

	TRINAR HAL GREENPARI							LOT 0									ATE: Se	-							HANGE RATE 0.2		HEAT	LOSS A	ΔT °F.	81			CSA-F2	80-12
	GREENPARI	HOME					TYPE:	BREN	TWOOL	0 2			GFA:			L	.O# 87	604			SUMI	VIER NA	TURAL	AIR CH	HANGE RATE 0.0	71	HEAT	GAIN A	ΔT°F.	11		Е	NERGYS	STAR
ROOM USE		1	MBR			ENS			WIC		1	BED-2		i	BED-3	1	В	D-4		BAT		T	ENS-				ENS-4	ī						
EXP. WALL			33		l	23		1	7			29			30			15	ı	11	ı	- 1	5			ı	9	ŀ						- 1
CLG. HT.		1	9	i	l	9			9		1	9			9	- 1		9		9			9		1		9							
	FACTORS																		ı							- 1	•	1			- 1			
GRS.WALL AREA	LOSS GAIL	V	297			207			63		l	261			270	- 1	1	35	- 1	99	,		45			-	81	1			- 1			
GLAZING			LOSS	GAIN		Loss	GAIN		LOSS	GAIN	1 .	oss (GAIN	1		AIN		SS GA		LOS	-	.		GAIN			٠.			1				
NORTH	20.4 15.1	0	0	0	0	0	0	0	0	0	0	0	0	0	0			0 (٠ ا	0		١,	0			١.	LOSS			~~~	Fa	own of	xvi11i	imbu
EAST	20.4 40.7	, ,	0	0	0	0	0	0	0	0	36	-	1466			- 1	-			-	-	-	-	0	l	0	0	0	/	AM				
SOUTH	20.4 24.1	٥	0	ő	0	0	0	١	0	0	1		1	42			-	•	0	0	•	14		570		0	0	0	_ (Bui	ilding Stand	lards Branch	BCIN #1648
WEST		1 -			_		-	"	-	-	0	0	0	0	0			05 36	- 1	0	0	0	0	0		7	142	168	-	dar town, Our future				
	20.4 40.7	1	611	1222	22	448	896	0	0	0	0	0	0	0	0	- 1	0	0 (0	0	0	0	0	0		0	0	0						
SKYLT.	34.2 99.9	- 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 (0	0	0	0	0	0		0	0	o l						or use w
	27.0 3.7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 (0	0	.0	0	0	0		0	0	اه						hanges m
NET EXPOSED WALL	3.9 0.5	267	1030	139	185	714	96	63	243	33	225	868	117	228	880	119 1	20 4	63 6	99	382	2 52	31	120	16		74		39						of the Bu st comply
NET EXPOSED BSMT WALL ABOVE GR	3.9 0.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0			0 0	0		. 0	0	0	0		0	0	0						ended, a
EXPOSED CLG	1.4 0.6	333	458	186	144	198	80	100	138	56	195	268	109					74 15	1		-		•	٠,١										nended.
NO ATTIC EXPOSED CLG	2.9 1.2		0	0	0	0	0	0	0	0	30	88	36	30					- 1			1		43		60		33	app	proved d	docume	nts mus	t be kep	ot on site
EXPOSED FLOOR	2.7 0.4	0	0	o l	0	0	0	0	0	0	225	615				- 1			0		-		0	0		0	0	0					rmit mu	ust be o
BASEMENT/CRAWL HEAT LOSS	0.4	1	0	۱		n	٠	"		U	225	010	83	35		13		0 0	15		6	78		29		0	0	0	pos	sted on s	site at al	l times.		
SLAB ON GRADE HEAT LOSS			-	- 1		•			0		l	0			0			0		0			0		1		0	ŀ	n	iscipline	- 1	Reviews	r BCIN	N Date
;		1	0	İ		0			0		l	0	- 1		0			0		0			0	l			0	l		uilding C				
SUBTOTAL HT LOSS		1	2098			1359			381		l	2571	- 1		2210	- 1	1	142		525	5		725			1	510					H. Authie	er 43236	0 2021
SUB TOTAL HT GAIN		1		1546			1073			89	l		1811		1	996		57	5		98			658	1	1		240		wage Sy	stem			
LEVEL FACTOR / MULTIPLIER		0.20	0.25		0.20	0.25		0.20	0.25		0.20	0.25		0.20	0.25	l o.	.20 0	.25	0.2	0.25	5	0.20	0.25			0 20	0.25		Zo	oning				
AIR CHANGE HEAT LOSS		1	526	- 1		341			95			645	-		554			87	1	132			182			0.20	128							
AIR CHANGE HEAT GAIN				85			59			5			99			109	_	3.	1		- 5		102	36			120	40						1
DUCT LOSS			0	- 1		0			0	-		322	••		276			0			-	1		36		1		13			- 1			ł
DUCT GAIN			•	ا ه		•	0		٠	0		322						•		66		į	91	1		1	0							1
	240			- 1	0		- 1	_					284	_		303		0			10			69				0			- 1			- 1
HEAT GAIN APPLIANCES/LIGHTS	240	2		480	U		0	0		0	1		240	1		240	1	24	- 1		0	0		0		0		0			- 1			ı
TOTAL HT LOSS BTU/H		1		685			0			0			685			885		68	5		0			0				0			- 1			
ı			2625			1700			476			3538	- 1		3040	- 1	14	129	- 1	722	2		997	- 1			638							
TOTAL HT GAIN x 1.3 BTU/H																																		
		J		3635			1471			121			4054		4	333		199	2		148	Ц		993				330						
ROOM USE		 		3635		LV/DN	1471		KT/FM	121			4054		_AUN	333	P		2	FOY		<u> </u>		993		<u> </u>		330		WOD			BAS	
ROOM USE EXP. WALL		l		3635		27	1471		74	121			4054	ı		333	Pi	19: VD	2	FOY 30	Y	<u> </u>		993				330		WOD 40				
ROOM USE EXP. WALL CLG. HT.				3635	ı		1471			121			4054	ı	_AUN	333		19: VD	2		Y			993				330					168	
ROOM USE EXP. WALL CLG. HT.	FACTORS			3635	1	27	1471		74	121			4054	ı	AUN 27	333		199 VD 8	2	30	Y			993				330		40				
ROOM USE EXP. WALL CLG. HT. F GRS.WALL AREA L				3635		27	1471		74	121			4054		AUN 27	333	,	199 VD 8	2	30 11	Y			993				330		40 9			168 9	
ROOM USE EXP. WALL CLG. HT.				3635		27 11 297	GAIN		74 11				4054		_AUN 27 11 297			199 WD 8 1		30 11 330	Y			993				330		40 9 360			168 9 1128	
ROOM USE EXP. WALL CLG. HT. F GRS.WALL AREA L GLAZING				3635		27 11 297 LOSS			74 11 814				4054		_AUN 27 11 297 _OSS G	AIN	LC	199 ND 8 1 1 8 8 8 8 8 8 8 8 8 8 8 8 8	N	30 11 330 LOS	Y) S GAI			993				330	ı	40 9 360 LOSS (ı	168 9 1128 -OSS G	1
ROOM USE EXP. WALL CLG. HT. GRS.WALL AREA L GLAZING NORTH	LOSS GAIN 20.4 15.1			3635	!	27 11 297		0	74 11 814 LOSS 0	GAIN 0			4054	L	_AUN 27 11 297 .OSS G	AIN 0	LC 0	199 ND 8 11 88 9SS GA 0 0	N o	30 11 330 LOS: 0	Y) S GAII			993				330	0	40 9 360 LOSS (0	0	168 9 1128 .OSS 6	0
ROOM USE EXP. WALL CLG. HT. F GRS.WALL AREA L GLAZING NORTH EAST	20.4 15.1 20.4 40.7			3635	0	27 11 297 LOSS 0	GAIN 0 0	0	74 11 814 LOSS 0	GAIN 0 0			4054	L 0 0	_AUN 27 11 297 _OSS G 0 0	AIN 0 0	LC 0 0	199 ND 8 8 1 1 8 8 SS GA 0 0	N 0	30 11 330 LOS: 0 0	Y O S S GAII O O			993				330	0	40 9 360 LOSS (0	0 0	168 9 1128 .OSS G 0	0
ROOM USE EXP. WALL CLG. HT. F GRS.WALL AREA L GLAZING NORTH EAST SOUTH	20.4 15.1 20.4 40.7 20.4 24.1			3635	0 0 26	27 11 297 LOSS 0 0 529	GAIN 0 0 626	0 0	74 11 814 LOSS 0 0	GAIN 0 0			4054	0 0 0	_AUN	AIN 0 0 0	6 LC 0 0 7 1	199 ND 8 1 1 88 SS GA D 0 0 0 0 042 16	N 0 0 0 0 0 0 0	30 11 330 LOS: 0 0	Y O O O O			993				330	0	40 9 360 LOSS (0	0 0	168 9 1128 -OSS G 0	0
ROOM USE EXP. WALL CLG. HT. F GRS.WALL AREA L GLAZING NORTH EAST SOUTH WEST	20.4 15.1 20.4 40.7 20.4 24.1 20.4 40.7			3635	0 0 26 0	27 11 297 LOSS 0 0 529 0	GAIN 0 0 626 0	0 0 0 84	74 11 814 LOSS 0 0 0	GAIN 0 0 0 3420			4054	0 0 0	_AUN	AIN 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	6 LC 0 0 7 1	199 ND 8 1 1 8 8 SS GA 0 0 0 0 0 42 16 0 0	N 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	30 11 330 LOS: 0 0 0	Y O O O O O			993				330	0	40 9 360 LOSS 0 0 0	0	0 0	168 9 1128 -OSS 6 0 0	0
ROOM USE EXP. WALL CLG. HT. F GRS.WALL AREA L GLAZING NORTH EAST SOUTH WEST SKYLT.	20.4 15.1 20.4 40.7 20.4 24.1 20.4 40.7 34.2 99.9			3635	0 0 26 0	27 11 297 LOSS 0 0 529 0	GAIN 0 0 626 0	0 0 0 84	74 11 814 LOSS 0 0 0 1709	GAIN 0 0 0 3420			4054	0 0 0 0	27 11 297 COSS G 0 0 0	AIN 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	6 LC 0 0 7 1	199 ND 8 1 1 8 8 SS GA 0 0 0 0 0 42 16 0 0	N 0 0 0 0 0 0 0	30 11 330 LOS: 0 0	Y O O O O			993				330	0 0 0	40 9 360 LOSS 0 0 0	0 0 0	U O O 10	168 9 1128 -OSS 6 0 0 204	0 0 241
ROOM USE EXP. WALL CLG. HT. F GRS.WALL AREA L GLAZING NORTH EAST SOUTH WEST SKYLT. DOORS	20.4 15.1 20.4 40.7 20.4 24.1 20.4 40.7 34.2 99.9 27.0 3.7			3635	0 0 26 0 0	27 11 297 LOSS 0 0 529 0	GAIN 0 0 626 0	0 0 0 84 0	74 11 814 LOSS 0 0 0	GAIN 0 0 0 3420			4054	0 0 0 0	27 11 297 COSS G 0 0 0	AIN 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	8 LC 0 0 7 1 0	199 NVD 8 8 1 1 8 8 8 9 0 0 0 0 42 16 0 0 0 0 0 0	N 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	30 11 330 LOS: 0 0 0	Y S GAII 0 0 0 0 0 0 0	N		993				330	0 0 0 0 5	40 9 360 LOSS C 0 0 0	0 0 0 204 0	0 0 10 0	168 9 1128 -OSS 6 0 0 204	0 0 241 0
ROOM USE EXP. WALL CLG. HT. F GRS.WALL AREA L GLAZING NORTH EAST SOUTH WEST SKYLT. DOORS NET EXPOSED WALL	20.4 15.1 20.4 40.7 20.4 24.1 20.4 40.7 34.2 99.9			3635	0 0 26 0 0	27 11 297 LOSS 0 0 529 0	GAIN 0 0 626 0	0 0 0 84	74 11 814 LOSS 0 0 0 1709	GAIN 0 0 0 3420			4054	0 0 0 0 0 0	27 11 297 COSS G 0 0 0 0 0	AIN 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	6 LC 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	199 NVD 8 8 1 1 8 8 8 9 0 0 0 0 42 16 0 0 0 0 0 0	N 0 0 0 0 0 0 40	30 11 330 LOS: 0 0 0 0	Y SS GAII 0 0 0 0 0 2 146	N		993				330	0 0 0 5 0	40 9 360 LOSS 0 0 0 0 102 0	0 0 0 204 0	0 0 10 0 0 20	168 9 1128 .OSS 6 0 0 204 :	0 0 241 0 0 73
ROOM USE EXP. WALL CLG. HT. F GRS.WALL AREA L GLAZING NORTH EAST SOUTH WEST SKYLT. DOORS NET EXPOSED WALL	20.4 15.1 20.4 40.7 20.4 24.1 20.4 40.7 34.2 99.9 27.0 3.7			3635	0 0 26 0 0	27 11 297 LOSS 0 0 529 0	GAIN 0 0 626 0 0	0 0 0 84 0	74 11 814 LOSS 0 0 0 1709 0	GAIN 0 0 0 3420 0			4054	0 0 0 0 0 0	AUN 27 11 297 COSS G 0 0 0 0 0 541 11069 1	AIN 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	E LC C C C C C C C C C C C C C C C C C C	199 NVD 8 11 88 SSS GAA 0 0 0 0 0 42 166 0 0 0 0 0 12 42	N 0 0 0 0 0 0 40	30 11 330 LOS: 0 0 0 0 0	Y SS GAII 0 0 0 0 0 2 146	N		993					0 0 0 5 0 0	40 9 360 LOSS C 0 0 0 102 0	0 0 0 204 0 0	0 0 10 0 0 20	168 9 1128 .OSS 6 0 0 204 : 0 0 541	0 0 241 0 0 73
ROOM USE 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 15.1 20.4 40.7 20.4 24.1 20.4 40.7 34.2 99.9 27.0 3.7 3.9 0.5			3635	0 0 26 0 0	27 11 297 LOSS 0 0 529 0 0 0	GAIN 0 0 626 0 0	0 0 0 84 0 0 730	74 11 814 LOSS 0 0 0 1709 0 0	GAIN 0 0 0 3420 0 0 381			4054	0 0 0 0 0 0 20 277	AUN 27 11 297 COSS G 0 0 0 0 541 11069 1	AIN 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	6 LC C C C C C C C C C C C C C C C C C C	199 NVD 8 11 88 SSS GAA 0 0 0 0 0 42 166 0 0 0 0 0 12 42 0 0	N 0 0 0 0 0 0 0 40 290 0	30 11 330 LOS: 0 0 0 0 0 1082 1119	Y O O O O O O O O O O O O O O O O O O O	N		993					0 0 0 5 0 0 0 235	40 9 360 LOSS 0 0 0 0 102 0 0 0	0 0 0 204 0 0 0 122	0 0 10 0 0 20 0	168 9 1128 -OSS 6 0 0 204 : 0 0 541 0	0 0 241 0 0 73 0 200
ROOM USE EXP. WALL CLG. HT. GRS.WALL AREA L GLAZING NORTH EAST SOUTH WEST SKYLT. DOORS NET EXPOSED WALL NET EXPOSED BSMT WALL ABOVE OR EXPOSED CLG	20.4 15.1 20.4 40.7 20.4 24.1 20.4 40.7 34.2 99.9 27.0 3.7 3.9 0.5 3.9 0.5			3635	0 0 26 0 0 0 271	27 11 297 LOSS 0 0 529 0 0 0 1045	GAIN 0 0 626 0 0 141 0	0 0 0 84 0 0 730 0	74 11 814 LOSS 0 0 0 1709 0 2816 0	GAIN 0 0 0 3420 0 0 381 0			4054	0 0 0 0 0 0 20 277 0	AUN 27 11 297 0 0 0 0 0 0 541 1069 1	AIN 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	10000000000000000000000000000000000000	199 NVD 8 1 1 8 8 1 1 8 8 0 0 0 0 0 1 1 1 1 1 1	N 0 0 0 0 0 0 40 290 0 0	30 11 330 LOSS 0 0 0 0 0 1082 1119 0	Y SS GAII 0 0 0 0 2 146 9 151 0	N		993					0 0 0 5 0 0 0 235	40 9 360 LOSS C 0 0 0 102 0 0 0 906	0 0 0 204 0 0 0 122	0 0 10 0 0 20 0 384	168 9 1128 -OSS 6 0 0 204 : 0 0 541 0	0 0 241 0 0 73 0 200
ROOM USE EXP. WALL CLG. HT. GRS.WALL AREA L GLAZING NORTH EAST SOUTH WEST SKYLT. DOORS NET EXPOSED WALL NET EXPOSED BSMT WALL ABOVE GR EXPOSED CLG NO ATTIC EXPOSED CLG	20.4 15.1 20.4 40.7 20.4 24.1 20.4 40.7 34.2 99.9 27.0 3.7 3.9 0.5 3.9 0.5 1.4 0.6 2.9 1.2			3635	0 0 26 0 0 0 271 0	27 11 297 LOSS 0 0 529 0 0 1045 0	GAIN 0 0 626 0 0 141 0	0 0 0 84 0 0 730 0 0	74 11 814 LOSS 0 0 0 1709 0 0 2816 0 0	GAIN 0 0 0 3420 0 0 381 0 0			4054	0 0 0 0 0 0 20 277 0	_AUN 27 11 297	AIN 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	8 LC C C C C C C C C C C C C C C C C C C	199 NVD 8 1 1 8 8 1 1 8 8 0 0 0 0 142 16 0 0 0 0 12 42 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	N 0 0 0 0 0 40 290 0 0 0	30 11 330 LOSS 0 0 0 0 1082 1119 0	Y O S GAII O O O O O O O O O O O O O O O O O O	N		993					0 0 0 5 0 0 0 235 0	40 9 360 LOSS C 0 0 0 102 0 0 0 906	0 0 0 204 0 0 0 122 0	0 0 10 0 0 20 0 384	168 9 1128 COSS G 0 0 204 : 0 0 541 0 1480 :	0 0 241 0 0 73 0 200 0
ROOM USE EXP. WALL CLG. HT. GRS.WALL AREA L GLAZING NORTH EAST SOUTH WEST SKYLT. DOORS NET EXPOSED WALL NET EXPOSED BMT WALL ABOVE OR EXPOSED LG NO ATTIC EXPOSED CLG EXPOSED FLOOR	20.4 15.1 20.4 40.7 20.4 24.1 20.4 40.7 34.2 99.9 27.0 3.7 3.9 0.5 3.9 0.5 1.4 0.6			3635	0 0 26 0 0 0 271 0	27 11 297 LOSS 0 0 529 0 0 0 1045 0	GAIN 0 0 626 0 0 141 0	0 0 0 84 0 0 730 0	74 11 814 LOSS 0 0 0 1709 0 2816 0	GAIN 0 0 0 3420 0 0 381 0			4054	0 0 0 0 0 0 20 277 0	AUN 27 11 297OSS G 0 0 0 0 541 11069 1 0 0 0 0 0	AIN 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	8 LC C C C C C C C C C C C C C C C C C C	199 ND 8 8 11 88 SS GA D 0 0 0 0 42 16 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	N 0 0 0 0 0 0 40 290 0 0	30 11 330 LOSS 0 0 0 0 1082 1119 0 0	Y SS GAII 0 0 0 0 2 146 9 151 0	N		993					0 0 0 5 0 0 0 235	40 9 360 LOSS C 0 0 0 102 0 0 0 906	0 0 0 204 0 0 0 122	0 0 10 0 0 20 0 384	168 9 1128 COSS G 0 0 204 : 0 0 541 0 1480 :	0 0 241 0 0 73 0 200
ROOM USE EXP. WALL CLG. HT. F GRS.WALL AREA I GLAZING NORTH EAST SOUTH WEST SKYLT. DOORS NET EXPOSED WALL NET EXPOSED WALL NET EXPOSED CLG EXPOSED CLG EXPOSED FLOOR ASEMENT/CRAWL HEAT LOSS	20.4 15.1 20.4 40.7 20.4 24.1 20.4 40.7 34.2 99.9 27.0 3.7 3.9 0.5 3.9 0.5 1.4 0.6 2.9 1.2			3635	0 0 26 0 0 0 271 0	27 11 297 LOSS 0 0 529 0 0 1045 0 0	GAIN 0 0 626 0 0 141 0	0 0 0 84 0 0 730 0 0	74 11 814 LOSS 0 0 0 1709 0 0 2816 0 0 29	GAIN 0 0 0 3420 0 0 381 0 0			4054	0 0 0 0 0 0 20 277 0	AUN 27 11 297 OSS G 0 0 0 0 541 1069 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	AIN 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	ECC 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	199 NVD 8 8 1 1 8 8 8 SSS GA 0 0 0 42 16 0 0 0 12 42 0	N 0 0 0 0 0 40 290 0 0 0	30 11 330 LOS: 0 0 0 0 1082 1119 0 0	Y O S GAII O O O O O O O O O O O O O O O O O O	N		993					0 0 0 5 0 0 0 235 0	40 9 360 LOSS C 0 0 0 102 0 0 0 906	0 0 0 204 0 0 0 122 0	0 0 10 0 0 20 0 384	168 9 1128 COSS G 0 0 204 : 0 0 541 0 1480 :	0 0 241 0 0 73 0 200 0
ROOM USE EXP. WALL CLG. HT. GRS.WALL AREA L GLAZING NORTH EAST SOUTH WEST SKYLT. DOORS NET EXPOSED WALL NET EXPOSED ED GLG NO ATTIC EXPOSED CLG ATTIC EXPOSED CLG ASEMENT/CRAWL HEAT LOSS SLAB ON GRADE HEAT LOSS	20.4 15.1 20.4 40.7 20.4 24.1 20.4 40.7 34.2 99.9 27.0 3.7 3.9 0.5 3.9 0.5 1.4 0.6 2.9 1.2			3635	0 0 26 0 0 0 271 0 0	27 11 297 LOSS 0 0 529 0 0 0 1045 0 0 0	GAIN 0 0 626 0 0 141 0	0 0 0 84 0 0 730 0 0	74 11 814 LOSS 0 0 0 1709 0 2816 0 0 29 0	GAIN 0 0 0 3420 0 0 381 0 0			4054	0 0 0 0 0 20 277 0 0	AUN 27 11 297	AIN 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	8 LC C C C C C C C C C C C C C C C C C C	199 NVD 8 8 1 1 8 8 8 SSS GA 0 0 0 42 16 0 0 0 12 42 0	N 0 0 0 0 0 40 290 0 0 0	30 11 330 LOSS 0 0 0 0 1082 1119 0 0	Y O S GAII O O O O O O O O O O O O O O O O O O	N		993					0 0 0 5 0 0 0 235 0	40 9 360 LOSS C 0 0 0 102 0 0 0 906	0 0 0 204 0 0 0 122 0	0 0 10 0 0 20 0 384	168 9 1128 LOSS G 0 0 204 : 0 0 541 0 1480 :	0 0 241 0 0 73 0 200 0
ROOM USE EXP. WALL CLG. HT. GRS.WALL AREA L GLAZING NORTH EAST SOUTH WEST SKYLT. DOORS NET EXPOSED WALL NET EXPOSED WALL NET EXPOSED CLG EXPOSED FLOOR ASEMENT/CRAWL HEAT LOSS SLAB ON GRADE HEAT LOSS SUBTOTAL HT LOSS	20.4 15.1 20.4 40.7 20.4 24.1 20.4 40.7 34.2 99.9 27.0 3.7 3.9 0.5 3.9 0.5 1.4 0.6 2.9 1.2			3635	0 0 26 0 0 0 271 0 0	27 11 297 LOSS 0 0 529 0 0 1045 0 0	GAIN 0 0 626 0 0 1411 0 0 0 0	0 0 0 84 0 0 730 0 0	74 11 814 LOSS 0 0 0 1709 0 0 2816 0 0 29 0 0 4555	GAIN 0 0 0 3420 0 0 381 0 0			4054	0 0 0 0 0 20 277 0 0	AUN 27 11 297 OSS G 0 0 0 0 541 1069 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	AIN 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	ECC 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	199 NVD 8 8 1 1 88 SSS GA 0 0 0 0 0 12 42 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	N 0 0 0 0 0 40 290 0 0 0	30 11 330 LOS: 0 0 0 0 1082 1119 0 0	Y SS GAII 0 0 0 0 0 0 2 1469 151 0 0	N		993					0 0 0 5 0 0 0 235 0 0	40 9 360 LOSS C 0 0 102 0 0 0 906 0	0 0 0 204 0 0 0 122 0	0 0 10 0 0 20 0 384	168 9 1128 LOSS G 0 0 204 : 0 0 541 0 1480 :	0 0 241 0 0 73 0 200 0
ROOM USE EXP. WALL CLG. HT. CLG. HT. GRS.WALL AREA GLAZING NORTH EAST SOUTH WEST SKYLT. DOORS NET EXPOSED WALL NET EXPOSED WALL NET EXPOSED LG EXPOSED CLG EXPOSED FLOOR ASEMENT/CRAWL HEAT LOSS SLAB ON GRADE HEAT LOSS SUBTOTAL HT GAIN	20.4 15.1 20.4 40.7 20.4 24.1 20.4 40.7 34.2 99.9 27.0 3.7 3.9 0.5 3.9 0.5 1.4 0.6 2.9 1.2				0 0 26 0 0 0 2711 0 0	27 11 297 LOSS 0 0 529 0 0 1045 0 0 0 0 1575	GAIN 0 0 626 0 0 141 0	0 0 0 84 0 0 730 0 0	74 11 814 LOSS 0 0 0 1709 0 0 2816 0 0 29 0 0 4555	GAIN 0 0 0 3420 0 0 381 0 0			4054	0 0 0 0 0 20 277 0 0	AUN 27 11 297OSS G 0 0 0 0 541 1069 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	AIN 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	ELC 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	199 NVD 8 8 1 1 88 SSS GA 0 0 0 0 0 12 42 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	N 0 0 0 0 0 40 290 0 0 0	30 11 330 LOSS 0 0 0 0 1082 1119 0 0 0	Y SS GAII 0 0 0 0 0 0 2 1469 151 0 0	N		993					0 0 0 5 0 0 0 235 0 0	40 9 360 LOSS C 0 0 102 0 0 0 906 0 0	0 0 0 204 0 0 0 122 0 0	0 0 10 0 0 20 0 384	168 9 1128 COSS G 0 0 204 : 0 0 541 0 1480 : 0 0 5958	0 0 241 0 0 73 0 2200 0
ROOM USE EXP. WALL CLG. HT. CLG. HT. GRS.WALL AREA GLAZING NORTH EAST SOUTH WEST SKYLT. DOORS NET EXPOSED WALL NET EXPOSED WALL NET EXPOSED USL NO ATTIC EXPOSED CLG EXPOSED CLG EXPOSED FLOOR USEMENT/CRAWL HEAT LOSS SLAB ON GRADE HEAT LOSS SUBTOTAL HT COSS SUB TOTAL HT GAIN LEVEL FACTOR / MULTIPLIER	20.4 15.1 20.4 40.7 20.4 24.1 20.4 40.7 34.2 99.9 27.0 3.7 3.9 0.5 3.9 0.5 1.4 0.6 2.9 1.2				0 0 26 0 0 0 2711 0 0	27 11 297 LOSS 0 0 529 0 0 0 1045 0 0 0	GAIN 0 0 626 0 0 1411 0 0 0 0	0 0 0 84 0 0 730 0 0	74 11 814 LOSS 0 0 0 1709 0 0 2816 0 0 29 0 0 4555	GAIN 0 0 0 3420 0 0 381 0 0				0 0 0 0 0 0 20 277 0 0	AUN 27 11 297OSS G 0 0 0 0 541 1069 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	AIN 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1 LC C C C C C C C C C C C C C C C C C C	1997 NVD 88 81 1 88 88 90 90 90 90 90 90 90 90 90 90 90 90 90	N 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	30 11 330 LOS: 0 0 0 0 1082 1119 0 0 0 0	Y S GAI 0 0 0 146 2 156 0 0 0 0 2 2 167 0 0 0 0 0 0 0 0 0 0 0 0 0	N		993					0 0 0 5 0 0 0 235 0 0	40 9 360 LOSS C 0 0 102 0 0 0 906 0 0	0 0 0 204 0 0 0 122 0 0	0 0 10 0 0 20 0 0 384 0 0	168 9 1128 COSS 6 0 0 0 541 0 1480 0 0 0 55958	0 0 241 0 0 73 0 200 0
ROOM USE EXP. WALL CLG. HT. CLG. HT. GRS.WALL AREA GLAZING NORTH EAST SOUTH WEST SKYLT. DOORS NET EXPOSED WALL NET EXPOSED WALL NET EXPOSED LG EXPOSED CLG EXPOSED FLOOR ASEMENT/CRAWL HEAT LOSS SLAB ON GRADE HEAT LOSS SUBTOTAL HT GAIN	20.4 15.1 20.4 40.7 20.4 24.1 20.4 40.7 34.2 99.9 27.0 3.7 3.9 0.5 3.9 0.5 1.4 0.6 2.9 1.2				0 0 26 0 0 0 271 0 0	27 11 297 LOSS 0 0 529 0 0 1045 0 0 0 0 1575	GAIN 0 0 626 0 0 1411 0 0 0 0	0 0 0 84 0 0 730 0 0	74 11 814 LOSS 0 0 0 1709 0 0 2816 0 0 29 0 0 4555	GAIN 0 0 0 3420 0 0 381 0 0				0 0 0 0 0 0 20 277 0 0 0	AUN 27 11 297 OSS G 0 0 0 0 541 1069 1 0 0 0 0 1609 2	AIN 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1 LC C C C C C C C C C C C C C C C C C C	19: ND	N 0 0 0 0 0 40 290 0 0 0	30 11 330 LOS: 0 0 0 0 1082 1119 0 0 0 0	Y S GAII 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	N		993					0 0 0 5 0 0 0 235 0 0	40 9 360 LOSS C 0 0 102 0 0 0 906 0 0	0 0 0 204 0 0 0 122 0 0	0 0 110 0 0 20 0 0 0 0 0 0 0 0 0 0 0 0 0	168 9 1128 -OSS G 0 0 204 204 3 541 0 1480 0 0 0 55958 8182	0 0 241 0 0 73 0 2200 0
ROOM USE EXP. WALL CLG. HT. CLG. HT. GRS.WALL AREA GLAZING NORTH EAST SOUTH WEST SKYLT. DOORS NET EXPOSED WALL NET EXPOSED WALL NET EXPOSED USL NO ATTIC EXPOSED CLG EXPOSED FLOOR ASEMENT/CRAWL HEAT LOSS SLAB ON GRADE HEAT LOSS SUBTOTAL HT LOSS SUB TOTAL HT GAIN LEVEL FACTOR / MULTIPLIER	20.4 15.1 20.4 40.7 20.4 24.1 20.4 40.7 34.2 99.9 27.0 3.7 3.9 0.5 3.9 0.5 1.4 0.6 2.9 1.2				0 0 26 0 0 0 271 0 0	27 11 297 LOSS 0 0 0 529 0 0 0 1045 0 0 0 0 0 1575	GAIN 0 0 626 0 0 1411 0 0 0 0	0 0 0 84 0 0 730 0 0	74 11 814 LOSS 0 0 0 1709 0 0 2816 0 0 29 0 0 4555	GAIN 0 0 0 3420 0 0 381 0 0				0 0 0 0 0 0 20 277 0 0 0	AUN 27 11 297 OSS G 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	AIN 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	8 LC C C C C C C C C C C C C C C C C C C	19: NVD 8 8 1 1 8 0 0 0 0 0 0 0 1 1 2 1 2 1 0 0 0 0 0 0 0	N 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	300 111 3300 LOS: 0 0 0 0 0 0 1082 1115 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Y O O O O O O O O O O O O O O O O O O O	N		993					0 0 0 5 0 0 0 235 0 0	40 9 360 LOSS C 0 0 102 0 0 0 906 0 0	0 0 0 204 0 0 0 122 0 0	0 0 110 0 0 20 0 0 0 0 0 0 0 0 0 0 0 0 0	168 g 11128 coss c 0 0 0 204 : 0 0 0 5541 0 0 0 0 0 1480 : 0 0 0 0 15958 8 18182 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	0 0 241 0 0 73 0 200 0 0 0
ROOM USE EXP. WALL CLG. HT. CLG. HT. GRS.WALL AREA L GLAZING NORTH EAST SOUTH WEST SKYLT. DOORS NET EXPOSED WALL NET EXPOSED GLG EXPOSED FLOOR ASEMENT/CRAWL HEAT LOSS SLAB ON GRADE HEAT LOSS SUBTOTAL HT LOSS SUBTOTAL HT GAIN LEVEL FACTOR / MULTIPLIER AIR CHANGE HEAT LOSS	20.4 15.1 20.4 40.7 20.4 24.1 20.4 40.7 34.2 99.9 27.0 3.7 3.9 0.5 3.9 0.5 1.4 0.6 2.9 1.2				0 0 26 0 0 0 271 0 0	27 11 297 LOSS 0 0 0 529 0 0 0 1045 0 0 0 0 0 1575	GAIN 0 0 626 0 0 0 1411 0 0 0 0 767	0 0 0 84 0 0 730 0 0	74 11 814 LOSS 0 0 0 1709 0 0 2816 0 0 29 0 0 4555	GAIN 0 0 0 3420 0 0 381 0 0 12 0				0 0 0 0 0 0 20 277 0 0 0	AUN 27 11 1 297 COSS G 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	AIN 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	ELCC Control Control	19: NND 8 8 1 1 2 16 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	N 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	300 111 3300 COS: 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Y S GAII 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	N		993					0 0 0 5 0 0 0 235 0 0	40 9 360 LOSS C 0 0 102 0 0 0 906 0 0	0 0 0 204 0 0 0 122 0 0	0 0 110 0 0 20 0 0 0 0 0 0 0 0 0 0 0 0 0	168 g 11128 OSS G 0 0 0 204 :: 0 0 1480 :: 0 0 55958	0 0 241 0 0 73 0 2200 0
ROOM USE EXP. WALL CLG. HT. CLG. HT. GRS.WALL AREA GLAZING NORTH EAST SOUTH WEST SKYLT. DOORS NET EXPOSED WALL NET EXPOSED WALL NET EXPOSED LIG EXPOSED FLOOR ASEMENT/CRAWL HEAT LOSS SUBTOTAL HT GAIN LEVEL FACTOR / MULTIPLIER AIR CHANGE HEAT LOSS AIR CHANGE HEAT GAIN DUCT LOSS	20.4 15.1 20.4 40.7 20.4 24.1 20.4 40.7 34.2 99.9 27.0 3.7 3.9 0.5 3.9 0.5 1.4 0.6 2.9 1.2				0 0 26 0 0 0 271 0 0	27 11 297 LOSS 0 0 529 0 0 1045 0 0 0 0 1575	GAIN 0 0 626 0 0 141 0 0 0 0	0 0 0 84 0 0 730 0 0	74 11 814 LOSS 0 0 0 1709 0 0 2816 0 0 0 4555	GAIN 0 0 3420 0 0 381 0 0 12 0				0 0 0 0 0 0 20 277 0 0 0	AUN 27 11 297 OSS G 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	AIN 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	8 LC C C C C C C C C C C C C C C C C C C	19: NND 8 8 1 1 10 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	N 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	300 111 3300 COS: 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	O O O O O O O O O O O O O O O O O O O	N		993					0 0 0 5 0 0 0 235 0 0	40 9 360 LOSS C 0 0 102 0 0 0 906 0 0	0 0 0 204 0 0 0 122 0 0	0 0 110 0 0 20 0 0 0 0 0 0 0 0 0 0 0 0 0	168 g 11128 coss c 0 0 0 204 : 0 0 0 5541 0 0 0 0 0 1480 : 0 0 0 0 15958 8 18182 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	0 0 241 0 0 73 0 200 0 0 0
ROOM USE EXP. WALL CLG. HT. GRS.WALL AREA L GLAZING NORTH EAST SOUTH WEST SKYLT. DOORS NET EXPOSED WALL NET EXPOSED WALL NET EXPOSED CLG NO ATTIC EXPOSED CLG EXPOSED FLOOR ASEMENTICRAWL HEAT LOSS SLAB ON GRADE HEAT LOSS SUBTOTAL HT COSS SUBTOTAL HT GAIN LEVEL FACTOR / MULTIPLIER AIR CHANGE HEAT GAIN DUCT LOSS DUCT GAIN	20.4 15.1 20.4 40.7 20.4 24.1 20.4 40.7 34.2 99.9 27.0 3.7 3.9 0.5 3.9 0.5 1.4 0.6 2.9 1.2 2.7 0.4				0 0 26 0 0 0 271 0 0 0	27 11 297 LOSS 0 0 529 0 0 1045 0 0 0 0 1575	GAIN 0 0 626 0 0 0 141 0 0 0 767 42 0	0 0 0 84 0 0 730 0 0 10 0	74 11 814 LOSS 0 0 0 1709 0 0 2816 0 0 0 4555	GAIN 0 0 3420 0 0 3881 0 0 12 0 38813 2099 0				0 0 0 0 0 0 20 277 0 0 0	AUN 27 11 1 297 00SS G 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	AIN 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	ELC	19: 19: 19: 19: 10: 10: 10: 10:	N 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	300 111 3300 COS: 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Y O O O O O O O O O O O O O O O O O O O	N		993					0 0 0 5 0 0 0 235 0 0	40 9 360 LOSS C 0 0 102 0 0 0 906 0 0	0 0 0 204 0 0 0 122 0 0	0 0 110 0 0 20 0 0 0 0 0 0 0 0 0 0 0 0 0	168 g 11128	0 0 241 0 0 73 0 200 0 0 0
ROOM USE EXP. WALL CLG. HT. GRS.WALL AREAL GLAZING NORTH EAST SOUTH WEST SKYLT. DOORS NET EXPOSED WALL NET EXPOSED WALL NET EXPOSED CLG NO ATTIC EXPOSED CLG EXPOSED FLOOR ASEMENT/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 COSS DUCT LOSS DUCT LOSS DUCT GAIN HEAT GAIN PEOPLE	20.4 15.1 20.4 40.7 20.4 24.1 20.4 40.7 34.2 99.9 27.0 3.7 3.9 0.5 3.9 0.5 1.4 0.6 2.9 1.2				0 0 26 0 0 0 271 0 0	27 11 297 LOSS 0 0 529 0 0 1045 0 0 0 0 1575	GAIN 0 0 0 626 0 0 141 0 0 0 0 767 42 0 0 0	0 0 0 84 0 0 730 0 0	74 11 814 LOSS 0 0 0 1709 0 0 2816 0 0 0 4555	GAIN 0 0 3420 0 0 3811 0 0 122 0 3813 2009 0 0 0				0 0 0 0 0 0 20 277 0 0 0	AUN 27 11 1 297 COSS G 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	AIN 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	ELC	19: NVD 8 8 1 1 8 8 0 0 0 0 0 0 0 0 12 42: 0	N 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	300 111 3300 COS: 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	O O O O O O O O O O O O O O O O O O O	N		993					0 0 0 5 0 0 0 235 0 0	40 9 360 LOSS 0 0 0 0 102 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 204 0 0 0 122 0 0 0	0 0 110 0 0 20 0 0 0 0 0 0 0 0 0 0 0 0 0	168 g 11128 COSS G 0 0 0 2204 : 0 0 0 5541 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 241 0 0 73 0 200 0 0 0
ROOM USE EXP. WALL CLG. HT. GRS.WALL AREA L GLAZING NORTH EAST SOUTH WEST SKYLT. DOORS NET EXPOSED WALL NET EXPOSED WALL NET EXPOSED CLG EXPOSED CLG EXPOSED FLOOR ASEMENT/CRAWL HEAT LOSS SUBTOTAL HT GAIN LEVEL FACTOR / MULTIPLIER AIR CHANGE HEAT LOSS AIR CHANGE HEAT LOSS AIR CHANGE HEAT GAIN DUCT LOSS DUCT GAIN HEAT GAIN PEOPLE HEAT GAIN APPLIANCES/LIGHTS	20.4 15.1 20.4 40.7 20.4 24.1 20.4 40.7 34.2 99.9 27.0 3.7 3.9 0.5 3.9 0.5 1.4 0.6 2.9 1.2 2.7 0.4				0 0 26 0 0 0 271 0 0 0	27 11 297 LOSS 0 0 529 0 0 0 1045 0 0 0 0 0 1575 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	GAIN 0 0 626 0 0 0 141 0 0 0 767 42 0	0 0 0 84 0 0 730 0 0 10 0	74 11 814 LOSS 0 0 0 1709 0 0 2816 0 0 0 29 0 0 4555 0.42	GAIN 0 0 3420 0 0 3881 0 0 12 0 38813 2099 0				0 0 0 0 0 0 20 277 0 0 0 0 0	AUN 27 11 1 297 COSS G 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	AIN 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	8 LC C C C C C C C C C C C C C C C C C C	19: ND 8 8 1 1	N 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	300 111 3300 COS: 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	O O O O O O O O O O O O O O O O O O O	N		993					0 0 0 5 0 0 0 235 0 0	40 9 360 LOSS 0 0 0 0 102 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 204 0 0 0 122 0 0 0	0 0 10 0 0 0 0 0 0 384 0 0	168 9 11128 OSS 6 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 241 0 0 73 0 200 0 0 0 0 514
ROOM USE EXP. WALL CLG. HT. GRS.WALL AREAL GLAZING NORTH EAST SOUTH WEST SKYLT. DOORS NET EXPOSED WALL NET EXPOSED GLG NO ATTIC EXPOSED CLG EXPOSED FLOOR ASEMENT/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 CAIN DUCT LOSS DUCT GAIN HEAT GAIN PEOPLE	20.4 15.1 20.4 40.7 20.4 24.1 20.4 40.7 34.2 99.9 27.0 3.7 3.9 0.5 3.9 0.5 1.4 0.6 2.9 1.2 2.7 0.4				0 0 26 0 0 0 271 0 0 0	27 111 297 LOSS 0 0 529 0 0 0 1045 0 0 0 0 0 0 1575 0.42 657	GAIN 0 0 0 626 0 0 141 0 0 0 0 767 42 0 0 0	0 0 0 84 0 0 730 0 0 10 0	74 11 814 LOSS 0 0 0 1709 0 0 22816 0 0 0 4555 0.0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	GAIN 0 0 3420 0 0 3811 0 0 122 0 3813 2009 0 0 0				0 0 0 0 0 0 20 277 0 0 0 0 0	AUN 27 11 1 297 0.0SS G 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	AIN 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	ELC	19: ND 8 8 1 1	N 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	300 111 3300 COS: 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Y SS GAII 0 0 0 0 0 0 0 0 0 0 0 0	N		993					0 0 0 5 0 0 0 235 0 0	40 9 360 LOSS 0 0 0 0 102 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 204 0 0 0 1122 0 0 0 0 0 326 0 0	0 0 10 0 0 22 0 0 0 0 0 0 0 0 0 0 0 0 0	168 9 11128 OSS 6 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 241 0 0 73 0 200 0 0 0 0 514

TOTAL HEAT GAIN BTU/H:

29303

TONS: 2.44

LOSS DUE TO VENTILATION LOAD BTU/H: 1747

STRUCTURAL HEAT LOSS: 46313

TOTAL COMBINED HEAT LOSS BTU/H: 48060

Mehal Offante.



		TRINAR GREEN						TYPE:	LOT 019 BRENTV				DATE:	Sep-20			GFA:	2793	LO#	87604				
HEATING CFM TOTAL HEAT LOSS AIR FLOW RATE CFM		A	TOTAL H	LING CFM EAT GAIN RATE CFM	29,067		ē	fun a/c coii vailable	pressure nace filter pressure pressure r s/a & r/a	0.6 0.05 0.2 0.35							GMEC960	#	GOODM.		INPUT (AFUE = BTU/H) = BTU/H) =	60,000	
RUN COUNT S/A R/A R/A All S/A diffusers 4"x10" unle All S/A runs 5"Ø unless not				1st 7 2 out.	Bas 4 1		max	enum pre s/a dif p	essure s/a ress. loss essure s/a	0.18 0.02 0.16		a grille pre	pressure ess. Loss essure r/a	0.02			1	EDLOW MEDIUM JM HIGH HIGH	 		DESIG	SN CFM = CFM @ .		 _ °F
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 (ff/min) COOLING VELOCITY (ff/min) OUTLET GRILL SIZE TRUNK	1 MBR 1.31 32 1.82 71 0.17 39 140 179 0.1 5 235 521 3X10 A	2 ENS 0.85 21 0.74 29 0.17 49 200 249 0.07 4 241 333 3X10 B	3 WIC 0.48 12 0.12 5 0.17 56 210 266 0.06 4 138 57 3X10 D	4 BED-2 1.77 43 2.03 79 0.17 59 160 219 0.08 6 219 403 4X10 D	5 BED-3 1.52 37 2.17 84 0.16 64 200 264 0.06 6 189 428 4X10 C	6 BED-4 1.43 35 1.99 77 0.17 34 180 214 0.08 6 178 393 4X10 B	7 BATH 0.72 18 0.15 6 0.17 47 190 237 0.07 4 207 69 3X10 D	8 ENS-3 1.00 24 0.99 39 0.17 55 140 195 0.09 4 275 447 3X10 D	9 BED-2 1.77 43 2.03 79 0.17 60 150 210 0.08 6 219 403 4X10 D	10 MBR 1.31 32 1.82 71 0.17 47 160 207 0.08 5 235 521 3X10 A	11 ENS-4 0.64 16 0.33 13 0.17 33 190 223 0.08 4 184 149 3X10 B	12 BED-3 1.52 37 2.17 84 0.16 58 200 258 0.06 6 189 428 4X10 C	13 LV/DN 2.23 54 1.94 76 0.17 21 160 0.1 6 275 388 4X10 D	14 KT/FM 2.15 53 2.04 79 0.17 35 160 195 0.09 5 389 3X10 A	15 KT/FM 2.15 53 2.04 79 0.17 26 150 0.1 5 389 580 3X10 A	16 KT/FM 2.15 53 2.04 79 0.17 37 150 187 0.09 5 389 580 3X10 A	17 LAUN 2.28 56 1.19 46 0.17 31 170 201 0.09 5 411 338 3X10 D	18 PWD 0.64 16 0.29 11 0.17 36 180 216 0.08 4 184 126 3X10 C	19 FOY 3.12 76 0.41 16 0.17 41 120 161 0.11 5 558 117 3X10 C	20 ENS 0.85 21 0.74 29 0.17 25 160 185 0.09 4 241 333 3X10 A	21 BAS 4.10 100 0.51 20 0.16 30 100 130 0.12 6 510 102 4X10	22 BAS 4.10 100 0.51 20 0.16 31 100 131 0.12 6 510 102 4X10	23 BAS 4.10 100 0.51 20 0.16 24 120 144 0.11 6 510 102 4X10	24 BAS 4.10 100 0.51 20 0.16 45 130 175 0.09 6 510 102 4X10
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 (ff/min) COOLING VELOCITY (ff/min) OUTLET GRILL SIZE TRUNK																					These plans have corrections as a made without without with the contraint of the provided provided and the provided provided and the provided provided provided on the building the provided provided on the building Code. Sewage System Zoning	oted. No ovritten approach. All wo 2018-043, ng Code, nents must ilding perr	ewed for u other chang coval of th rk must co as amend as amend be kept or nit must	se with the ges may be e Building omply with ed, and the led. These a site at all
SUPPLY AIR TRUNK SIZE	·																RETURN A	UR TRUNK	K SIZE					
TRUNK A TRUNK B TRUNK C TRUNK D TRUNK E TRUNK F	TRUNK 244 516 266 616 1131 0	PRESS. 0.08 0.07 0.06 0.06 0.00	ROUND DUCT 8.3 11.3 9.2 12.6 15.8 0	12 16 10 18 28 0	x x x x x	8 8 8 8 8	VELOCITY (ft/min) 366 581 479 616 727 0		TRUNK G TRUNK H TRUNK I TRUNK J TRUNK K TRUNK L	TRUNK CFM 0 0 0 0 0 0	STATIC PRESS. 0.00 0.00 0.00 0.00 0.00 0.00 0.00	ROUND DUCT 0 0 0 0 0 0 0	DUCT 0 0 0 0 0 0 0 0	x x x x x	8 8 8 8 8	VELOCITY (ft/min) 0 0 0 0 0	TRUNK O TRUNK P TRUNK Q TRUNK R TRUNK S TRUNK T	TRUNK CFM 0 0 0 0 0 0	STATIC PRESS. 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0	ROUND DUCT 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	RECT DUCT 0 0 0 0 0 0	x x x x x x	8 8 8 8 8	VELOCITY (ft/min) 0 0 0 0 0 0 0
RETURN AIR # AIR VOLUME PLENUM PRESSURE ACTUAL DUCT LGH. EQUIVALENT LENGTH TOTAL EFFECTIVE LH ADJUSTED PRESSURE ROUND DUCT SIZE INLET GRILL SIZE	1 0 200 0.15 38 135 173 0.09 7.5 8 X	2 0 75 0.15 54 225 279 0.05 6 8 X	3 0 85 0.15 50 215 265 0.06 6 8 X	4 0 75 0.15 81 225 306 0.05 6 8 X	5 0 200 0.15 21 140 161 0.09 7.5 8 X 14	6 0 305 0.15 41 210 251 0.06 9.7 8 X 30	0 0 0.15 1 0 1 14.80 0 0 X	0 0 0.15 1 0 1 14.80 0 0 X	0 0 0.15 1 0 1 14.80 0 0 X	0 0 0.15 1 0 1 14.80 0 0 X	0 0 0.15 1 0 1 14.80 0 0 X	0 0 0.15 1 0 1 14.80 0 0 X	0 0 0.15 1 0 1 14.80 0 0 X	0 0 0.15 1 0 1 14.80 0 0 X	0 0 0.15 1 0 1 14.80 0 0 X	191 0.15 14 135 149 0.10 7.1 8 X	TRUNK V TRUNK W TRUNK X TRUNK Y TRUNK Z DROP	0 0 1131 465 0 1131	0.05 0.05 0.05 0.05 0.05 0.05	0 0 16.5 11.8 0 16.5	0 0 32 16 0 24	x x x x x	8 8 8 8 8 10	0 0 636 523 0 679



TYPE: SITE NAME: BRENTWOOD 2

TRINAR HALL HOMES

LO#

87604 LOT 019

RESIDENTIAL MECHANICAL VENTILATION DESIGN SUMMARY

COMBUSTION APPLIANCES 9.3	32.3.1(1)	SUPPLEMENTAL	. VENTILATION	CAPACITY				9.32.3.5.]
a)Direct vent (sealed combustion) only		Total Ventilation C	apacity		180	0.2		cfm	
b) Positive venting induced draft (except fireplaces)		Less Principal Ven	itil. Capacity		79	.5		cfm	
c) Natural draft, B-vent or induced draft gas fireplace		Required Supplem	ental Capacity		10	0.7		cfm	
d) Solid Fuel (including fireplaces)		DDINCIDAL EVUA	LIST FAN CAR	ACITY]
e) No Combustion Appliances		PRINCIPAL EXHA						_	
HEATING SYSTEM		Model:		E 65H	Loca	tion:	BSMT		
		79.5	cfm		sones		HVI A	Approved	
Forced Air Non Forced Air		PRINCIPAL EXHA		SS CALCULAT ΔT °F	FAC		%	LOSS	
Electric Space Heat		79.5 CFM	×	81 F	X 1.0)8 x	(0.25]
		SUPPLEMENTAL	FANS	Madal	PANAS		"		
HOUSE TYPE S	9.32.1(2)	Location ENS	FV	Model /-05-11VK1	cfı 5			ones 0.3	1
		BATH		/-05-11VK1	5			0.3	
I Type a) or b) appliance only, no solid fuel		ENS-4	F۷	/-05-11VK1	5) 🗸		0.3	
		PWD	FV	′-05-11VK1	5) 🗸	<u> </u>	0.3]
II Type I except with solid fuel (including fireplaces)		HEAT RECOVERY	/ VENTILATOR				9	32.3.11.	1
III Any Type c) appliance		Model: 155		ANEE 65H			-5	- Jan -	
IV Type I, or II with electric space heat		155		cfm high	6	<u>*</u>		m low	
Other: Type I, II or IV no forced air		75		sible Efficiency leg F (0 deg C)		✓	HVIA	pproved	
		LOCATION OF INS	STALLATION						, 1
SYSTEM DESIGN OPTIONS O.N	I.H.W.P.		o in television						
1 Exhaust only/Forced Air System		Lot:			Conces	sion			
2 HRV with Ducting/Forced Air System		Township		····	Plan:				
✓ 3 HRV Simplified/connected to forced air system		Address							
4 HRV with Ducting/non forced air system		Roll #			Building	Permit #			
		BUILDER:	GREE	NPARK HOME	s	[mbury
Part 6 Design		Name:			Ę	Our town, Our fature	Building Sta	ndards Branch B	BCIN #16487
TOTAL VENTILATION CAPACITY 9.3	32.3.3(1)	Address:				hese plans h			
Basement + Master Bedroom 2 @ 21.2 cfm 42.4	cfm	City:			S	ade without andards Bra oning By-La	nch. All	work must	comply wit
Other Bedrooms 3 @ 10.6 cfm 31.8	cfm	Telephone #:			Fav # ^a l	ntario Buile proved doc	ding Code uments mu	e, as ame ist be kept	nded. Thes
Windowski	cfm	INSTALLING CON	TRACTOR		tı	nes. The bosted on site	building p	ermit mus	t be clear
			IRACIOR			Discipline Building Code	Review		Date 2021-02-03
	cfm	Name:				Sewage Syster Zoning	m		
Table 9.32.3.A. TOTAL <u>180.2</u>	cfm	Address:		···					
PRINCIPAL VENTILATION CAPACITY REQUIRED 9.32	2.3.4.(1)	City:							
1 Bedroom 31.8	cfm	Telephone #:			Fax #:				
1 Bedicom 51.0	Cilli	DESIGNER CERTI	FICATION						
2 Bedroom 47.7	cfm	I hereby certify that in accordance with	this ventilation	•	n designed			İ	
3 Bedroom 63.6	cfm	Name:		Designs Ltd.					
4 Bedroom 79.5	cfm	Signature:		/iiii	shal Office	De.			
5 Bedroom 95.4	cfm	HRAI#			001820			[
TOTAL 79.5 cfm		Date:			Septembe	-20			
I REVIEW AND TAKE RESPONIBILITY FOR THE DESIGN WORK AND AM QUALIFIED			N "OTHER DESIGNE	R" UNDER DIVISIO	ON C, 3.2.5 OF TH	E BUILDING	CODE.		
INDIVIDUAL BCIN: 19669 MICHAEL O'ROURF	KE								



			***************************************	Calculations	oss and Heat Gain C	30-12 Residential Heat	CSA F28			
		***		alculation)	age / Ventiliation Cal	ula Sheet (For Air Leak	Form			
7/09/2020	Date: :	***			GREENPARK HOMES	Builder:	2	odel: BRENTWOOD	7604	LO#: 3
		a T Data	Air Change & Delt				1	Volume Calculation		
	0.054	E DATE	TURAL AIR CHANG	WINTED NA					i	use Volume
	0.254		TURAL AIR CHANG				Volume (ft³)	Floor Height (ft)	Floor Area (ft²)	Level
	0.071	DETATE	TOTAL PAIN CHAIN	JOHN TEN TO	<u></u>		11259	9	1251	Bsmt
					_		13761	11	1251	First
		mperature Diffe			_		14031	9	1559 0	Second Third
ΔT °F	ΔT °C	Tout °C	Tin °C	Wist DTDI	120		0	9	0	Fourth
81	45 6	-23 30	22	Winter DTDh Summer DTDc			39,051.0 ft ³	Total:		
11	0 1	30	24	Summer DTDC	<u> </u>		1105.8 m³	Total:		
		to Air Leakage	ensible Gain due	6.2.6 9			Leakage	leat Loss due to Air	5.2.3.	
		< 1.2	$\frac{V_b}{3.6} \times DTD_c >$	$G_{salb} = LR_{airc} \times$	HG		$TD_h \times 1.2$	$_{airh} \times \frac{V_b}{3.6} \times D^{\prime}$	$HL_{airb} = 1$	
159 W	. = [x <u>307.17</u>	= 0.071	= 4236 W	x <u>1.2</u>	x <u>45 °C</u>	x <u>307.17</u>	0.254
543 Btu/h	= [= 14453 Btu/h				
	n	ıe to Ventilatioı	sible heat Gain du	6.2.7 Ser			cal Ventilation	oss due to Mechani	5.2.3.2 Hea	
		(1-E)	$CD_h \times 1.08 \times 0$	$_{airb} = PVC \times DT$	HL_{vai}		$08 \times (1-E)$	$C \times DTD_h \times 1.$	$HL_{vairb} = I$	
236 Btu/h	= [x <u>0.25</u>	x <u>1.08</u>	x <u>11 °F</u>	80 CFM	= 1747 Btu/h	x <u>0.25</u>	x <u>1.08</u>	x <u>81 °F</u>	80 CFM
				v Multiplian Castian)	s for Each Boom /Floor I	ion of Air Change Heat Lo	5 2 3 3 Calculat			

		- (
$HL_{airr} = Level\ Factor$	$\times HL_{airbv}$	$\times \{(HL_{aacr} +$	$HL_{hacr}) \div$	$\div (HL_{aaclenel} -$	$+ HL_{haclovel})$

Level	Level Factor (LF)	HLairve Air Leakage + Ventilation Heat Loss (Btu/h)	Level Conductive Heat Loss: (HL _{clevel})	Air Leakage Heat Loss Multiplier (LF x HLairbv / HLlevel)
1	1 0.5		9,189	0.786
2	0.3		10,394	0.417
3	0.2	14,453	11,521	0.251
4	0		0	0.000
5	0		0	0.000

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



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.

Reviewer	BCIN	Date
H. Authier	43236	2021-02-03

^{*}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:	BRENTWOOD 2		LOT 019	BUILDER: GREENPARK HOMES	
SFQT:	2793	LO#	87604	SITE: TRINAR HALL HOMES	
DESIGN A	SSUMPTIONS		***		
HEATING			°F	COOLING	°F
OUTDOOF	R DESIGN TEMP.		-9	OUTDOOR DESIGN TEMP.	86
INDOOR D	ESIGN TEMP.		72	INDOOR DESIGN TEMP. (MAX 75°F)	75
BUILDING	DATA				
ATTACHM	ENT:		DETACHED	# OF STORIES (+BASEMENT):	3
EDONIT EA	056				
FRONT FA	CES:		EAST	ASSUMED (Y/N):	Y
AID CLIAN	GES PER HOUR:		2.50	ACCLINATED (V/NI).	Υ
AIN CHAIN	GES PEN HOUN.		2.50	ASSUMED (Y/N):	Y
AIR TIGHT	NESS CATEGORY:		TIGHT	ASSUMED (Y/N):	Y
7			110111	ASSOMED (1) N).	
WIND EXP	OSURE:		SHELTERED	ASSUMED (Y/N):	Υ
HOUSE VC	DLUME (ft³):		39051.0	ASSUMED (Y/N):	Υ
INTERNAL	SHADING:	BLINDS	/CURTAINS	ASSUMED OCCUPANTS:	5
INTERIOR	LIGHTING LOAD (Btu/	h/ft²):	1.35	DC BRUSHLESS MOTOR (Y/N):	Υ
FOUNDAT	ION CONFIGURATION		BCIN_1	DEPTH BELOW GRADE:	6.0 ft
LENGTH	5400	14//07/1	20.05		
LENGTH:	54.0 ft	WIDTH:	30.0 ft	EXPOSED PERIMETER:	168.0 ft

2012 OBC - COMPLIANCE PACKAGE			
		Compliance	Package
Component		ENERG	YSTAR
		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 Mi	nimum RSI (R)-Value	-	-
Edge of Below Grade Slab ≤ 600 mm Below Grade Minimur	n RSI (R)-Value	10	10
Heated Slab or Slab ≤ 600 mm below grade Minimum RSI (I	R)-Value	10	11.13
Windows and Sliding Glass Doors Maximum U-Value	*	ZONE 2	-
Skylights Maximum U-Value	East Gwillimbury	ZONE 2	-
Space Heating Equipment Minimum AFUE	Building Standards Branch BCIN #16487	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	0.9	-

INDIVIDUAL BCIN: 19669 MICHAEL O'ROURKE 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	2021-02-03
Sewage System			
Zoning			



Residential Foundation Thermal Load Calculator

Supplemental tool for CAN/CSA-F280

W	eather Sta	tion Description		
Province:	Ontario			
Region:	Bradford			
	Site D	escription		
Soil Conductivity:	Normal	onductivity: dry sand, loam, clay		
Water Table:	Normal	7-10 m, 23-33 ft)		
	Foundatio	n Dimensions		
Floor Length (m):	16.5			
Floor Width (m):	9.1			
Exposed Perimeter (m):	0.0			
Wall Height (m):	2.7			
Depth Below Grade (m):	1.83	Insulation Configuration		
Window Area (m²):	1.4			
Door Area (m²):	1.9			
	Radi	ant Slab	willin	ıbury
Heated Fraction of the Slab:	0	The Association of the Associati	ards Branch BCI	
Fluid Temperature (°C):	33	These plans have been rev corrections as noted. No made without written ap Standards Branch. All w Zoning By-Law 2018-043 Ontario Building Code,	other chan proval of the ork must contains as amend	ges may b he Buildin comply wit led, and th
	Desig	Months approved documents must times. The building per posted on site at all times.	be kept or	n site at a
Heating Month	1	Discipline Reviewe Building Code H. Authle Sewage System		Date 2021-02-03
	Founda	tion Loads		
Heating Load (Watts):		1746		

TYPE: BRENTWOOD 2

LO# 87604

LOT 019



Air Infiltration Residential Load Calculator

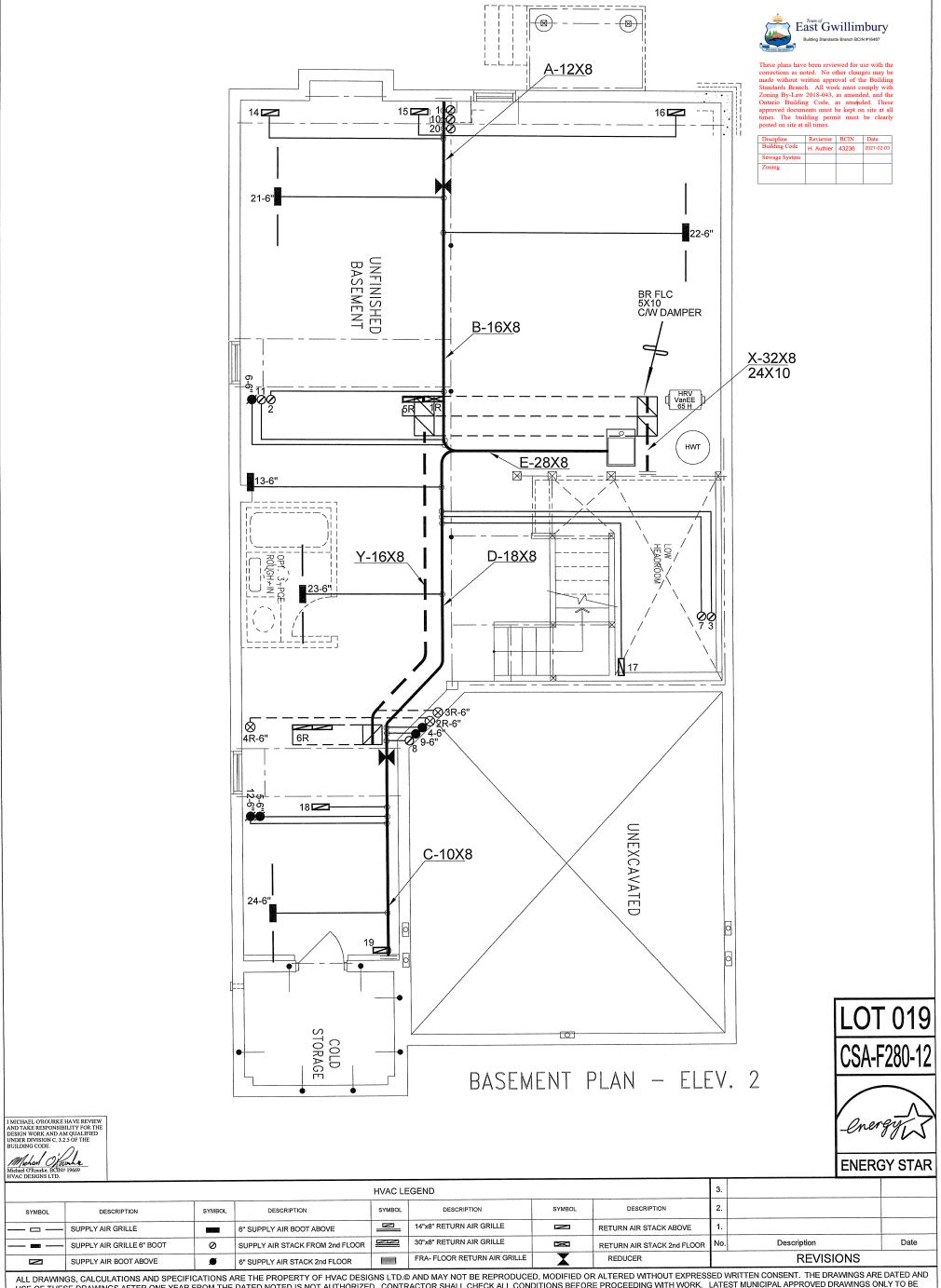
Supplemental tool for CAN/CSA-F280

Weath	er Station Description		
Province:	Ontario		
Region:	Bradford		
Weather Station Location:	Open flat terrain, grass	Trans of	
Anemometer height (m):	10	East Gwillim Building Standards Branch BCIN	
	Local Shielding	Our trees, Our June	tat at
Building Site:	Suburban, forest	These plans have been reviewed for u corrections as noted. No other chang made without written approval of the	ges may b e Buildir
Walls:	Heavy	Standards Branch. All work must co Zoning By-Law 2018-043, as amende Ontario Building Code, as amende	ed, and th
Flue:	, Heavy	approved documents must be kept on times. The building permit must	site at a
Highest Ceiling Height (m):	7.92	posted on site at all times. Discipline Reviewer BCIN	Date
Buil	ding Configuration	Building Code H. Authier 43236 Sewage System	2021-02-03
Type:	Detached	Zoning	
Number of Stories:	Two		
Foundation:	Full		
House Volume (m³):	1105.8		
Air L	eakage/Ventilation		
Air Tightness Type:	Energy Star Detached (2	2.5 ACH)	
Custom BDT Data:	ELA @ 10 Pa.	1032.3 cm²	
	2.50	ACH @ 50 Pa	
Mechanical Ventilation (L/s):	Total Supply	Total Exhaust	
	37.5	37.5	
	Flue Size		
Flue #:	#1 #2 #3 #4		
Diameter (mm):	0 0 0 0		
Natu	ral Infiltration Rates		
Heating Air Leakage Rate (A	CH/H): 0.254		
Cooling Air Leakage Rate (A	CH/H): 0.071		

TYPE: BRENTWOOD 2

LO# 87604

LOT 019



ALL DRAWINGS, CALCULATIONS AND SPECIFICATIONS ARE THE PROPERTY OF HVAC DESIGNS LTD. AND MAY NOT BE REPRODUCED, MODIFIED OR ALTERED WITHOUT EXPRESSED WRITTEN CONSENT. THE DRAWINGS ARE DATED AND USE OF THESE DRAWINGS AFTER ONE YEAR FROM THE DATED NOTED IS NOT AUTHORIZED. CONTRACTOR SHALL CHECK ALL CONDITIONS BEFORE PROCEEDING WITH WORK. LATEST MUNICIPAL APPROVED DRAWINGS ONLY TO BE USED DURING INSTALLATION OF HEATING SYSTEM. HVAC DESIGNS LTD. IS NOT LIABLE FOR ANY CLAIMS ARISING FROM UNAUTHORIZED USE OF THE DRAWINGS OR FROM ANY CHANGES TO ACCEPTED STANDARDS AND/OR THE

GREENPARK HOMES

TRINAR HALL HOMES EAST GWILLIMBURY, ONT.

LOT 019 **BRENTWOOD 2**

2793 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.

	SS 48060	BTU/H	# OF RUNS	S/A	R/A	FANS	Sh	
	JNIT DATA		3RD FLOOR					
MAKE								
G	OODMAN	2ND FLOOR	13	4	4			
MODEL GME	C960603BN	Α	1ST FLOOR	7	2	3		
INPUT	60	MBTU/H	BASEMENT	4	1	0	Da	
OUTPUT		MBTU/H	ALL S/A DIFFU	SERS	4 "v10)"	Sc	
	57.6	IVID I O/I I	UNLESS NOTE					
COOLING		TONS	ON LAYOUT. ALL S/A RUNS 5"Ø					
	2.5	UNLESS NOTED OTHERWISE						

cfm @ 0.6" w.c.

FAN SPEED

1131

ON LAYOUT. UNDERCUT

DOORS 1" min. FOR R/A

BASEMENT

HEATING

LAYOUT

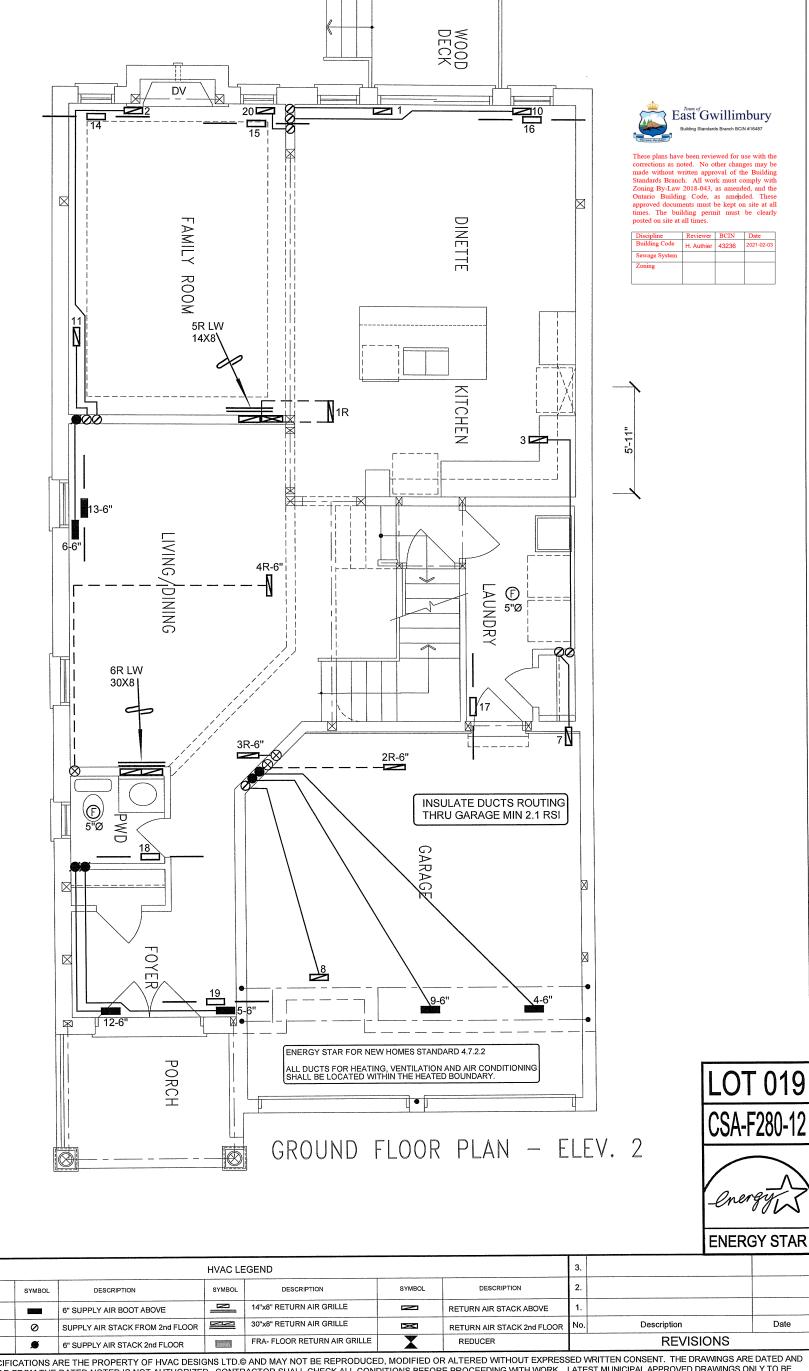
SEPT/2020

3/16" = 1'-0"

BCIN# 19669

LO#

87604



SYMBOL SUPPLY AIR GRILLE SUPPLY AIR GRILLE 6" BOOT SUPPLY AIR BOOT ABOVE

ALL DRAWINGS, CALCULATIONS AND SPECIFICATIONS ARE THE PROPERTY OF HVAC DESIGNS LTD. AND MAY NOT BE REPRODUCED, MODIFIED OR ALTERED WITHOUT EXPRESSED WRITTEN CONSENT. THE DRAWINGS ARE DATED AND USE OF THESE DRAWINGS AFTER ONE YEAR FROM THE DATED NOTED IS NOT AUTHORIZED. CONTRACTOR SHALL CHECK ALL CONDITIONS BEFORE PROCEEDING WITH WORK. LATEST MUNICIPAL APPROVED DRAWINGS ONLY TO BE USED DURING INSTALLATION OF HEATING SYSTEM. HVAC DESIGNS LTD. IS NOT LIABLE FOR ANY CLAIMS ARISING FROM UNAUTHORIZED USE OF THE DRAWINGS OR FROM ANY CHANGES TO ACCEPTED STANDARDS AND/OR THE ONTARIO BUILDING CODE.

GREENPARK HOMES

TRINAR HALL HOMES EAST GWILLIMBURY, ONT.

LOT 019 **BRENTWOOD 2**

2793 sqft

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

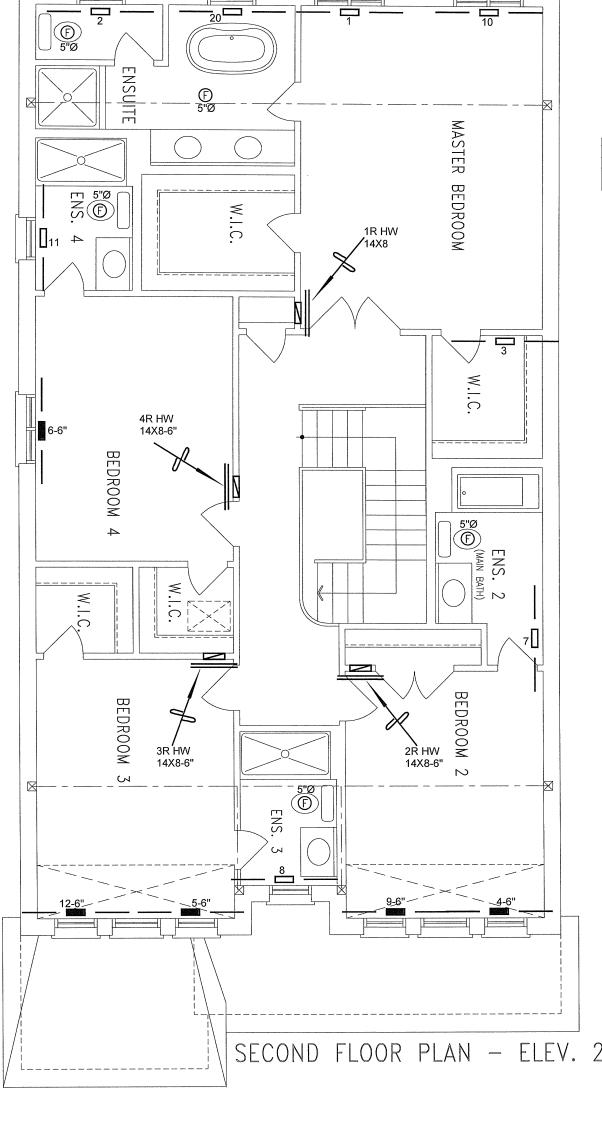
Installation to comply with the latest Ontario Building Code. All supply branch outlets shall be equipped with a manual balancing damper. Ductwork which passes through the garage or unheated spaces shall be adequately insulated and be gas-proofed.

FIRST FLOOR **HEATING LAYOUT**

SEPT/2020 3/16" = 1'-0"

BCIN# 19669

87604 LO#





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 amephded. 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	2021-02-03		
Sewage System					
Zoning					

LOT 019 CSA-F280-12



ENERGY STAR

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
	SUPPLY AIR BOOT ABOVE	.5	6" SUPPLY AIR STACK 2nd FLOOR		FRA- FLOOR RETURN AIR GRILLE	X	REDUCER	REVISIONS		

ALL DRAWINGS, CALCULATIONS AND SPECIFICATIONS ARE THE PROPERTY OF HVAC DESIGNS LTD.® AND MAY NOT BE REPRODUCED, MODIFIED OR ALTERED WITHOUT EXPRESSED WRITTEN CONSENT. THE DRAWINGS ARE DATED AND USE OF THESE DRAWINGS AFTER ONE YEAR FROM THE DATED NOTED IS NOT AUTHORIZED. CONTRACTOR SHALL CHECK ALL CONDITIONS BEFORE PROCEEDING WITH WORK. LATEST MUNICIPAL APPROVED DRAWINGS ONLY TO BE USED DURING INSTALLATION OF HEATING SYSTEM. HVAC DESIGNS LTD. IS NOT LIABLE FOR ANY CLAIMS ARISING FROM UNAUTHORIZED USE OF THE DRAWINGS OR FROM ANY CHANGES TO ACCEPTED STANDARDS AND/OR THE ONTARIO BUILDING CODE.

Client

GREENPARK HOMES

Project Name

TRINAR HALL HOMES
EAST GWILLIMBURY, ONT.

LOT 019 BRENTWOOD 2 г |

2793 sqft

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.

Sheet Title

SECOND FLOOR HEATING LAYOUT

Date SEPT/2020
Scale 3/16" = 1'-0"

BCIN# 19669

LO# 87604