zoning			





## **Residential Foundation Thermal Load Calculator**

Supplemental tool for CAN/CSA-F280

We	ather Sta	tion Description				
Province:	Ontario					
Region:	Bradford		_			
	Site D	escription				
Soil Conductivity:	Normal	conductivity: dry sand, loam, clay				
Water Table:	Normal (	7-10 m, 23-33 ft)				
	oundatio	n Dimensions				
Floor Length (m):	16.5					
Floor Width (m):	10.7					
Exposed Perimeter (m):	0.0					
Wall Height (m):	2.7					
Depth Below Grade (m):	1.83	Insulation Configuration				
Window Area (m²):	1.1			Town of	.11.	1
Door Area (m²):	1.9	·	Oter term, Our fatter	ast Gv Building Standar		-
	Radi	ant Slab	nese plans have rrections as ne ade without w	oted. No c ritten appr	ther char oval of t	nges may b he Buildin
Heated Fraction of the Slab:	0	Zc Or ap tin	andards Branc oning By-Law ntario Buildir proved docum nes. The buil osted on site at	2018-043, ng Code, nents must lding pern	as ameno as amen be kept o	ded, and the ded. Thes on site at a
Fluid Temperature (°C):	33	E B	Discipline Building Code	Reviewer H. Authier	BCIN 43236	Date 2021-02-05
	Desig		ewage System oning			
Heating Month	1			1	1	
	Founda	ation Loads				
Heating Load (Watts):		1875				

**TYPE:** GLENWAY 7A **LO#** 81523



## **Air Infiltration Residential Load Calculator**

Supplemental tool for CAN/CSA-F280

Weath	ner Station Description	
Province:	Ontario	
Region:	Bradford	
Weather Station Location:	Open flat terrain, gra	SS
Anemometer height (m):	10	
	Local Shielding	
Building Site:	Suburban, forest	
Walls:	Heavy	
Flue:	Heavy	
Highest Ceiling Height (m):	6.71	
Buil	lding Configuration	
Type:	Detached	
Number of Stories:	Two	
Foundation:	Full	
House Volume (m³):	1270.7	
Air L	eakage/Ventilation	
Air Tightness Type:	Energy Star Detached	d (2.5 ACH)
Custom BDT Data:	ELA @ 10 Pa.	1186.2 cm <sup>2</sup>
	2.50	ACH @ 50 Pa
Mechanical Ventilation (L/s):	Total Supply	Total Exhaust
	45.0	45.0
	Flue Size	
Flue #:	#1 #2 #3	#4
Diameter (mm):	0 0 0	0
Natu	ral Infiltration Rates	Town of

0.227

0.063

**TYPE:** GLENWAY 7A **LO#** 81523

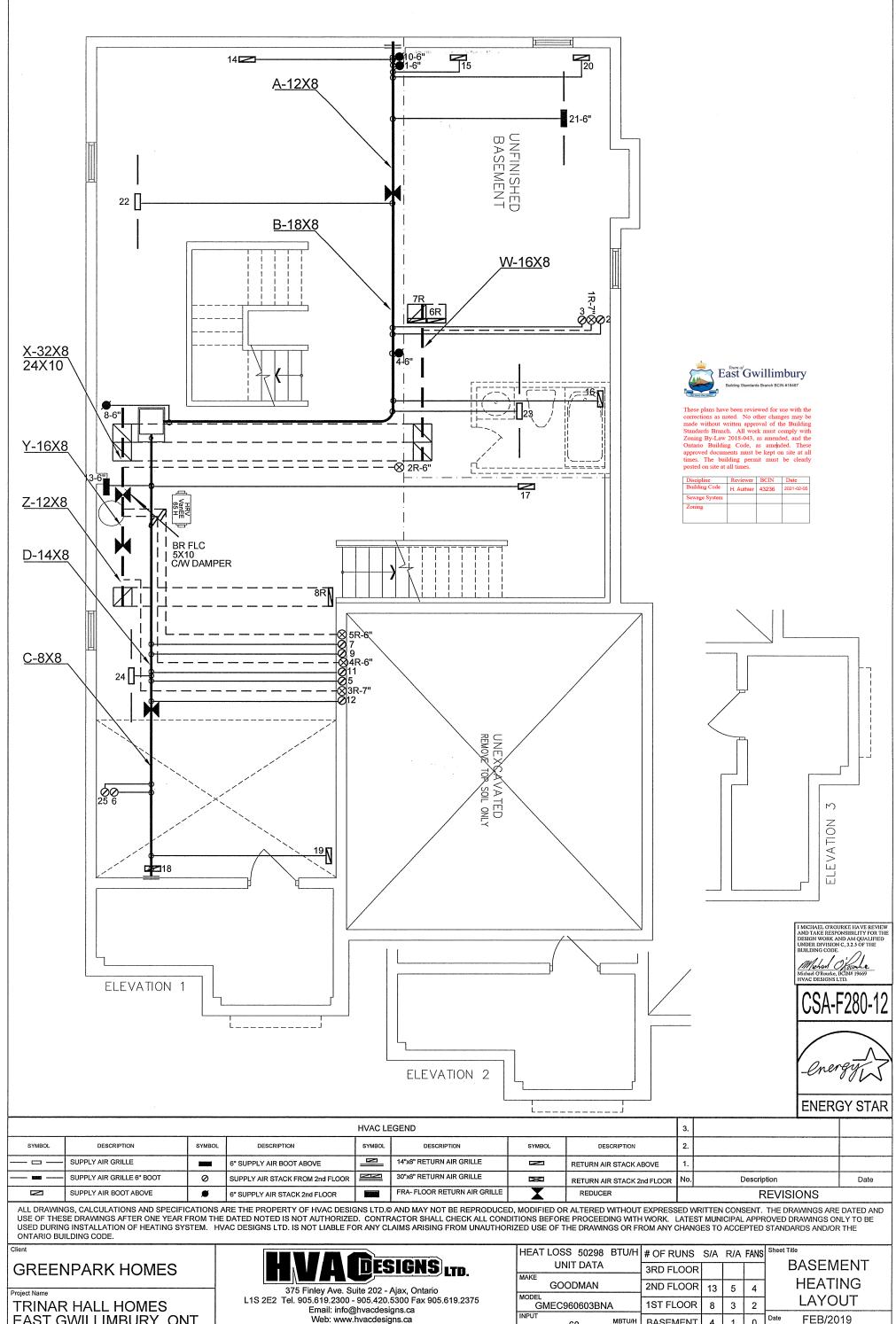
Heating Air Leakage Rate (ACH/H):

Cooling Air Leakage Rate (ACH/H):



These plans have been reviewed for use with the corrections as noted. No other changes may be made without written approval of the Building Standards Branch. All work must comply with Zoning By-Law 2018-043, as amended, and the Ontario Building Code, as amended. These approved documents must be kept on site at all times. The building permit must be clearly posted on site at all times.

Discipline	Reviewer	BCIN	Date
Building Code	H. Authier	43236	2021-02-05
Sewage System			
Zoning			



EAST GWILLIMBURY, ONT.

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 50298	BTU/H	# OF RUNS	S/A	R/A	FANS	Sheet Title		
		INIT DATA		3RD FLOOR				∣ B <i>P</i>	ASEMENT	
	MAKE G(	OODMAN		2ND FLOOR	13	5	4	F	IEATING	
	MODEL GMEC	C960603BN	Α	1ST FLOOR	8	3	2	L	_AYOUT	
	INPUT	60	MBTU/H	BASEMENT	4	1	0	Date	FEB/2019	
-	OUTPUT		MBTU/H	ALL S/A DIFFUS	SERS	4 "x10	"	Scale	3/16" = 1'-0"	
	COOLING	57.6	TONS	UNLESS NOTE ON LAYOUT. A				В	CIN# 19669	
е	·	2.5	10110	UNLESS NOTE			SE			
	FAN SPEED	1131	cfm @ 0.6" w.c.	ON LAYOUT. U DOORS 1" min.				LO#  8152		

**GLENWAY 7A** 

3317 sqft

