

SITE NAME:	LECCO	RIDGE	.															DATE:	Dec-16			1	WINTE	R NATURAL AIR CH	ANGE	RATE	0.307		HEAT	LOS	S ΔT °F.	72			CSA-F	280-12
BUILDER:	GREEN	IPARK	HOME	s			•	TYPE:	JUNIP	ER 2				GFA:	2710			LO#	71347			S	UMME	R NATURAL AIR CH	ANGE	RATE	0.105		HEAT	T GAIN	N ΔT °F.	14			ENERG	YSTAR
ROOM USE				MBR			ENS			WIC			BED-2	T		BED-3	3		BED-4	$\neg \tau$		BATH				HALL			ENS-2	2						
EXP. WALL				41			25			12			15	ı		39			14			9				10			9		1					- 1
CLG. HT.				10			9		ŀ	9			10			10			9			9				9			9		1					i
	FACTO	ors																										l			ı					
GRS.WALL AREA	l			410			225			108			150			390			126			81				90			81							
GLAZING				LOSS	GAIN		LOSS	GAIN	l	LOSS	GAIN		LOSS	GAIN		LOSS	GAIN		LOSS G	AIN		LOSS	GAIN			LOSS	GAIN		LOSS	GAIN	ı۱					l
NORTH	17.9	15.8	0	0	0	0	0	0	۰	0	0	0	0	0	0	0	0	0	0	0	0	0	0		21	375	333	7	125					1		- 1
EAST	17.9	41.4	0	o	ŏ	0	o	0	12	214	497	45	-	1864		1053		0	0	0	0	0	0		0	0	0	0	0	0	1			l		ı
SOUTH	17.9	24.8	0	0	ő	ο ο	143	198	"	-1-	0	0	000	0	٨		0	16	-	396	7	125	173		Ô	0	0	0	0	0	1			l		
WEST	17.9	41.4	36	643	1491	16	286	663	١٠	0	0	Ĭ	n	o l	0	0	ő	0	0	0	0	0	0		0	0	0	0	0	0	1			l		
SKYLT.	ı		0		0	0	0		١،	0	0	0	0	0	0	^	ő	0	0	ŏ	0	n	o		0	ō	0	٥	0	0	1			l		
DOORS	30.6	101.2	0	0	-	0	0	0	l ö	0	0	0	0	ö	0	0	ő	0	0	0	0	^	0		0	0	0	0	0	0				l		
		4.7	-	0	0	-	-	-		-	-	-	-	- 1	-	-			-			404	-		-	181	-	74	194							
NET EXPOSED WALL	2.6	0.5	374	979	189	201	526	102	96	251	49	105	275	53	331	866	167	110	288	56	74 0	194 0	37		69 0		35 0	0	194	0						
NET EXPOSED BSMT WALL ABOVE GR		0.6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		-	0			0			-					1		
EXPOSED CLG	1.4	0.7	400	551	274	156	215	107	36	50	25	160		110	271	373	186	169		116	81	112	55		175	241	120	63	87 0	43 0				l		
NO ATTIC EXPOSED CLG		1.1	0	0	0	0	0	0	0	0	0	48	108	54	66	148	74	0	0	0	0	0	0		0	0	0	1 *	-							1
EXPOSED FLOOR	2.2	0.4	0	0	0	0	0	0	36	79	15	208	456	88	0	0	0	0	0	0	0	0	0		57	125	24	63	138	27	1					l
BASEMENT/CRAWL HEAT LOSS				0			0			0			0			0			0	ŀ		0				0			0		1					l
SLAB ON GRADE HEAT LOSS				0			0		1	0			0			0			0			0				0			0		1					l
SUBTOTAL HT LOSS				2172			1169		l	594		1	1862			2441			806	- 1		430				922		l	544					l		l
SUB TOTAL HT GAIN					1954			1069	1		586			2168			2871			568			266				512	1		218	3			l		
LEVEL FACTOR / MULTIPLIER			0.20	0.26		0.20	0.26		0.20	0.26		0.20	0.26		0.20	0.26		0.20		l	0.20				0.20	0.26		0.20	0.26		1					l
AIR CHANGE HEAT LOSS				572			308			156		1	490			643			212	1		113				243			143					l		
AIR CHANGE HEAT GAIN					140			77	l		42			156			206			41			19				37			16	i					l
DUCT LOSS				0			0			75		1	235			0			0	- 1		0				116		l	69					l		
DUCT GAIN	1				0			0			63	1		318			0			0			0				55	1		23				l		
HEAT GAIN PEOPLE	240		2		480	0		0	0		0	1		240	1		240	1		240	0		0		0		0	0		0						1
HEAT GAIN APPLIANCES/LIGHTS					619			0			0			619			619			619			0				0			0				İ		
TOTAL HT LOSS BTU/H				2744			1477			825			2588			3084			1019			543				1281			755		ı			ŀ		
	1								l .																									i		- 1
TOTAL HT GAIN x 1.3 BTU/H	l				4152	ł		1490	l		897	1		4552			5116			1907			371				784	1		334	1					
TOTAL HT GAIN x 1.3 BTU/H					4152			1490	l		897	<u> </u>		4552			5116			1907			371				784	L		334	1			l		
ROOM USE	l			OFF	4152		DIN	1490		KT/FM	897			4552		LAUN			W/R	1907		FOY	371				784	I		334	<u> </u>	WOD			BAS	
					4152		DIN 24	1490		KT/FM 73	897			4552		LAUN 30				1907		FOY 22	371				784	L		334		WOD 58			BAS 170	
ROOM USE				OFF	4152			1490			897			4552					W/R	1907			371				784			334						
ROOM USE EXP. WALL	FACTO)RS		OFF 25	4152		24	1490		73	897			4552		30			W/R 7	1907		22	371				784			334		58			170	
ROOM USE EXP. WALL	1			OFF 25	4152		24	1490		73	897			4552		30			W/R 7	1907		22	371				784			334		58			170	
ROOM USE EXP. WALL CLG. HT.	1			OFF 25 11			24 10			73 10 730				4552		30 12	I		W/R 7 11			22 11					784			334		58 9	GAIN		170 9	GAIN
ROOM USE EXP. WALL CLG. HT. GRS.WALL AREA	1		10	OFF 25 11			24 10 240		0	73 10 730				4552		30 12 360	I	0	W/R 7 11		0	22 11 242					784		-	334	16	58 9 522	GAIN 253	10	170 9 1194	GAIN 158
ROOM USE EXP. WALL CLG. HT. GRS.WALL AREA GLAZING	LOSS	GAIN	10 30	OFF 25 11 275 LOSS	GAIN	0 0	24 10 240 LOSS	GAIN		73 10 730 LOSS	GAIN			4552		30 12 360 LOSS	I GAIN	0	W/R 7 11 77 LOSS (3AIN	0	22 11 242 LOSS	GAIN							334		58 9 522 LOSS		F .	170 9 1194 LOSS	1
ROOM USE EXP. WALL CLG. HT. GRS.WALL AREA GLAZING NORTH	17.9 17.9	GAIN 15.8		OFF 25 11 275 LOSS 179	GAIN 158	1	24 10 240 LOSS 0	GAIN 0	0	73 10 730 LOSS 0	GAIN 0			4552		30 12 360 LOSS 125	GAIN	0 0 7	W/R 7 11 77 LOSS 0 0	GAIN 0	0 0 0	22 11 242 LOSS 0	GAIN 0			R		EIVE	ΞD	334		58 9 522 LOSS	253	F .	170 9 1194 LOSS 179	158
ROOM USE EXP. WALL CLG. HT. GRS.WALL AREA GLAZING NORTH EAST	17.9 17.9 17.9 17.9	15.8 41.4 24.8	30	OFF 25 11 275 LOSS 179 536	GAIN 158 1243	0	24 10 240 LOSS 0 0	GAIN 0 0	0 0	73 10 730 LOSS 0 0	GAIN 0 0			4552	7 0	30 12 360 LOSS 125 0	GAIN 111	0	W/R 7 11 77 LOSS 0 0	GAIN 0 0	0	22 11 242 LOSS 0 0	GAIN 0				ECI	EIVE				58 9 522 LOSS 286 0	253 0	F .	170 9 1194 LOSS 179	158 0
ROOM USE EXP. WALL CLG. HT. GRS.WALL AREA GLAZING NORTH EAST SOUTH	17.9 17.9	GAIN 15.8 41.4	30 0	OFF 25 11 275 LOSS 179 536 0	GAIN 158 1243 0	0 22	24 10 240 LOSS 0 0 393	GAIN 0 0 545	0	73 10 730 LOSS 0 0	GAIN 0 0			4552	7 0 0	30 12 360 LOSS 125 0	GAIN 111 0 0	0 7	W/R 7 11 77 LOSS 0 0 125	GAIN 0 0 173	0	22 11 242 LOSS 0 0	GAIN 0 0			TOV	IECI WN O	FMI	LTO		16 0 0	58 9 522 LOSS 286 0	253 0 0	F .	170 9 1194 LOSS 179	158 0 0
ROOM USE EXP. WALL CLG. HT. GRS.WALL AREA GLAZING NORTH EAST SOUTH WEST SKYLT.	17.9 17.9 17.9 17.9 30.6	15.8 41.4 24.8 41.4 101.2	30 0 0 0	OFF 25 11 275 LOSS 179 536 0	GAIN 158 1243 0	0 22 0	24 10 240 LOSS 0 0 393 0	GAIN 0 0 545 0	0 0 0 123	73 10 730 LOSS 0 0 0 2196	GAIN 0 0 0 5095			4552	7 0 0 0	30 12 360 LOSS 125 0	GAIN 111 0 0 0	0 7 0	W/R 7 11 77 LOSS 0 0 125	GAIN 0 0 173	0 0 0	22 11 242 LOSS 0 0 0	GAIN 0 0 0			TOV	IECI WN O		LTO		16 0 0	58 9 522 LOSS 286 0 0	253 0 0 0	10 0 0 0	170 9 1194 LOSS 179 0 0	158 0 0 0
ROOM USE EXP. WALL CLG. HT. GRS.WALL AREA GLAZING NORTH EAST SOUTH WEST SKYLT. DOORS	17.9 17.9 17.9 17.9 30.6 24.1	15.8 41.4 24.8 41.4 101.2 4.7	30 0 0 0 0	OFF 25 11 275 LOSS 179 536 0 0	GAIN 158 1243 0 0	0 22 0 0	24 10 240 LOSS 0 0 393 0 0	GAIN 0 0 545 0	0 0 0 123 0	73 10 730 LOSS 0 0 0 2196	GAIN 0 0 0 5095 0			4552	7 0 0	30 12 360 LOSS 125 0 0	GAIN 111 0 0	0 7 0 0	W/R 7 11 77 LOSS 0 0 125 0 0	GAIN 0 0 173 0 0	0 0	22 11 242 LOSS 0 0 0	GAIN 0 0 0			TOV M	LECI VN O	FMI	LTO)17		16 0 0 0	58 9 522 LOSS 286 0 0	253 0 0 0 0	10 0 0 0	170 9 1194 LOSS 179 0 0	158 0 0 0 0
ROOM USE EXP. WALL CLG. HT. GRS.WALL AREA GLAZING NORTH EAST SOUTH WEST SKYLT. DOORS NET EXPOSED WALL	17.9 17.9 17.9 17.9 30.6 24.1 2.6	15.8 41.4 24.8 41.4 101.2 4.7 0.5	30 0 0 0 0 0 235	OFF 25 11 275 LOSS 179 536 0	GAIN 158 1243 0 0 0	0 22 0 0	24 10 240 LOSS 0 0 393 0	GAIN 0 0 545 0 0	0 0 0 123	73 10 730 LOSS 0 0 0 2196 0	GAIN 0 0 0 5095			4552	7 0 0 0 0 20	30 12 360 LOSS 125 0 0 0	GAIN 111 0 0 0 0	0 7 0 0	W/R 7 11 77 LOSS 0 0 125 0 0	3AIN 0 0 173 0	0 0 0 0 0 45	22 11 242 LOSS 0 0 0 0	GAIN 0 0 0 0 0			TOV M	IECI VN O IAR 2 JUNI	F MI 29, 20 PER	LTO)17 2	N	16 0 0 0	58 9 522 LOSS 286 0 0 0	253 0 0 0 0 0	10 0 0 0 0 0 20	170 9 1194 LOSS 179 0 0 0	158 0 0 0 0 0 93
ROOM USE EXP. WALL CLG. HT. GRS.WALL AREA GLAZING NORTH EAST SOUTH WEST SKYLT. DOORS NET EXPOSED WALL NET EXPOSED BMIL ABOVE GR	17.9 17.9 17.9 17.9 30.6 24.1 2.6 3.3	15.8 41.4 24.8 41.4 101.2 4.7 0.5 0.6	30 0 0 0 0 0 235	OFF 25 11 275 LOSS 179 536 0 0 0 0 615	GAIN 158 1243 0 0 0 119	0 22 0 0 0 218	24 10 240 LOSS 0 0 393 0 0 0 570	GAIN 0 0 545 0 0 110	0 0 0 123 0 0 607	73 10 730 LOSS 0 0 0 2196 0 0 1588	GAIN 0 0 5095 0 0 307			4552	7 0 0 0 0 20 333 0	30 12 360 LOSS 125 0 0 0	GAIN 111 0 0 0 93 168 0	0 7 0 0 0 70	W/R 7 11 77 LOSS 0 0 125 0 0	GAIN 0 0 173 0 0 0 35	0 0 0 0 45 197	22 11 242 LOSS 0 0 0 0 0 1082 515 0	GAIN 0 0 0 0 0 209 100		E	TOV M	IECI VN O IAR 2 JUNI	F MI 29, 20	LTO)17 2	N	16 0 0 0 0	58 9 522 LOSS 286 0 0 0 0	253 0 0 0 0 0	10 0 0 0 0 20	170 9 1194 LOSS 179 0 0 0 481	158 0 0 0 0 0 93
ROOM USE EXP. WALL CLG. HT. GRS.WALL AREA GLAZING NORTH EAST SOUTH WEST SKYLT. DOORS NET EXPOSED WALL NET EXPOSED BSMT WALL ABOVE OR EXPOSED CLG	17.9 17.9 17.9 17.9 30.6 24.1 2.6 3.3 1.4	15.8 41.4 24.8 41.4 101.2 4.7 0.5 0.6 0.7	30 0 0 0 0 235 0	OFF 25 11 275 LOSS 179 536 0 0 0 0 615 0	GAIN 158 1243 0 0 0 119 0	0 22 0 0 0 218 0	24 10 240 LOSS 0 393 0 0 0 570 0	GAIN 0 0 545 0 0 110 0	0 0 0 123 0 0 607	73 10 730 LOSS 0 0 0 2196 0 0 1588 0	GAIN 0 0 0 5095 0 0 307 0			4552	7 0 0 0 0 20 333	30 12 360 LOSS 125 0 0 0	GAIN 111 0 0 0 93 168 0	0 7 0 0 0 70 0	W/R 7 11 77 LOSS 0 0 125 0 0 183 0	3AIN 0 0 173 0 0 0 35 0	0 0 0 0 45 197 0	22 11 242 LOSS 0 0 0 0 0 1082 515 0	GAIN 0 0 0 0 0 209		E	TOV M	IECI VN O IAR 2 JUNI	F MI 29, 20 PER	LTO)17 2	N	16 0 0 0 0 0 0 0 332	58 9 522 LOSS 286 0 0 0 0 0	253 0 0 0 0 0 0 0 214	10 0 0 0 0 20	170 9 1194 LOSS 179 0 0 0 481 0	158 0 0 0 0 93 0 217
ROOM USE EXP. WALL CLG. HT. GRS.WALL AREA GLAZING NORTH EAST SOUTH WEST SKYLT. DOORS NET EXPOSED WALL NET EXPOSED BALL NO ATTIC EXPOSED CLG	17.9 17.9 17.9 17.9 30.6 24.1 2.6 3.3 1.4 2.2	15.8 41.4 24.8 41.4 101.2 4.7 0.5 0.6 0.7 1.1	30 0 0 0 0 235 0 0	OFF 25 11 275 LOSS 179 536 0 0 0 615 0	GAIN 158 1243 0 0 0 119 0	0 22 0 0 0 218 0 0	24 10 240 LOSS 0 0 393 0 0 0 570 0	GAIN 0 545 0 0 110 0	0 0 123 0 0 607 0	73 10 730 LOSS 0 0 2196 0 0 1588 0	GAIN 0 0 5095 0 0 307 0			4552	7 0 0 0 20 333 0	30 12 360 LOSS 125 0 0 0 481 871 0 0	GAIN 111 0 0 0 93 168 0	0 7 0 0 0 70 0	W/R 7 11 77 LOSS 0 0 125 0 0 183 0 0	GAIN 0 0 173 0 0 0 35 0	0 0 0 0 45 197 0	22 11 242 LOSS 0 0 0 0 0 1082 515 0 0	GAIN 0 0 0 0 0 209 100 0		E	TOV M	IECI VN O IAR 2 JUNI	F MI 29, 20 PER	LTO)17 2	N	16 0 0 0 0 0 0 332	58 9 522 LOSS 286 0 0 0 0 0 0 1108 0	253 0 0 0 0 0 0 0 214	10 0 0 0 0 20	170 9 1194 LOSS 179 0 0 0 481 0 1122 0	158 0 0 0 0 93 0 217 0
ROOM USE EXP. WALL CLG. HT. GRS.WALL AREA GLAZING NORTH EAST SOUTH WEST SKYLT. DOORS NET EXPOSED WALL NET EXPOSED BSMT WALL ABOVE OR EXPOSED CLG NO ATTIC EXPOSED CLG EXPOSED FLOOR	17.9 17.9 17.9 17.9 30.6 24.1 2.6 3.3 1.4 2.2	15.8 41.4 24.8 41.4 101.2 4.7 0.5 0.6 0.7	30 0 0 0 0 235 0	OFF 25 11 275 LOSS 179 536 0 0 0 0 615 0	GAIN 158 1243 0 0 0 119 0	0 22 0 0 0 218 0	24 10 240 LOSS 0 393 0 0 0 570 0	GAIN 0 0 545 0 0 110 0	0 0 0 123 0 0 607	73 10 730 LOSS 0 0 0 2196 0 0 1588 0	GAIN 0 0 0 5095 0 0 307 0		-	4552	7 0 0 0 0 20 333 0	30 12 360 LOSS 125 0 0 0 0 481 871 0	GAIN 111 0 0 0 93 168 0	0 7 0 0 0 70 0	W/R 7 11 77 LOSS 0 0 125 0 0 183 0	3AIN 0 0 173 0 0 0 35 0	0 0 0 0 45 197 0	22 11 242 LOSS 0 0 0 0 0 1082 515 0 0	GAIN 0 0 0 0 209 100 0			TOV M SUIL	ECI VN O IAR 2 JUNI DINO	F MI 29, 20 PER € DIV	LTO)17 2 /ISIC	N	16 0 0 0 0 0 0 332	58 9 522 LOSS 286 0 0 0 0 0 0 1108	253 0 0 0 0 0 0 0 214 0	10 0 0 0 0 20 0 336 0	170 9 1194 LOSS 179 0 0 0 481 0 1122 0	158 0 0 0 0 93 0 217 0
ROOM USE EXP. WALL CLG. HT. GRS.WALL AREA GLAZING NORTH EAST SOUTH WEST SKYLT. DOORS NET EXPOSED WALL NET EXPOSED USL EXPOSED CLG NO ATTIC EXPOSED FLOOR BASEMENT/CRAWL HEAT LOSS	17.9 17.9 17.9 17.9 30.6 24.1 2.6 3.3 1.4 2.2	15.8 41.4 24.8 41.4 101.2 4.7 0.5 0.6 0.7 1.1	30 0 0 0 0 235 0 0	OFF 25 11 275 LOSS 179 536 0 0 0 615 0 0	GAIN 158 1243 0 0 0 119 0	0 22 0 0 0 218 0 0	24 10 240 LOSS 0 0 393 0 0 570 0 0 0	GAIN 0 545 0 0 110 0	0 0 123 0 0 607 0	73 10 730 LOSS 0 0 2196 0 0 1588 0 0 22	GAIN 0 0 5095 0 0 307 0			4552	7 0 0 0 20 333 0	30 12 360 LOSS 125 0 0 0 481 871 0 0 0	GAIN 111 0 0 0 93 168 0	0 7 0 0 0 70 0	W/R 7 11 77 LOSS 6 0 0 125 0 0 183 0 0 0 0	GAIN 0 0 173 0 0 0 35 0	0 0 0 0 45 197 0	22 11 242 LOSS 0 0 0 0 1082 515 0 0 0	GAIN 0 0 0 0 0 209 100 0	PI AN		TOV M SUIL	ECI VN O JAR 2 JUNI DINO	F MI 29, 20 PER 3 DIV I	LTO 017 2 (ISIC	NON	16 0 0 0 0 0 0 332	58 9 522 LOSS 286 0 0 0 0 0 1108 0 0	253 0 0 0 0 0 0 0 214 0	10 0 0 0 0 20 0 336 0	170 9 1194 LOSS 179 0 0 0 481 0 1122 0	158 0 0 0 0 93 0 217 0
ROOM USE 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 EXPOSED FLOOR BASEMENT/CRAWL HEAT LOSS SLAB ON GRADE HEAT LOSS	17.9 17.9 17.9 17.9 30.6 24.1 2.6 3.3 1.4 2.2	15.8 41.4 24.8 41.4 101.2 4.7 0.5 0.6 0.7 1.1	30 0 0 0 0 235 0 0	OFF 25 11 275 LOSS 179 536 0 0 0 615 0 0	GAIN 158 1243 0 0 0 119 0	0 22 0 0 0 218 0 0	24 10 240 LOSS 0 0 393 0 0 0 570 0 0	GAIN 0 545 0 0 110 0	0 0 123 0 0 607 0	73 10 730 LOSS 0 0 2196 0 1588 0 0 22 0	GAIN 0 0 5095 0 0 307 0			4552	7 0 0 0 20 333 0	30 12 360 LOSS 125 0 0 0 481 871 0 0 0	GAIN 111 0 0 0 93 168 0	0 7 0 0 0 70 0	W/R 7 11 77 LOSS 0 0 0 125 0 0 0 183 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	GAIN 0 0 173 0 0 0 35 0	0 0 0 0 45 197 0	22 11 242 LOSS 0 0 0 0 1082 515 0 0 0	GAIN 0 0 0 0 0 209 100 0	PLAN		M BUIL FOW	ECI VN O AR 2 JUNI DINC	F MI 29, 20 PER 3 DIV I OF M	LTO 017 2 /ISIC	ON ON ENT	16 0 0 0 0 0 0 332	58 9 522 LOSS 286 0 0 0 0 0 1108 0 0	253 0 0 0 0 0 0 0 214 0	10 0 0 0 0 20 0 336 0	170 9 1194 LOSS 179 0 0 481 0 1122 0 0 0 5663	158 0 0 0 0 93 0 217 0
ROOM USE EXP. WALL CLG. HT. GRS.WALL AREA GLAZING NORTH EAST SOUTH WEST SKYLT. DOORS NET EXPOSED WALL NET EXPOSED WALL NET EXPOSED CLG EXPOSED CLG NO ATTIC EXPOSED CLG BASEMENTICRAWL HEAT LOSS SLAB ON GRADE HEAT LOSS SUBTOTAL HT LOSS	17.9 17.9 17.9 17.9 30.6 24.1 2.6 3.3 1.4 2.2	15.8 41.4 24.8 41.4 101.2 4.7 0.5 0.6 0.7 1.1	30 0 0 0 0 235 0 0	OFF 25 11 275 LOSS 179 536 0 0 0 615 0 0	GAIN 158 1243 0 0 0 119 0 0	0 22 0 0 0 218 0 0	24 10 240 LOSS 0 0 393 0 0 570 0 0 0	GAIN 0 0 545 0 0 0 110 0 0	0 0 123 0 0 607 0	73 10 730 LOSS 0 0 2196 0 0 1588 0 0 22	GAIN 0 0 5095 0 0 307 0 0			4552	7 0 0 0 20 333 0	30 12 360 LOSS 125 0 0 0 481 871 0 0 0	GAIN 1111 0 0 0 93 168 0 0	0 7 0 0 0 70 0	W/R 7 11 77 LOSS 0 0 0 125 0 0 0 183 0 0 0 0 0 0 308	GAIN 0 0 173 0 0 35 0 0	0 0 0 0 45 197 0	22 11 242 LOSS 0 0 0 0 1082 515 0 0 0	GAIN 0 0 0 0 0 209 100 0 0	WILTON	- NINC	M BUIL FOW ANI	ECI VN O AR 2 JUNI DINO VN C D DE	F MI 29, 20 PER 3 DIV I	LTO 017 2 /ISIC	ON ON ENT	16 0 0 0 0 0 0 332	58 9 522 LOSS 286 0 0 0 0 0 1108 0 0	253 0 0 0 0 0 0 214 0	10 0 0 0 0 20 0 336 0	170 9 1194 LOSS 179 0 0 0 481 0 1122 0	158 0 0 0 0 93 0 217 0 0
ROOM USE EXP. WALL CLG. HT. GRS.WALL AREA GLAZING NORTH EAST SOUTH WEST SKYLT. DOORS NET EXPOSED WALL NET EXPOSED BMT WALL ABOVE OR EXPOSED CLG NO ATTIC EXPOSED CLG EXPOSED FLOOR BASEMENT/CRAWL HEAT LOSS SLAB ON GRADE HEAT LOSS SUBTOTAL HT LOSS SUB TOTAL HT GAIN	17.9 17.9 17.9 17.9 30.6 24.1 2.6 3.3 1.4 2.2	15.8 41.4 24.8 41.4 101.2 4.7 0.5 0.6 0.7 1.1	30 0 0 0 0 235 0 0	OFF 25 11 275 LOSS 179 536 0 0 0 615 0 0 0 0 1329	GAIN 158 1243 0 0 0 119 0	0 22 0 0 0 218 0 0	24 10 240 LOSS 0 0 393 0 0 570 0 0 0 0	GAIN 0 545 0 0 110 0	0 0 0 123 0 0 607 0 0	73 10 730 LOSS 0 0 0 2196 0 0 1588 0 0 22 0 0 0 3806	GAIN 0 0 5095 0 0 307 0			4552	7 0 0 0 20 333 0 0	30 12 360 LOSS 125 0 0 0 481 871 0 0 0 0	GAIN 111 0 0 0 93 168 0	0 7 0 0 70 0 0	W/R 7 11 77 LOSS 0 0 125 0 0 183 0 0 0 308	GAIN 0 0 173 0 0 0 35 0	0 0 0 45 197 0 0	22 11 242 LOSS 0 0 0 0 1082 515 0 0 0 0 0	GAIN 0 0 0 0 0 209 100 0	BUILDING: R	NINC	TOW M BUIL FOW ANI J EWE	ECI VN O AR 2 JUNI DINO VN C D DE	PER DIV	LTO 017 2 /ISIC IILT DPMI	ON ON ENT DEL	16 0 0 0 0 0 0 332 0	58 9 522 LOSS 286 0 0 0 0 0 1108 0 0	253 0 0 0 0 0 0 0 214 0	10 0 0 0 0 20 0 336 0	170 9 1194 LOSS 179 0 0 0 481 0 1122 0 0 5663	158 0 0 0 0 93 0 217 0
ROOM USE EXP. WALL CLG. HT. GRS.WALL AREA GLAZING NORTH EAST SOUTH WEST SKYLT. DOORS NET EXPOSED WALL NET EXPOSED WALL NET EXPOSED LGG EXPOSED CLG EXPOSED FLOOR BASEMENT/CRAWL HEAT LOSS SLAB ON GRADE HEAT LOSS SUBTOTAL HT GAIN LEVEL FACTOR / MULTIPLIER	17.9 17.9 17.9 17.9 30.6 24.1 2.6 3.3 1.4 2.2	15.8 41.4 24.8 41.4 101.2 4.7 0.5 0.6 0.7 1.1	30 0 0 0 0 235 0 0	OFF 25 11 275 LOSS 179 536 0 0 0 615 0 0 0 1329 0.46	GAIN 158 1243 0 0 0 119 0 0	0 22 0 0 0 218 0 0	24 10 240 LOSS 0 0 0 393 0 0 0 570 0 0 0 0 0 963	GAIN 0 0 545 0 0 0 110 0 0	0 0 0 123 0 0 607 0 0	73 10 730 LOSS 0 0 0 2196 0 0 1588 0 0 222 0 0 0 3806 0.46	GAIN 0 0 5095 0 0 307 0 0			4552	7 0 0 0 20 333 0 0	30 12 360 LOSS 125 0 0 481 871 0 0 0 0 1477	GAIN 1111 0 0 0 93 168 0 0	0 7 0 0 0 70 0	W/R 7 11 77 LOSS 6 0 0 125 0 0 183 0 0 0 308	GAIN 0 0 173 0 0 35 0 0	0 0 0 0 45 197 0	22 11 242 LOSS 0 0 0 0 1082 515 0 0 0 0 0 1598	GAIN 0 0 0 0 0 209 100 0 0	WILTON	NINC	TOW M BUIL FOW ANI J EWE	ECI VN O AR 2 JUNI DINO VN C D DE	PER DIV	LTO 017 2 /ISIC IILT DPMI MOI	ON ON ENT DEL	16 0 0 0 0 0 0 0 332 0 0	58 9 522 LOSS 286 0 0 0 0 0 1108 0 0	253 0 0 0 0 0 0 214 0	10 0 0 0 0 20 0 336 0	170 9 1194 LOSS 179 0 0 0 481 0 1122 0 0 5663 7444	158 0 0 0 0 93 0 217 0 0
ROOM USE EXP. WALL CLG. HT. GRS.WALL AREA GLAZING NORTH EAST SOUTH WEST SKYLT. DOORS NET EXPOSED WALL NET EXPOSED EAST EXPOSED CLG NO ATTIC EXPOSED CLG EXPOSED FLOOR BASEMENT/GRAWL HEAT LOSS SUB TOTAL HT GAIN LEVEL FACTOR / MULTIPLIER AIR CHANGE HEAT LOSS	17.9 17.9 17.9 17.9 30.6 24.1 2.6 3.3 1.4 2.2	15.8 41.4 24.8 41.4 101.2 4.7 0.5 0.6 0.7 1.1	30 0 0 0 0 235 0 0	OFF 25 11 275 LOSS 179 536 0 0 0 615 0 0 0 0 1329	GAIN 158 1243 0 0 0 1119 0 0 0	0 22 0 0 0 218 0 0	24 10 240 LOSS 0 0 393 0 0 570 0 0 0 0	GAIN 0 0 545 0 0 110 0 0 0	0 0 0 123 0 0 607 0 0	73 10 730 LOSS 0 0 0 2196 0 0 1588 0 0 22 0 0 0 3806	GAIN 0 0 5095 0 0 0 11 0			4552	7 0 0 0 20 333 0 0	30 12 360 LOSS 125 0 0 0 481 871 0 0 0 0	GAIN 1111 0 0 0 0 93 168 0 0 0 0 0 372	0 7 0 0 70 0 0	W/R 7 11 77 LOSS 0 0 125 0 0 183 0 0 0 308	GAIN 0 0 173 0 0 35 0 0 0	0 0 0 45 197 0 0	22 11 242 LOSS 0 0 0 0 1082 515 0 0 0 0 0	GAIN 0 0 0 0 0 209 100 0 0 0	BUILDING: R	NIN(REVII RRIF	TOW M BUIL FOW ANI J EWE	ECI VN O AR 2 JUNI DINO VN C D DE	PER DIV	LTO 017 2 /ISIC IILT DPMI MOI	ON ON ENT DEL	16 0 0 0 0 0 0 0 332 0 0	58 9 522 LOSS 286 0 0 0 0 0 1108 0 0	253 0 0 0 0 0 0 214 0	10 0 0 0 0 20 0 336 0	170 9 1194 LOSS 179 0 0 0 481 0 1122 0 0 5663	158 0 0 0 93 0 217 0 0
ROOM USE 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 EXPOSED FLOOR BASEMENT/CRAWL HEAT LOSS SLAB ON GRADE HEAT LOSS SUB TOTAL HT GAIN LEVEL FACTOR / MULTIPLIER AIR CHANGE HEAT LOSS AIR CHANGE HEAT LOSS	17.9 17.9 17.9 17.9 30.6 24.1 2.6 3.3 1.4 2.2	15.8 41.4 24.8 41.4 101.2 4.7 0.5 0.6 0.7 1.1	30 0 0 0 0 235 0 0	OFF 25 11 275 LOSS 179 536 0 0 0 615 0 0 0 1329 0.46	GAIN 158 1243 0 0 0 119 0 0	0 22 0 0 0 218 0 0	24 10 240 LOSS 0 0 0 393 0 0 0 570 0 0 0 0 0 963	GAIN 0 0 545 0 0 0 110 0 0	0 0 0 123 0 0 607 0 0	73 10 730 LOSS 0 0 0 2196 0 0 1588 0 0 222 0 0 0 3806 0.46	GAIN 0 0 5095 0 0 307 0 0			4552	7 0 0 0 20 333 0 0	30 12 360 LOSS 125 0 0 0 0 481 871 0 0 0 0 1477	GAIN 1111 0 0 0 93 168 0 0	0 7 0 0 70 0 0	W/R 7 11 77 LOSS 0 0 125 0 0 125 0 0 0 308	GAIN 0 0 173 0 0 35 0 0	0 0 0 45 197 0 0	22 11 242 LOSS 0 0 0 0 1082 515 0 0 0 0 1598	GAIN 0 0 0 0 0 209 100 0 0	BUILDING: R SCOTT SHE PLANS EXAMINE Neither the issuan	NING REVII RRIF	BUIL FOW ANI FEWE FS a perm	EECI VN O AR 2 JUNI DINC VN C D DE UNIF D	PER DIV	IILT OPMI MOI	ON ON DEL	16 0 0 0 0 0 0 0 0 332 0	58 9 522 LOSS 286 0 0 0 0 0 1108 0 0	253 0 0 0 0 0 0 214 0	10 0 0 0 0 20 0 336 0	170 9 1194 LOSS 179 0 0 0 481 0 1122 0 0 5663 7444	158 0 0 0 0 93 0 217 0 0
ROOM USE EXP. WALL CLG. HT. GRS.WALL AREA GLAZING NORTH EAST SOUTH WEST SKYLT. DOORS NET EXPOSED WALL NET EXPOSED WALL NET EXPOSED BANT WALL ABOVE OR EXPOSED CLG EXPOSED CLG EXPOSED FLOOR BASEMENT/CRAWL HEAT LOSS SLAB ON GRADE HEAT LOSS SUBTOTAL HT LOSS SUBTOTAL HT GAIN LEVEL FACTOR / MULTIPLIER AIR CHANGE HEAT GAIN DUCT LOSS	17.9 17.9 17.9 17.9 30.6 24.1 2.6 3.3 1.4 2.2	15.8 41.4 24.8 41.4 101.2 4.7 0.5 0.6 0.7 1.1	30 0 0 0 0 235 0 0	OFF 25 11 275 LOSS 179 536 0 0 0 615 0 0 0 1329 0.46	GAIN 158 1243 0 0 0 1119 0 0 0	0 22 0 0 0 218 0 0	24 10 240 LOSS 0 0 0 393 0 0 0 570 0 0 0 0 0 963	GAIN 0 0 545 0 0 0 110 0 0 0 655	0 0 0 123 0 0 607 0 0	73 10 730 LOSS 0 0 0 2196 0 0 1588 0 0 222 0 0 0 3806 0.46	GAIN 0 0 5095 0 0 0 11 0			4552	7 0 0 0 20 333 0 0	30 12 360 LOSS 125 0 0 481 871 0 0 0 0 1477	GAIN 1111 0 0 0 0 93 168 0 0 0 0 0 372	0 7 0 0 70 0 0	W/R 7 11 77 LOSS 6 0 0 125 0 0 183 0 0 0 308	GAIN 0 0 173 0 0 35 0 0 0	0 0 0 45 197 0 0	22 11 242 LOSS 0 0 0 0 1082 515 0 0 0 0 0 1598	GAIN 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	BUILDING: R SCOTT SHE PLANS EXAMINE Neither the issuan inspections by the	NINC REVII RRIF ER nce of a	TOW M BUIL FOW ANI J EWE FS	EECI VN O AR 2 JUNI DINO VN C D DE UNIP D	PER DIV	IILT OHOMAN PMON MON R 7, 2 out of owner	ON O	16 0 0 0 0 0 0 0 0 332 0	58 9 522 LOSS 286 0 0 0 0 0 1108 0 0	253 0 0 0 0 0 0 214 0	10 0 0 0 0 20 0 336 0	170 9 1194 LOSS 179 0 0 0 481 0 1122 0 0 5663 7444	158 0 0 0 0 93 0 217 0 0 0
ROOM USE EXP. WALL CLG. HT. GRS.WALL AREA GLAZING NORTH EAST SOUTH WEST SKYLT. DOORS NET EXPOSED WALL NET EXPOSED WALL NET EXPOSED BSMT WALL ABOVE OR EXPOSED CLG EXPOSED CLG EXPOSED FLOOR BASEMENT/CRAWL HEAT LOSS SLAB ON GRADE HEAT LOSS SUB TOTAL HT GAIN LEVEL FACTOR / MULTIPLIER AIR CHANGE HEAT LOSS AIR CHANGE HEAT GAIN DUCT LOSS DUCT GAIN	17.9 17.9 17.9 17.9 30.6 24.1 2.6 3.3 1.4 2.2 2.2	15.8 41.4 24.8 41.4 101.2 4.7 0.5 0.6 0.7 1.1	30 0 0 0 0 235 0 0 0	OFF 25 11 275 LOSS 179 536 0 0 0 615 0 0 0 1329 0.46	GAIN 158 1243 0 0 0 1119 0 0 0	0 22 0 0 0 218 0 0 0	24 10 240 LOSS 0 0 0 393 0 0 0 570 0 0 0 0 0 963	GAIN 0 0 545 0 0 0 110 0 0 0 655 47 0	0 0 0 123 0 0 607 0 0	73 10 730 LOSS 0 0 0 2196 0 0 1588 0 0 222 0 0 0 3806 0.46	GAIN 0 0 5095 0 0 307 0 0 111 0			4552	7 0 0 0 20 333 0 0 0	30 12 360 LOSS 125 0 0 0 0 481 871 0 0 0 0 1477	GAIN 1111 0 0 0 93 168 0 0 0 0 372 27 0	0 7 0 0 70 0 0 0 0	W/R 7 11 77 LOSS 0 0 125 0 0 125 0 0 0 308	GAIN 0 0 173 0 0 35 0 0 0 0 209 15 0	0 0 0 45 197 0 0	22 11 242 LOSS 0 0 0 0 1082 515 0 0 0 0 1598	GAIN 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	BUILDING: R SCOTT SHE PLANS EXAMINE Neither the issuan inspections by the full responsibility f	NINC REVII RRIF ER nce of a Town for con	TOW M BUIL FOW G ANI J EWEI FS a perm n of Milh npliance	ECIVN O AR 2 JUNI DINC VN C D D Litt nor c Litt nor celivit nor ce	PER DIVIDENT OF MODEL	ILTO 2 /ISIC IILT DPMI MOI R 7, 2 out of owner visions	ON ON ENT DEL	16 0 0 0 0 0 0 0 0 332 0 0 0 0	58 9 522 LOSS 286 0 0 0 0 0 1108 0 0	253 0 0 0 0 0 0 214 0 0	10 0 0 0 0 20 0 336 0 0	170 9 1194 LOSS 179 0 0 0 481 0 1122 0 0 5663 7444	158 0 0 0 93 0 217 0 0 468
ROOM USE EXP. WALL CLG. HT. GRS.WALL AREA GLAZING NORTH EAST SOUTH WEST SKYLT. DOORS NET EXPOSED WALL NET EXPOSED WALL NET EXPOSED CLG EXPOSED CLG EXPOSED FLOOR BASEMENT/CRAWL HEAT LOSS SUB TOTAL HT GAIN LEVEL FACTOR I MULTIPLIER AIR CHANGE HEAT LOSS AIR CHANGE HEAT LOSS AIR CHANGE HEAT GAIN DUCT GAIN HEAT GAIN PEOPLE	17.9 17.9 17.9 17.9 30.6 24.1 2.6 3.3 1.4 2.2 2.2	15.8 41.4 24.8 41.4 101.2 4.7 0.5 0.6 0.7 1.1	30 0 0 0 0 235 0 0	OFF 25 11 275 LOSS 179 536 0 0 0 615 0 0 0 1329 0.46	GAIN 158 1243 0 0 0 119 0 0 0 1520	0 22 0 0 0 218 0 0	24 10 240 LOSS 0 0 0 393 0 0 0 570 0 0 0 0 0 963	GAIN 0 0 545 0 0 0 1110 0 0 0 6555	0 0 0 123 0 0 607 0 0	73 10 730 LOSS 0 0 0 2196 0 0 1588 0 0 222 0 0 0 3806 0.46	GAIN 0 0 5095 0 0 111 0 54413 389 0 0			4552	7 0 0 0 20 333 0 0	30 12 360 LOSS 125 0 0 0 0 481 871 0 0 0 0 1477	372 27 0	0 7 0 0 70 0 0	W/R 7 11 77 LOSS 0 0 125 0 0 125 0 0 0 308	3AIN 0 0 173 0 0 0 35 0 0 0 0	0 0 0 45 197 0 0	22 11 242 LOSS 0 0 0 0 1082 515 0 0 0 0 1598	GAIN 0 0 0 0 0 209 100 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	BUILDING: R SCOTT SHEI PLANS EXAMINE Neither the issuan inspections by the full responsibility f the Ontario Buildin	NINC REVII RRIF ER nice of a Town for coning Coo	BUIL FOW AND J EWE FFS To Milh To M	AR 2 JUNII DINO ON OF THE PROPERTY OF THE PRO	PER 2 OF N VELC PER 2 APF arrying yes the the proper of the proper	ILTO O17 2 /ISIC DPMI MOI R 7, 2 out of owner visions so Build	ON ON ENT DEL 2017 DATE f r from s of ding	16 0 0 0 0 0 0 0 0 332 0	58 9 522 LOSS 286 0 0 0 0 0 1108 0 0	253 0 0 0 0 0 0 214 0	10 0 0 0 0 20 0 336 0	170 9 1194 LOSS 179 0 0 0 481 0 1122 0 0 5663 7444	158 0 0 0 0 93 0 217 0 0 0
ROOM USE EXP. WALL CLG. HT. GRS.WALL AREA GLAZING NORTH EAST SOUTH WEST SVILT. DOORS NET EXPOSED WALL NET EXPOSED WALL NET EXPOSED CLG EXPOSED CLG EXPOSED CLG EXPOSED CLG EXPOSED FLOOR BASEMENT/CRAWL HEAT LOSS SUB TOTAL HT GAIN LEVEL FACTOR / MULTIPLIER AIR CHANGE HEAT LOSS AIR CHANGE HEAT CAIN DUCT LOSS DUCT GAIN HEAT GAIN PEOPLE HEAT GAIN APPLIANCES/LIGHTS	17.9 17.9 17.9 17.9 30.6 24.1 2.6 3.3 1.4 2.2 2.2	15.8 41.4 24.8 41.4 101.2 4.7 0.5 0.6 0.7 1.1	30 0 0 0 0 235 0 0 0	OFF 25 11 275 LOSS 179 536 0 0 615 0 0 0 1329 0.46 606	GAIN 158 1243 0 0 0 1119 0 0 0	0 22 0 0 0 218 0 0 0	24 10 240 LOSS 0 0 393 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	GAIN 0 0 545 0 0 0 110 0 0 0 655 47 0	0 0 0 123 0 0 607 0 0	73 10 730 LOSS 0 0 0 2196 0 0 0 1588 0 0 22 0 0 0 3806 0.46 1735	GAIN 0 0 5095 0 0 307 0 0 111 0			4552	7 0 0 0 20 3333 0 0 0	30 12 360 LOSS 125 0 0 0 481 871 0 0 0 0 1477 0.46 673	GAIN 1111 0 0 0 93 168 0 0 0 0 372 27 0	0 7 0 0 70 0 0 0 0	W/R 7 11 77 LOSS 0 0 125 0 0 183 0 0 0 0 308 0.466 140	GAIN 0 0 173 0 0 35 0 0 0 0 209 15 0	0 0 0 45 197 0 0	22 11 242 LOSS 0 0 0 0 1082 515 0 0 0 0 1598 0.46 728	GAIN 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	BUILDING: R SCOTT SHE PLANS EXAMINE Neither the issuan inspections by the full responsibility f the Ontario Buildi Code, both as am statutes and regul	NINC REVII RRIF ER nice of a e Town for coning Coolended lations	M BBUIL FOW A ANI J FFS A permit of Milling plant of e Act a control of the	AR 2 JUNI DINO VN CD DE UNIP D iit nor c with and the and t	PER 29, 20 PER 3 DIV I I OF M VELC ER 2 APF arrying ves the the prove on tarr there applees on 0	LTO 2 2 //ISIC IIILT DPMI I MO over the control of the control of Build of the control of the c	ON ON ENT DEL 2017 DATE from s of dding e o,	16 0 0 0 0 0 0 0 0 332 0 0 0 0	58 9 522 LOSS 286 0 0 0 0 0 0 1108 0 0 1394	253 0 0 0 0 0 0 214 0 0	10 0 0 0 0 20 0 336 0 0	170 9 1194 LOSS 179 0 0 0 481 0 0 5663 7444 0.81 7203	158 0 0 0 93 0 217 0 0 468
ROOM USE EXP. WALL CLG. HT. GRS.WALL AREA GLAZING NORTH EAST SOUTH WEST SKYLT. DOORS NET EXPOSED WALL NET EXPOSED WALL NET EXPOSED CLG EXPOSED CLG EXPOSED FLOOR BASEMENT/CRAWL HEAT LOSS SUB TOTAL HT GAIN LEVEL FACTOR I MULTIPLIER AIR CHANGE HEAT LOSS AIR CHANGE HEAT LOSS AIR CHANGE HEAT GAIN DUCT GAIN HEAT GAIN PEOPLE	17.9 17.9 17.9 17.9 30.6 24.1 2.6 3.3 1.4 2.2 2.2	15.8 41.4 24.8 41.4 101.2 4.7 0.5 0.6 0.7 1.1	30 0 0 0 0 235 0 0 0	OFF 25 11 275 LOSS 179 536 0 0 0 615 0 0 0 1329 0.46	GAIN 158 1243 0 0 0 119 0 0 0 1520	0 22 0 0 0 218 0 0 0	24 10 240 LOSS 0 0 0 393 0 0 0 570 0 0 0 0 0 963	GAIN 0 0 545 0 0 0 1110 0 0 0 6555	0 0 0 123 0 0 607 0 0	73 10 730 LOSS 0 0 0 2196 0 0 1588 0 0 222 0 0 0 3806 0.46	GAIN 0 0 5095 0 0 111 0 54413 389 0 0			4552	7 0 0 0 20 3333 0 0 0	30 12 360 LOSS 125 0 0 0 0 481 871 0 0 0 0 1477	372 27 0	0 7 0 0 70 0 0 0 0	W/R 7 111 77 LOSS 0 0 0 1225 0 0 0 183 0 0 0 0 0 308 0.466 140 0 0	3AIN 0 0 173 0 0 0 35 0 0 0 0	0 0 0 45 197 0 0	22 11 242 LOSS 0 0 0 0 1082 515 0 0 0 0 1598	GAIN 0 0 0 0 0 209 100 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	BUILDING: R SCOTT SHE PLANS EXAMINE Neither the issuan inspections by the full responsibility f the Ontario Buildir Code, both as am	NINC REVII RRIF ER nice of a e Town for coning Coolended lations	M BBUIL FOW A ANI J FFS A permit of Milling plant of e Act a control of the	AR 2 JUNI DINO VN CD DE UNIP D iit nor c with and the and t	PER 29, 20 PER 3 DIV I I OF M VELC ER 2 APF arrying ves the the prove on tarr there applees on 0	LTO 2 2 //ISIC IIILT DPMI I MO over the control of the control of Build of the control of the c	ON ON ENT DEL 2017 DATE from s of dding e o,	16 0 0 0 0 0 0 0 0 332 0 0 0 0	58 9 522 LOSS 286 0 0 0 0 0 1108 0 0	253 0 0 0 0 0 0 214 0 0	10 0 0 0 0 20 0 336 0 0	170 9 1194 LOSS 179 0 0 0 481 0 1122 0 0 5663 7444	158 0 0 0 93 0 217 0 0 468

TOTAL HEAT GAIN BTU/H:

36394

TONS: 3.03

LOSS DUE TO VENTILATION LOAD BTU/H: 2354

STRUCTURAL HEAT LOSS: 44161

TOTAL COMBINED HEAT LOSS BTU/H: 46514

Mehal Offinde.



SITE NAME: LECCO RIDGE LO# 71347 BUILDER: GREENPARK HOMES TYPE: JUNIPER 2 DATE: Dec-16 GFA: 2710 furnace pressure 0.6 COOLING CFM 1131 0.05 #AMANA AFUE = 96.0 % HEATING CFM 1131 furnace filter 1115 AMEC960603BNA INPUT (BTU/H) = 60,000 TOTAL HEAT LOSS 44,161 TOTAL HEAT GAIN 35,939 a/c coil pressure 0.2 60 **FAN SPEED** OUTPUT (BTU/H) = 57,600 AIR FLOW RATE CFM 25.61 AIR FLOW RATE CFM 31.47 available pressure for s/a & r/a 0.35 LOW DESIGN CFM = 1131 **MEDLOW RUN COUNT** Bas 4th 3rd 2nd 1st CFM @ .6 " E.S.P. r/a pressure 0.17 MEDIUM plenum pressure s/a 0.18 0 12 8 4 S/A R/A max s/a dif press. loss 0.02 r/a grille press. Loss 0.02 MEDIUM HIGH 0 0 1 4 HIGH 1131 TEMPERATURE RISE 47 °F All S/A diffusers 4"x10" unless noted otherwise on layout. min adjusted pressure s/a 0.16 adjusted pressure r/a 0.15 All S/A runs 5"Ø unless noted otherwise on layout. 10 12 13 14 15 16 17 18 19 20 21 22 23 24 6 11 RUN# BED-4 ENS-2 OFF DIN KT/FM KT/FM KT/FM LAUN W/R FOY BED-3 BAS BAS BAS BAS ROOM NAME MBR ENS WIC BED-2 BED-3 BATH BED-2 HALL MBR RM LOSS MBH. 1.29 1.28 1.37 0.76 1.93 1.40 1.85 1.85 1.85 2.15 0.45 2.33 1.54 4.01 4.01 4.01 4.01 1.29 1.54 1.02 0.54 1.37 1.48 0.83 103 103 103 33 39 26 14 33 33 35 19 50 36 47 47 47 55 11 60 39 103 CFM PER RUN HEAT 35 38 21 0.33 2.92 1.72 2.78 2.78 2.78 1.32 0.29 0.43 2.56 0.33 0.33 0.33 0.33 RM GAIN MBH 2.08 1.49 0.90 2.28 2.56 1.91 0.37 2.28 0.78 2.08 10 10 72 25 65 11 92 54 88 88 88 42 9 14 81 10 10 65 47 28 72 81 60 12 CFM PER RUN COOLING 0.16 0.16 0.16 0.16 0.17 0.17 0.17 0.17 0.17 0.16 0.17 0.16 0.16 0.16 0.17 0.17 0.17 0.16 ADJUSTED PRESSURE 0.17 0.17 0.17 0.16 0.17 0.17 43 15 25 69 43 26 8 40 32 48 37 17 35 37 41 ACTUAL DUCT LGH 28 51 43 41 18 26 49 49 57 80 120 130 180 180 170 140 200 180 160 110 100 170 110 190 130 140 110 140 110 100 EQUIVALENT LENGTH 170 200 150 183 147 141 95 145 173 221 198 196 189 249 249 203 136 108 210 142 238 167 157 145 TOTAL EFFECTIVE LENGTH 227 228 201 0.09 0.11 0.11 0.17 0.11 0.09 0.09 0.07 0.07 0.08 0.12 0.16 0.08 0.11 0.07 0.1 0.11 0.12 ADJUSTED PRESSURE 0.08 0.08 0.09 0.1 0.07 0.09 5 5 6 5 4 5 6 6 6 6 ROUND DUCT SIZE 6 5 5 5 5 240 688 286 525 525 525 525 241 199 191 161 242 379 257 218 367 413 240 345 631 126 HEATING VELOCITY (ft/min) 257 436 242 646 449 482 103 161 595 51 51 51 51 138 529 287 477 126 675 620 449 COOLING VELOCITY (ft/min) 477 539 321 529 413 441 4X10 4X10 3X10 3X10 3X10 3X10 3X10 4X10 4X10 OUTLET GRILL SIZE 3X10 3X10 3X10 3X10 4X10 3X10 3X10 3X10 3X10 3X10 3X10 3X10 3X10 4X10 4X10 С С С В TRUNK В D D С В C D D Α D С D Α Α В

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

RECEIVED TOWN OF MILTON MAR 29, 2017 JUNIPER 2 BUILDING DIVISION

SUPPLY AIR TRUNK SIZE																	RETURN A	IR TRUN	(SIZE					
	TRUNK	STATIC	ROUND	RECT			VELOCITY			TRUNK	STATIC	ROUND	RECT			VELOCITY		TRUNK	STATIC	ROUND	RECT			VELOCITY
	CFM	PRESS.	DUCT	DUCT			(fl/min)			CFM	PRESS.	DUCT	DUCT			(ft/min)		CFM	PRESS.	DUCT	DUCT			(ft/min)
TRUNK A	211	0.07	8.1	8	х	8	475		TRUNK G	0	0.00	0	0	х	8	0	TRUNK O	0	0.06	0	0	Х	8	0
TRUNK B	536	0.07	11.5	16	x	8	603		TRUNK H	0	0.00	0	0	х	8	0	TRUNK P	0	0.06	0	0	х	8	0
TRUNK C	316	0.07	9.4	10	x	8	569		TRUNK I	Ó	0.00	0	0	х	8	0	TRUNK Q	0	0.06	0	0	х	8	0
TRUNK D	594	0.07	11.9	18	X	8	594		TRUNK J	0	0.00	0	0	х	8	0	TRUNK R	0	0.06	0	0	Х	8	0
TRUNK E	0	0.00	0	0	x	8	0		TRUNK K	Ō	0.00	0	0	х	8	0	TRUNK S	0	0.06	0	0	х	8	0
TRUNK F	ň	0.00	Ŏ	ō	x	8	Ō		TRUNK L	Ô	0.00	0	0	х	8	0	TRUNK T	0	0.06	0	0	х	8	0
		0.00				<u>`</u>	<u>`</u>										TRUNK U	0	0.06	0	0	x	8	0
																	TRUNK V	0	0.06	0	0	x	8	0
RETURN AIR #		2	3	4	5	6										BR	TRUNK W	0	0.06	0	0	x	8	0
INCTORVANCE	'n	ń	ñ	Ö	ň	ñ	0	0	0	0	0	0	0	0	0		TRUNK X	1046	0.06	15.3	28	х	8	672
AIR VOLUME	85	85	165	185	345	85	ñ	ñ	Ö	Õ	Ö	Ō	Ō	Ō	Ó	181	TRUNK Y	0	0.06	0	0	х	8	0
PLENUM PRESSURE	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	TRUNK Z	Ô	0.06	0	0	х	8	0
ACTUAL DUCT LGH.	48	45	45	36	19	31	1	1	1	1	1	1	1	1	1	14	DROP	1131	0.06	15.8	24	х	10	679
EQUIVALENT LENGTH	180	165	155	160	135	175	'n	'n	ó	ò	ó	ò	ò	ò	ò	145								
TOTAL EFFECTIVE LH	228	210	200	196	154	206	1	1	1	1	1	1	1	1	1	159	l							
ADJUSTED PRESSURE	0.06	0.07	0.07	0.08	0.10	0.07	14.80	14.80	14.80	14.80	14.80	14.80	14.80	14.80	14.80	0.09								
ROUND DUCT SIZE	6	5.8	7.4	7.5	8.9	5.8	14.00	1-1.00	0	n -1.00	n	. n.cc	0	0	0	7.2								
INLET GRILL SIZE	Q Q	ο.υ	γ.4	8	8	8	ñ	ñ	n	ñ	ñ	ñ	ñ	ő	ñ	8								
INCL I GIVILL GIZE	v	y Y	y	Y	Y	Y	×	×	X	X	x	X	X	x	x	X								
INLET GRILL SIZE	14	14	14	14	30	14	Ô	Ô	Ô	ñ	n	Ô	Ô	Ô	n	14								



TYPE: SITE NAME: JUNIPER 2 LECCO RIDGE

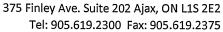
LO# 71347

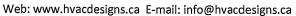
RESIDENTIAL MECHANICAL VENTILATION DESIGN SUMMARY

COMBUSTION APPLIANCES	9.32.3.1(1)	SUPPLEMENTAL \	VENTILATION CAP	ACITY			9.32.3.5.
a) Direct vent (sealed combustion) only		Total Ventilation Ca	pacity		180.2		cfm
b) Positive venting induced draft (except fireplaces)		Less Principal Venti	il. Capacity		86		cfm
c) Natural draft, B-vent or induced draft gas fireplace		Required Suppleme	ntal Capacity		94.2		cfm
d) Solid Fuel (including fireplaces)							
e) No Combustion Appliances		PRINCIPAL EXHAL	UST FAN CAPACIT	Y			
		Model:	VANEE 40	+	Location:		BSMT
HEATING SYSTEM		86.0	cfm3.0	sone:	s	Y	HVI Approved
Forced Air Non Forced Air		PRINCIPAL EXHAL					
		26.0 CFM	ΔT • X 72		FACTOR 1.08	х	% LOSS 0.35
Electric Space Heat		SUPPLEMENTAL F	EANS		NUTONE		
·		Location	Mod	lel	cfm	HVI	Sones
HOUSE TYPE	9.32.1(2)	ENS	QTXEN		50	✓	0.3
	-	BATH	QTXEN		50	√	0.3
☐ ✓ I Type a) or b) appliance only, no solid fuel		ENS-2 W/R	QTXEN QTXEN		50 50	1	0.3
II Type I except with solid fuel (including fireplaces)	i	VV/R	QIXEN	0500	50		0.3
III Any Type c) appliance		HEAT RECOVERY Model:	VENTILATOR VANEE	40H+			9.32.3.11.
IV Type I, or II with electric space heat		86	cfm h	igh	37	_	cfm low
Type I, or II with electric space fleat		65	% Sensible	Efficiency		Y	HVI Approved
Other: Type I, II or IV no forced air		L	@ 32 deg F	(0 deg C)			
The state of the s		LOCATION OF INS	TALLATION			FOFI	VED
SYSTEM DESIGN OPTIONS	O.N.H.W.P.	1 -1			TOM	ECEI N OF	MILTON
1 Exhaust only/Forced Air System		Lot:	**		<u> </u>	AR 29,	
2 HRV with Ducting/Forced Air System		Township			D	UNIPE	
		Address			BUIL	DING [DIVISION
3 HRV Simplified/connected to forced air system		Roll #		7	TOWN	OF I	AII TON
4 HRV with Ducting/non forced air system		BUILDER:	GF MILTO	PLANNII	NG AND D	DEVEL	MILTON OPMENT
Part 6 Design				.DING: RE\		IIPER	2 MODEL
		Name:		TT SHERR		AP	R 7, 2017
TOTAL VENTILATION CAPACITY	9.32.3.3(1)	Address:		SEXAMINER			DATE
Basement + Master Bedroom 2 @ 21.2 cfm 42.4	cfm	City:	inspec	r the issuance of tions by the To ponsibility for c	wn of Milton r	elives th	e owner from
Other Bedrooms3@ 10.6 cfm31.8	cfm	Telephone #:	the Or	tario Building C both as amend	Code Act and	the Onta	rio Building
Kitchen & Bathrooms5 @ 10.6 cfm53	cfm	INSTALLING CONT		s and regulations of the Region			
Other Rooms 5 @ 10.6 cfm 53.0	cfm	Name:					
Table 9.32.3.A. TOTAL 180.2	cfm	Address:					
PRINCIPAL VENTILATION CAPACITY REQUIRED	9.32.3.4.(1)	City:					
1 Bedroom 31.8 cfm		Telephone #:			Fax #:		
		DESIGNER CERTIF					
2 Bedroom 47.7 cfm		I hereby certify that in accordance with t	the Ontario Building	Code.	signed		
3 Bedroom 63.6 cfm		Name:	HVAC Des	igns Ltd.	· A.	·)	
4 Bedroom 79.5 cfm		Signature:		Maha	1 Offert	٤.	
5 Bedroom 95,4 cfm		HRAI#			001820		
More than 5 - Part 6 TOTAL 79.5 cfm		Date:			ecember-16		
I REVIEW AND TAKE RESPONIBILITY FOR THE DESIGN WORK AND AM QUA	LIFIED IN THE AF	PROPRIATE CATEGORY AS AN	N "OTHER DESIGNER" U	NDER DIVISION C.	3.2.5 OF THE BU	ILDING CO	DE.

INDIVIDUAL BCIN: 19669
Maked Office.

MICHAEL O'ROURKE







HEAT LOSS AND GAIN SUMMARY SHEET

MODEL:	JUNIPER 2			BUILDER: GREENPARK HOMES	
SFQT:	2710	LO#	71347	SITE: LECCO RIDGE	
DESIGN A	SSUMPTIONS				
HEATING			°F	COOLING	°F
OUTDOOL	R DESIGN TEMP.		0	OUTDOOR DESIGN TEMP.	86
INDOOR D	DESIGN TEMP.		72	INDOOR DESIGN TEMP. (MAX 75°F)	72
BUILDING	DATA				
ATTACHM	IENT:		DETACHED	# OF STORIES (+BASEMENT):	3
FRONT FA	CES:		EAST	ASSUMED (Y/N):	Υ
AIR CHAN	GES PER HOUR:		3.57	ASSUMED (Y/N):	Υ
AIR TIGHT	NESS CATEGORY:		AVERAGE	ASSUMED (Y/N):	Υ
WIND EXP	POSURE:	:	SHELTERED	ASSUMED (Y/N):	Υ
HOUSE VO	DLUME (ft³):		36270.0	ASSUMED (Y/N):	Υ
INTERNAL	SHADING:	BLINDS	/CURTAINS	ASSUMED OCCUPANTS:	5
INTERIOR	LIGHTING LOAD (Btu/l	n/ft²):	1.27	DC BRUSHLESS MOTOR (Y/N):	Υ
FOUNDAT	ION CONFIGURATION		BCIN_1	DEPTH BELOW GRADE:	6.0 ft
LENGTH:	47.0 ft	WIDTH:	38.0 ft	EXPOSED PERIMETER:	170.0 ft

2012 OBC - COMPLIANCE PACKAGE		
Component		Compliance Package ENERGYSTAR
Ceiling with Attic Space Minimum RSI (R)-Value		50
Ceiling Without Attic Space Minimum RSI (R)-Value		31
Exposed Floor Minimum RSI (R)-Value		31
Walls Above Grade Minimum RSI (R)-Value		20 + 5
Basement Walls Minimum RSI (R)-Value		20
Below Grade Slab Entire surface > 600 mm below grade Minimum RSI (R)-Value	-
Edge of Below Grade Slab ≤ 600 mm Below Grade Minimum RSI (R)-Valu	e	10
Heated Slab or Slab ≤ 600 mm below grade Minimum RSI (R)-Value		10
Windows and Sliding Glass Doors Maximum U-Value	RECEIVED	ZONE 2
Skylights Maximum U-Value	TOWN OF MILTON	ZONE 2
Space Heating Equipment Minimum AFUE	MAR 29, 2017 JUNIPER 2	0.95
HRV Minimum Efficiency	BUILDING DIVISION	65%
Domestic Hot Water Heater Minimum EF	POIEDING DIVISION	90% TE

INDIVIDUAL BCIN: 19669 MICHAEL O'ROURKE





Residential Foundation Thermal Load Calculator

Supplemental tool for CAN/CSA-F280

We	eather Sta	tion Description										
Province:	Ontario											
Region:	Milton											
	Site D	escription										
Soil Conductivity:	Normal c	onductivity: dry dand, loam, clay										
Water Table:	Normal (7-10 m, 23-33 ft)										
Foundation Dimensions												
Floor Length (m):	14.3											
Floor Width (m):	11.6											
Exposed Perimeter (m):	0.0											
Wall Height (m):	2.7	Insulation Configuration										
Depth Below Grade (m):	1.8	insulation comparation										
Window Area (m²):	2.4											
Door Area (m²):	1.9											
	Radi	ant Slab										
Heated Fraction of the Slab:	0											
Fluid Temperature (°C):	33											
	Desig	n Months										
Heating Month	1											
	Founda	tion Loads										
Heating Load (Watts):		1659										

TYPE: JUNIPER 2 **LO#** 71347

RECEIVED TOWN OF MILTON MAR 29, 2017 JUNIPER 2 BUILDING DIVISION



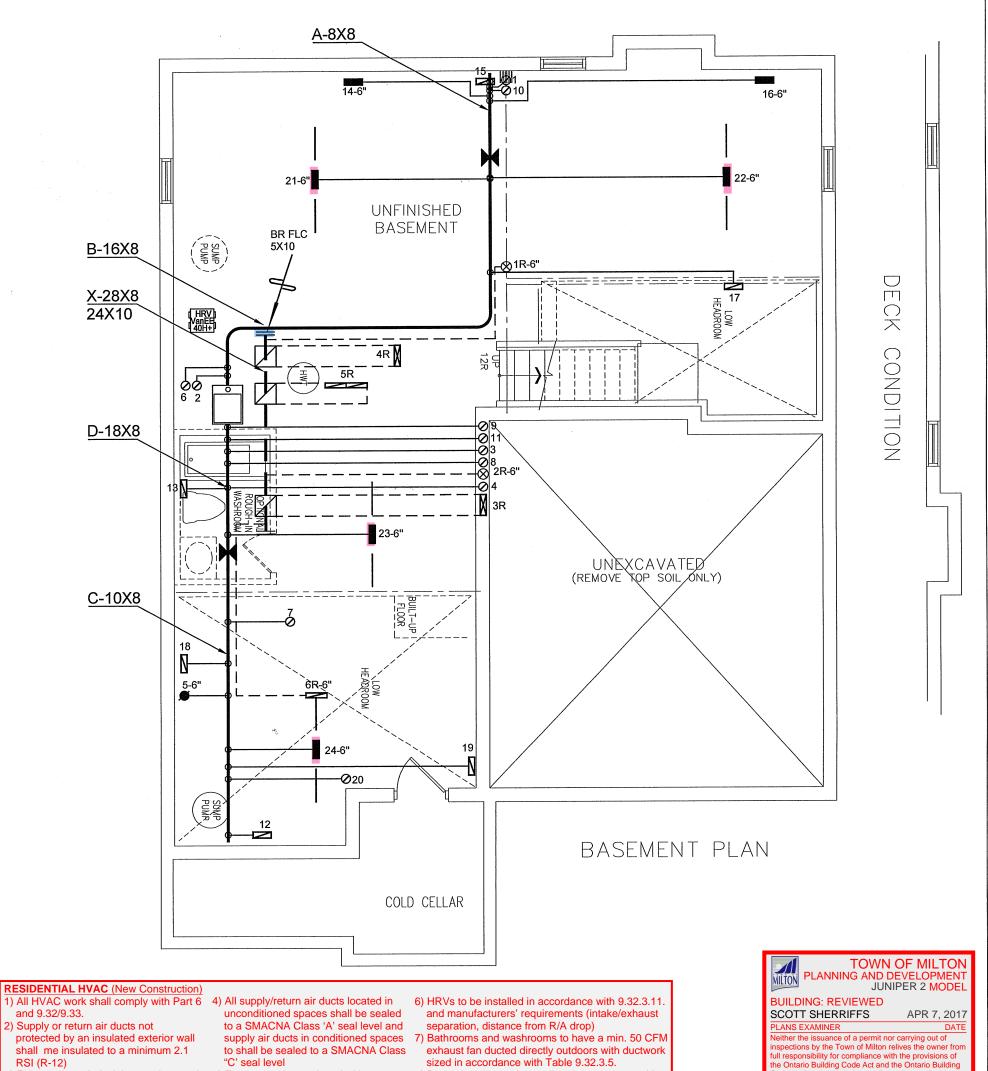
Air Infiltration Residential Load Calculator

Supplemental tool for CAN/CSA-F280

Weathe	er Station Description
Province:	Ontario
Region:	Milton
Weather Station Location:	Open flat terrain, grass
Anemometer height (m):	10
L	ocal Shielding
Building Site:	Suburban, forest
Walls:	Heavy
Flue:	Heavy
Highest Ceiling Height (m):	6.71
Build	ling Configuration
Type:	Detached
Number of Stories:	Two
Foundation:	Full
House Volume (m³):	1027.1
Air Le	eakage/Ventilation
Air Tightness Type:	Present (1961-) (3.57 ACH)
Custom BDT Data:	ELA @ 10 Pa. 1369.1 cm²
	3.57 ACH @ 50 Pa
Mechanical Ventilation (L/s):	Total Supply Total Exhaust
	40.6 40.6
	Flue Size
Flue #:	#1 #2 #3 #4
Diameter (mm):	0 0 0 0
Natur	al Infiltration Rates
Heating Air Leakage Rate (A	CH/H): 0.307
Cooling Air Leakage Rate (AC	CH/H): 0.105

TYPE: JUNIPER 2 **LO#** 71347

RECEIVED TOWN OF MILTON MAR 29, 2017 JUNIPER 2 BUILDING DIVISION



and 9.32/9.33.

- 2) Supply or return air ducts not protected by an insulated exterior wall shall me insulated to a minimum 2.1 RSI (R-12)
- 3) Exhaust ducts (principle, supplemental & other exhaust fans) passing through unheated space shall be insulated to a minimum 0.5 RSI (R-3)
- 5) Furnaces to be equipped with brushless DC motor (ECM) and controlled with a programmable thermostat (4 times periods/day, 2 day types/week)
- 8) Range hoods to exhaust directly to outdoors with non-combustible ducting
- 9) Changes to the HVAC equipment or duct layout requires a revision permit to be applied for and approved prior to booking any HVAC inspections

spections by the Town of Milton relives the owner from ill responsibility for compliance with the provisions of ne Ontario Building Code Act and the Ontario Building ode, both as amended, as well as other applicable

RECEIVED TOWN OF MILTON MAR 29, 2017 JUNIPER 2 **BUILDING DIVISION**



		3.								
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	2.		
	FLOOR SUPPLY AIR GRILLE		6" SUPPLY AIR BOOT ABOVE		14"x8" RETURN AIR GRILLE		RETURN AIR STACK ABOVE	1.		
	FLOOR 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		REVISIONS							

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GREENPARK HOMES

LECCO RIDGE MILTON, ONTARIO

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 46514	BTU/H	# OF RUNS	S/A	R/A	FANS	She
		INIT DATA		3RD FLOOR				
	MAKE /	AMANA		2ND FLOOR	12	4	3	
	MODEL AMEC	960603BN	Α	1ST FLOOR	8	2	2	
	INPUT	60	MBTU/H	BASEMENT	4	1	0	Date
	-OUTPUT	57.6	мвти/н	ALL S/A DIFFUS				Sca
эe	COOLING	3.0	TONS	ON LAYOUT. AI	LL S/A	RUNS	S 5"Ø	
	FAN SPEED		cfm @	ON LAYOUT. U			02	L

DOORS 1" min. FOR R/A

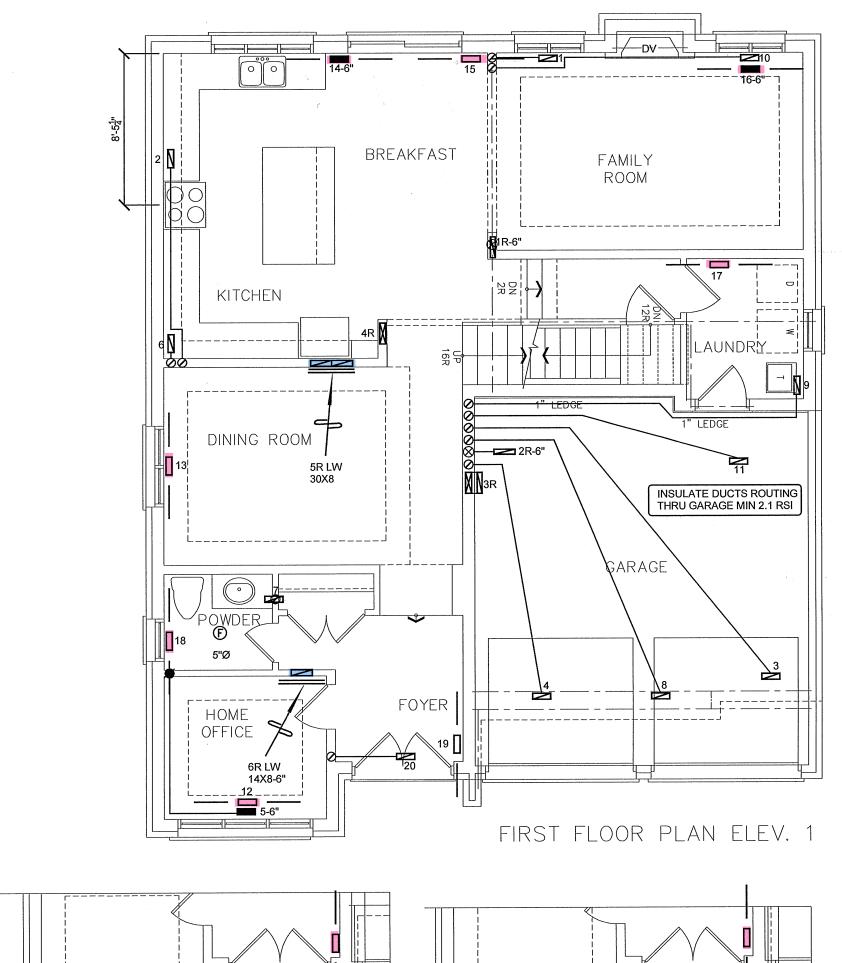
cfm @ 0.6" w.c.

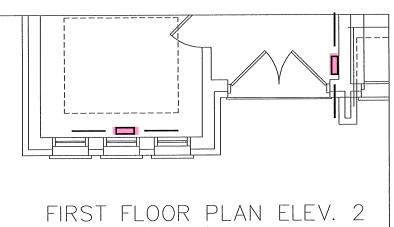
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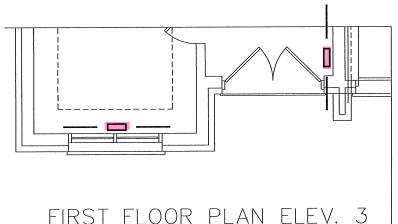
neet Title **BASEMENT HEATING** LAYOUT DEC/2016 3/16" = 1'-0" BCIN# 19669 LO# 71347

JUNIPER 2

2710 sqft







RECEIVED OWN OF MILTON MAR 29, 2017 JUNIPER 2

CSA-F280-12

ENERGY STAR

I MICHAEL O'ROURKE HAVE REVIEW
AND TAKE RESPONSIBILITY FOR THE
DESIGN WORK AND AM QUALIFIED
UNDER DIVISION C, 3.2.5 OF THE
BUILDING CODE.
11/1///
Michael Ofownhe
Michael O'Rourke, BCIN# 19669
HVAC DESIGNS LTD.

HVAC DESIGNS LTD.	The second secon									_
		3.								
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	2.		
	FLOOR SUPPLY AIR GRILLE		6" SUPPLY AIR BOOT ABOVE		14"x8" RETURN AIR GRILLE	N	RETURN AIR STACK ABOVE	1.		
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	SUPPLY AIR BOOT ABOVE	.6	6" SUPPLY AIR STACK 2nd FLOOR		FRA- FLOOR RETURN AIR GRILLE	X	REDUCER	Ι΄,	REVISIONS	

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GREENPARK HOMES

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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.



Neither the issuance of a permit nor carrying out of inspections by the Town of Milton relives the owner from full responsibility for compliance with the provisions of the Ontario Building Code Act and the Ontario Building Code, both as amended, as well as other applicable

tatutes and regulations of the Province on Ontario, ty-laws of the Region of Halton and Town of Milton

PLANS EXAMINER

FIRST FLOOR **HEATING LAYOUT**

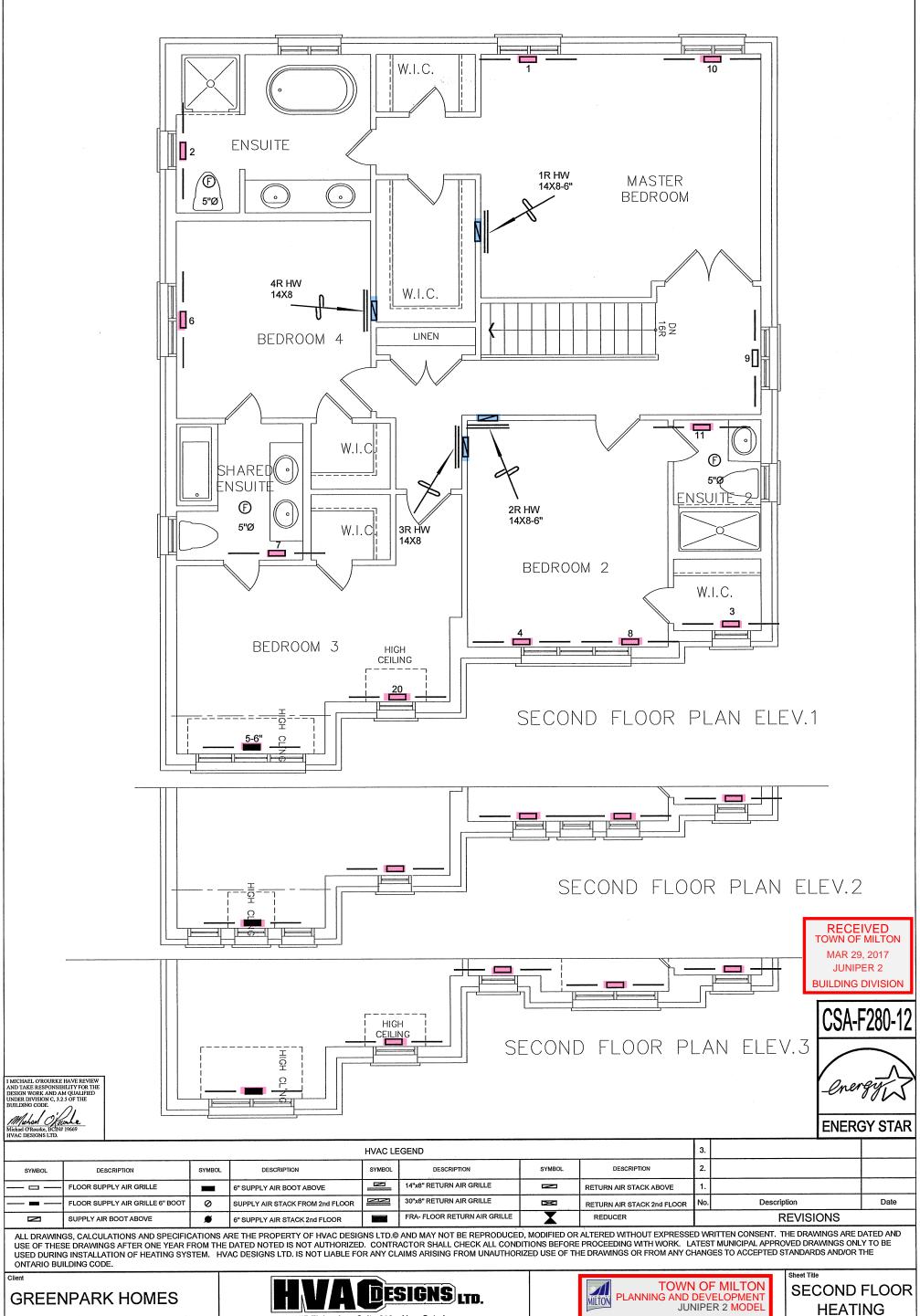
Sheet Title

DEC/2016 Scale 3/16" = 1'-0" BCIN# 19669

71347

JUNIPER 2

2710 sqft



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L1S 2E2 Tel. 905.619.2300 - 905.420.5300 Fax 905.619.2375 Email: info@hvacdesigns.ca Web: www.hvacdesigns.ca

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APR 7, 2017

BUILDING: REVIEWED SCOTT SHERRIFFS

LANS EXAMINER nspections by the Town of Milton relives the owner fron ull responsibility for compliance with the provisions of the Ontario Building Code Act and the Ontario Building Code, both as amended, as well as other applicable statutes and regulations of the Province on Ontario, By-laws of the Region of Halton and Town of Milton

HEATING LAYOUT

DEC/2016 Date 3/16" = 1'-0" Scale

BCIN# 19669

71347 LO#

JUNIPER 2 2710 sqft