

TOTAL HEAT GAIN BTU/H:

43136

	SITE NAME:	LECC	RIDGE						LC	T 100							ATE: M	ar-17		wir	NTER	NATUF	AL AIR C	HANGE	RATE	0.316	HEAT LOSS	ΔT °F. 72	CSA-F	280-12
	BUILDER:				s			TY		JNIPER 9			GF.	: 3475			LO# 7						AL AIR				HEAT GAIN		ENERGY	
1	ROOM USE	l			MBR			ENS		BED-	2	Γ	BED-3		BED-4		В	ATH		BED-5	$\neg \Gamma$	E	VS-4		ENS-5					
	EXP. WALL				37			28		15			45		37			7		18			17		9					- 1
.	CLG. HT.				10			9	- 1	9			10	1	10			9		9			9	1	9					1
		FACTO	DRS											ŀ																
	GRS.WALL AREA	LOSS	GAIN		370			252		135			428		352			63		162			153		81					1
	GLAZING				LOSS (	GAIN	ı	LOSS GA	MN .	Loss	GAIN		LOSS GAI	4	LOSS (	SAIN	L	OSS GAIN		LOSS GA	NIA	L	OSS GAI	v l	LOSS	GAIN				
	NORTH	17.9	15.8	0	0	0	9	161 14	43	15 268	238	0	0 0	0	0	0	7	125 111	0	0	0	0	0 0	0	0	0			ı	- 1
	EAST	17.9	41.4	0	0	0	0	0 (	0	0 0	0	52	928 215	4 40	714	1657	0	0 0	0	0	0	11 1	196 45	6 0	0 .	0	-4	TOM	/N OF MIL	TON
	SOUTH	17.9	24.8	0	0	0	0	0 (	0	0 0	0	0	0 0	8	143	198	0	0 0	24	428 5	94	0	0 0	8	143	198		ANNING AN		
	WEST	17.9	41.4	34	607	1408	18	321 74	46	0 0	0	0	0 0	0	0	0	0	0 0	0	0	0	0	0 0	0	0	0	MILTON			
	SKYLT.	30.6	101.2	0	0	0	0	-	0	0 0	0	0	0 0	0	0	0	0	0 0	0	0		-	0 0	0	0	0			PERMIT: 17	-4690
	DOORS	l	4.7	0	0	0	0	0 (	- 1	0 0	0	0	0 0	0	0	0	0	0 0	0	-	-	-	0 0	0	0	0	BUILDING	B: REVIEWE	D	
	NET EXPOSED WALL	2.6	0.5	336	879	170		589 11	- 1	120 314	61	376	983 19		794	154		147 28	138				372 72		191	37	SCOTT S	HERRIFFS	APR 19	9. 2017
	NET EXPOSED BSMT WALL ABOVE GR	3.3	0.6	0	0	0	0	-		0 0	0	0	0 0	0	0	0	0	0 0	0	•		-	0 0		0	0	PLANS EXAM			DATE
	EXPOSED CLG	1.4	0.7	336		230				255 351	175	302	416 20			171		116 58	306		- 1		116 58			123		suance of a perm	it nor carrying or	
	NO ATTIC EXPOSED CLG	l	1.1	0	0	0	28	63 3		0 0	0	55	124 61	20	45	22	0	0 0	0	•	-	-	0 0	0	0	0		the Town of Mili		
-	EXPOSED FLOOR	2.2	0.4	0	0	0	0	•	0	0 0	0	357	783 15	0	0	0	84	184 36	0	0	٥	0	0 0	0	0	0		lity for complianc		
	BASEMENT/CRAWL HEAT LOSS				0			0		0			0	1	0			0		0			0		0			uilding Code Act		
	SLAB ON GRADE HEAT LOSS				0			0		0			0		0			0		0			0	l	0			amended, as we egulations of the		
	SUBTOTAL HT LOSS				1949	4000		1353		933			3233	.	2040	1		571		1211		,	584	_	582			Region of Halto		
	SUB TOTAL HT GAIN LEVEL FACTOR / MULTIPLIER					1808		11	- 1		473	١	276			2202		232			74		58			358				
	AIR CHANGE HEAT LOSS			0.20	0.32		0.20		-   '	0.20 0.32		0.20		0.20	0.32		0.20		0.20		0	0.20		0.20	0.32				050/55	
			- 1		617	457		428		296			1024		646			181		384			217		184	ا یہ			CEIVED	
	AIR CHANGE HEAT GAIN DUCT LOSS				0	157		0	9	0	41		24	'	0	192		20		0	76		0 51		0	31		IWOT	NOF MILTO	N .
	DUCT GAIN		- 1		U	0		•		U	0	ļ	426	.	U			75 25		-			0		U	اه		MA	R 29, 2017	
	HEAT GAIN PEOPLE	240		2		480	0		0	1	240	4	24	1		240	0	0	1		-	0	0			0				
	HEAT GAIN APPLIANCES/LIGHTS	240		-		686			0	•	686	'	68			686	v	0	l '		86	•	0	- 1		اة			17-4690	
	TOTAL HT LOSS BTU/H				2566			1781	<b>"</b>	1229			4683	<b>'</b>	2687	"		828		1595	۱ "		900		766	ľ		BUILD	ING DIVISIO	NC
	TOTAL HT GAIN x 1.3 BTU/H					4072			514		1873		562	1		4316		361			139		82	7		506		DOILD	ii to bi viole	<i>3</i> 13
	ROOM USE				LV/DN			OFF		KT/F	νī				LAUN			DWD		FOY			IUD	1				WUB	BAS	
	EXP. WALL				50			29		78					0 9			11		17			21 13					19 10	196 10	- 1
	CLG. HT.	FACT			11			11		11				1	9			11		12			13					10	"	
	GRS.WALL AREA	PACI						319		858				1	0			121		204			273					181	1274	
					650	- 1														204	- 1									GAIN
-					550	CAIN	1				CAIN				-	CVIVI				1088 6	VIVI			N.					l l	
	GLAZING	LOSS	GAIN		LOSS	- 1		LOSS GA	- 1	LOS	GAIN				LOSS		L	OSS GAIN	,	LOSS G	- 1	L	OSS GAI					LOSS GA	IN LOSS	
	NORTH	LOSS 17.9	GAIN 15.8	0	LOSS 0	0	0	LOSS GA	0	LOS:	0	•		0	LOSS (	0	0 L	OSS GAIN 0 0	0	0	0	9 ·	OSS GAI					LOSS GA 0 0 0	IN LOSS 10 179	158
	NORTH EAST	17.9 17.9	15.8 41.4	0	LOSS 0 0	0	0 40	LOSS GA 0 ( 714 16	0 557	LOS: 0 0 0 0	0			0 0	LOSS (	0	0 0	OSS GAIN 0 0 0 0	0	0	0	9 · 0	OSS GAI 161 14: 0 0					LOSS GA 0 0 0 0 0 0	IN LOSS 10 179 0 0	158 0
	NORTH EAST SOUTH	17.9 17.9 17.9	15.8 41.4 24.8	0 38	0 0 0 678	0 0 941	0 40 0	0 0 714 16 0 0	0 557 0	LOS: 0 0 0 0 0 0	0 0 0			0 0 0	LOSS (	0	0 L	OSS GAIN 0 0		0 0 0	0 0	9 · 0 0	OSS GAI 161 14: 0 0					LOSS GA 0 0 0 0 0 0	10 LOSS 10 179 0 0 10 179	158 0 248
	NORTH EAST SOUTH WEST	17.9 17.9 17.9 17.9	15.8 41.4 24.8 41.4	0 38 0	0 0 0 678 0	0 0 941 0	0 40 0 0	0 0 714 16 0 0	0 557 0 0 1	LOS: 0 0 0 0 0 0	0 0 0 5136			0 0 0 0	0 0 0	0 0	0 0 0	OSS GAIN 0 0 0 0 0 0	0	0 0 0	0 0	9 · · · · · · · · · · · · · · · · · · ·	OSS GAI 161 14 0 0 0 0					LOSS GA 0 0 0 0 0 0 0 0 0	10 179 0 0 10 179 5 89	158 0
	NORTH EAST SOUTH	17.9 17.9 17.9 17.9 30.6	15.8 41.4 24.8	0 38	0 0 0 678	0 0 941	0 40 0	0 0 714 16 0 0 0 0 0 0	0 557 0 0 1	LOS: 0 0 0 0 0 0	0 0 0			0 0 0 0 0	0 0 0 0	0 0 0	0 0 0 0	OSS GAIN 0 0 0 0 0 0	0 0	0 0 0 0	0 0 0 0	9 · · · · · · · · · · · · · · · · · · ·	OSS GAI 161 14 0 0 0 0	3				LOSS GA 0 0 0 0 0 0 0 0 0	10 LOSS 10 179 0 0 10 179 5 89 0 0	158 0 248 207
	NORTH EAST SOUTH WEST SKYLT.	17.9 17.9 17.9 17.9	15.8 41.4 24.8 41.4 101.2	0 38 0	0 0 0 678 0 0	0 0 941 0	0 40 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 557 0 0 1 0	LOS: 0 0 0 0 0 0 124 2214 0 0	0 0 0 5136 0			0 0 0 0 0 0	0 0 0 0 0	0 0 0 0	0 0 0 0 0	OSS GAIN 0 0 0 0 0 0 0 0 0 0	0 0 0	0 0 0 0 0 0	0 0 0 0 0 0	9 0 0 0 0 0 0 20 4	OSS GAI 161 143 0 0 0 0 0 0	3				LOSS GA 0 0 0 0 0 0 0 0 0 0 0 0	10 LOSS 10 179 0 0 10 179 5 89 0 0 20 481	158 0 248 207 0
	NORTH EAST SOUTH WEST SKYLT. DOORS	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 38 0 0	0 0 0 678 0 0	0 0 941 0 0	0 40 0 0 0	LOSS GA 0 0 714 16 0 0 0 0 0 0 730 14	0 557 0 0 1 0 0 41 7	LOS: 0 0 0 0 0 0 124 2214 0 0 0 0	0 0 0 5136 0			1 -	0 0 0 0 0 0	0 0 0 0 0	0 0 0 0 0	OSS GAIN 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 45	0 0 0 0 0 0 1082 2 416 8	0 0 0 0 0 0 0 9	9 0 0 0 0 0 20 4	OSS GAI 161 14: 0 0 0 0 0 0 0 0 181 93	3				LOSS GA 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 20 481 93	10 LOSS 10 179 0 0 10 179 5 89 0 0 10 20 481	158 0 248 207 0 93
	NORTH EAST SOUTH WEST SKYLT. DOORS NET EXPOSED WALL	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 38 0 0 0 512	0 0 678 0 0 0 1340	0 941 0 0 0 259	0 40 0 0 0 0 0 279	LOSS GA 0 0 714 16 0 0 0 0 0 0 730 14 0 0	0 557 0 0 0 0 0 41 7	LOS: 0 0 0 0 0 0 124 2214 0 0 0 0 734 192	0 0 0 5136 0 0 371			0	0 0 0 0 0 0 0	0 0 0 0 0 0	0 0 0 0 0 0 121	OSS GAIN 0 0 0 0 0 0 0 0 0 0 0 0 317 61	0 0 0 0 45 159	0 0 0 0 0 1082 2 416 8	0 0 0 0 0 0 0 0 9 30 2	9 · · 0 · 0 · 0 · 0 · 0 · 20 · 4 · 0	OSS GAI 161 143 0 0 0 0 0 0 0 0 481 93	3				LOSS GA 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 20 481 93 161 420 8	N LOSS 10 179 0 0 10 179 5 89 0 0 20 481 0 0	158 0 248 207 0 93
	NORTH EAST SOUTH WEST SKYLT. DOORS NET EXPOSED WALL NET EXPOSED WALL	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 38 0 0 0 512	LOSS 0 0 678 0 0 0 1340	0 0. 941 0 0 0 259	0 40 0 0 0 0 279	LOSS GA 0 (0 714 16 0 (0 0 (0 730 14 0 (0	0 657 0 0 0 0 0 41 7 0	LOS: 0 0 0 0 0 0 124 2214 0 0 0 0 734 192	0 0 0 5136 0 0 371			0 0 72 0	LOSS (0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 49	0 0 0 0 0 0 0 121 0 0	OSS GAIN 0 0 0 0 0 0 0 0 0 0 0 0 0 0 317 61 0 0 0 0	0 0 0 0 45 159 0	0 0 0 0 0 1082 2 416 8 0 0	0 0 0 0 0 0 0 0 9 30 0	9 0 0 0 0 0 20 4 244 0 0 0	OSS GAI 161 14: 0 0 0 0 0 0 0 0 0 0 0 1881 93 638 12: 0 0 0 0 0	3				LOSS GA 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 20 481 9: 161 420 8: 0 0 0 0 0 0	N LOSS 10 179 0 0 10 179 5 89 0 0 20 481 0 0 588 1963 0 0 0 0	158 0 248 207 0 93 0 380 0
	NORTH EAST SOUTH WEST SKYLT. DOORS NET EXPOSED WALL NET EXPOSED SMT WALL ABOVE OR 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	0 38 0 0 0 512 0	LOSS 0 0 678 0 0 0 1340 0	0 0 941 0 0 0 259 0	0 40 0 0 0 0 279 0	LOSS GA 0 0 714 16 0 0 0 0 0 0 730 14 0 0 0 0	0 557 0 0 0 0 41 7 0	LOS: 0 0 0 0 124 2214 0 0 0 0 734 192	0 0 0 5136 0 0 371 0			0 0 72	LOSS (0 0 0 0 0 0 0 0 99	0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 121 0	OSS GAIN 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 45 159 0	0 0 0 0 0 1082 2 416 8 0 0	0 0 0 0 0 0 0 0 9 30 0	9 0 0 0 0 0 20 4 244 0 0 0	OSS GAI 161 14: 0 0 0 0 0 0 0 0 181 93 638 12: 0 0	3				LOSS GA 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 20 481 9: 161 420 8: 0 0 0	N LOSS 10 179 0 0 10 179 5 89 0 0 0 20 481 0 0 588 1963 0 0 0 0	158 0 248 207 0 93 0 380 0
	NORTH EAST SOUTH WEST SKYLT. DOORS NET EXPOSED WALL NET EXPOSED SMT WALL ABOVE OR EXPOSED CLG 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	0 38 0 0 0 512 0 0	LOSS 0 0 678 0 0 0 1340 0	0 0 941 0 0 0 259 0 0	0 40 0 0 0 0 279 0	LOSS GA 0 0 714 16 0 0 0 0 0 0 730 14 0 0 0 0	0 557 0 0 0 0 41 7 0	LOS: 0 0 0 0 124 2214 0 0 0 0 734 192- 0 0 0 0 10 22	0 0 0 5136 0 0 371 0 0			0 0 72 0	LOSS (0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 49	0 0 0 0 0 0 0 121 0 0	OSS GAIN 0 0 0 0 0 0 0 0 0 0 0 0 0 0 317 61 0 0 0 0	0 0 0 0 45 159 0	0 0 0 0 0 1082 2 416 8 0 0 0	0 0 0 0 0 0 0 0 9 30 0	9 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	DSS GAI 161 14: 0 0 0 0 0 0 0 0 0 0 481 93 538 12: 0 0 0 0 0 0 0 0 0 0 0 0	3				LOSS GA 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 20 481 9: 161 420 8- 0 0 0 0 0 0 0 0 0	N LOSS 10 179 0 0 10 179 5 89 0 0 20 481 0 0 588 1963 0 0 0 0	158 0 248 207 0 93 0 380 0
	NORTH EAST SOUTH WEST SKYLT. DOORS NET EXPOSED WALL NET EXPOSED CLG NO ATTIC EXPOSED CLG EXPOSED CLG ON ATTIC EXPOSED CLG SEXPOSED CLG EXPOSED CLG SEXPOSED CLG SEXPOSED CLG SEXPOSED 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	0 38 0 0 0 512 0 0	LOSS 0 0 678 0 0 1340 0 0 0 0	0 0 941 0 0 0 259 0 0	0 40 0 0 0 0 279 0 0	LOSS GA 6 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 557 0 0 0 0 41 7 0	LOS: 0 0 0 0 0 0 124 2214 0 0 0 734 192 0 0 0 0 10 22 0 0 0 0	0 0 0 5136 0 0 371 0 0			0 0 72 0	LOSS (0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 49	0 0 0 0 0 0 121 0 0	OSS GAIN 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 45 159 0	0 0 0 0 0 1082 2 416 8 0 0 0	0 0 0 0 0 0 0 0 9 30 0	9 0 0 0 0 20 244 0 0 0	DSS GAI 161 14: 0 0 0 0 0 0 0 0 0 0 481 93 638 12: 0 0 0 0 0 0 0 0 0 0	3				LOSS GA 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 20 481 9: 161 420 8: 0 0 0 0 0 0 0 0 0 0 0 0	N LOSS 10 179 0 0 10 179 5 89 0 0 0 20 481 0 0 0 588 1963 0 0 0 0 0 6613	158 0 248 207 0 93 0 380 0
	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	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	0 38 0 0 0 512 0 0	LOSS 0 0 678 0 0 1340 0 0 0 2018	0 0 941 0 0 0 259 0 0	0 40 0 0 0 0 279 0 0	LOSS GA  0 (714 16  0 (6  0 (730 14  0 (730 14  0 (730 16  0 (730	0 557 0 0 0 0 0 41 7 0 0 0	LOS: 0 0 0 0 0 0 124 2214 0 0 0 734 192* 0 0 0 10 22 0 0 0	0 0 0 5136 0 0 371 0 0 11			0 0 72 0	LOSS (0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 49 0	0 0 0 0 0 0 121 0 0	OSS GAIN 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 45 159 0	0 0 0 0 0 1082 2 416 8 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	9 0 0 0 0 20 244 0 0 0	OSS GAI	3				LOSS GA 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 20 481 99 161 422 89 0	N LOSS 10 179 0 0 10 179 5 89 0 0 0 20 481 0 0 588 1963 0 0 0 0 0 6613	158 0 248 207 0 93 0 380 0
	NORTH EAST SOUTH WEST SKYLT. DOORS NET EXPOSED WALL NET EXPOSED SMT WALL ABOVE GR EXPOSED CLG NO ATTIC EXPOSED CLG EXPOSED FLOOR BASEMENT/CRAWL HEAT LOSS SLAB ON GRADE HEAT LOSS SUBTOTAL HT LOSS SUB TOTAL HT 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	0 38 0 0 0 512 0 0	LOSS 0 0 678 0 0 1340 0 0 0 2018	0 0 941 0 0 0 259 0 0	0 40 0 0 0 0 279 0 0	LOSS GA 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 557 0 0 0 0 0 41 7 0 0	LOS: 0 0 0 0 0 0 124 2214 0 0 0 734 1922 0 0 0 10 22 0 0 0 0 4157	0 0 0 5136 0 0 371 0 0 11			0 0 72 0 28	LOSS (0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 49	0 0 0 0 0 0 121 0 0	OSS GAIN 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 45 159 0 0	0 0 0 0 0 1082 2 416 8 0 0 0 0 0 0 1498	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	9 0 0 0 0 0 20 4 0 0 0 0 0 0 0 0 1	OSS GAAI  161 14: 0 0 0 0 0 0 0 0 0 0 81 93 538 12: 0 0 0 0 0 0 0 0 0 0 0 0 0 0 35:	3				LOSS GA 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 20 481 9: 161 420 8: 0 0 0 0 0 0 0 0 0 0 0 0	LOSS 10 179 0 0 10 179 5 89 0 0 0 20 481 0 0 0 588 1963 0 0 0 0 0 0 6613 9503	158 0 248 207 0 93 0 380 0
	NORTH EAST SOUTH WEST SKYLT. DOORS NET EXPOSED WALL NET EXPOSED BIM WALL ABOVE OR EXPOSED CLG NO ATTIC EXPOSED FLOOR BASEMENTICRAWL 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	0 38 0 0 0 512 0 0	LOSS 0 0 678 0 0 1340 0 0 0 2018	0 0 941 0 0 0 259 0 0	0 40 0 0 0 0 279 0 0	LOSS GA C C C C C C C C C C C C C C C C C C	0 557 0 0 0 0 0 41 7 0 0	LOS: 0 0 0 0 0 0 124 2214 0 0 0 0 0 0 334 192 0 0 0 10 22 0 0 0 415	0 0 0 5136 0 0 371 0 0 11 0			0 0 72 0	LOSS (0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 49 0	0 0 0 0 0 0 121 0 0	OSS GAIN 0 0 0 0 0 0 0 0 0 0 0 0 317 61 0 0 0 0 0 0 317 61 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 45 159 0	0 0 0 0 0 1082 2 416 8 0 0 0 0 0 0 1498 2	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	9 0 0 0 0 0 20 4 0 0 0 0 0 0 0 1 1 0 0 0 0 0 0 0 0 0	OSS GAI	3				LOSS GA 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 20 481 99 161 422 89 0	IN LOSS 10 179 0 0 10 179 5 89 0 0 0 20 481 0 0 0 588 1963 0 0 0 6613 9503 4 0.50 0.97	158 0 248 207 0 93 0 380 0
	NORTH EAST SOUTH WEST SKYLT. DOORS NET EXPOSED WALL NET EXPOSED WALL NOT EXPOSED CLG NO ATTIC EXPOSED CLG EXPOSED CLO EXPOSED CLO BASEMENT/CRAWL HEAT LOSS SLAB ON GRADE HEAT LOSS SUBTOTAL HT 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	0 38 0 0 0 512 0 0	LOSS 0 0 678 0 0 1340 0 0 0 2018	0 0 941 0 0 0 259 0 0 0	0 40 0 0 0 0 279 0 0	LOSS GA 0 (7714 156 0 (6 0 (6 0 (730 14 0 (6 0 (6 0 (730 14 0 (730 14	0 0 0 0 0 0 0 41 7 0 0 0 0	LOS: 0 0 0 0 0 0 124 2214 0 0 0 734 1922 0 0 0 10 22 0 0 0 0 4157	0 0 0 5136 0 0 371 0 11 0			0 0 72 0 28	LOSS (0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 49 0 12	0 0 0 0 0 0 121 0 0	OSS GAIN 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 45 159 0 0	0 0 0 0 0 1498 2 2 0.56 845	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	9 0 0 0 0 0 20 4 0 0 0 0 0 0 0 1 1 0 0 0 0 0 0 0 0 0	OSS GAI  161 14: 0 0 0 0 0 0 0 0 0 181 93 3338 12: 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	3				LOSS GA 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 20 481 99 161 422 89 0	LOSS 10 179 0 0 10 179 5 89 0 0 0 20 481 0 0 0 588 1963 0 0 0 0 0 0 6613 9503	158 0 248 207 0 93 0 380 0 0
	NORTH EAST SOUTH WEST SKYLT. DOORS NET EXPOSED WAIL NET EXPOSED WAIL NOT 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 COSS	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	0 38 0 0 0 512 0 0	LOSS 0 0 678 0 0 1340 0 0 0 2018	0 0 941 0 0 0 259 0 0	0 40 0 0 0 0 279 0 0	LOSS GA 0 (7714 165 0 (600 0 (600	0 557 0 0 0 0 0 41 7 0 0	LOS: 0 0 0 0 0 0 124 2214 0 0 0 0 0 734 192- 0 0 0 10 22 0 0 0 415: 1.30 0.566 2344	0 0 0 5136 0 0 371 0 0 11 0			0 0 72 0 28	LOSS (0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 49 0	0 0 0 0 0 0 121 0 0	OSS GAIN 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 317 61 0 0 0 0 0 0 0 0 0 0 177 61 0 5	0 0 0 45 159 0 0	0 0 0 0 0 1082 2 416 8 0 0 0 0 1498 2 2 0.56 845	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	9 0 0 0 0 0 20 4 0 0 0 0 0 0 0 1 1 0 0 0 0 0 0 0 0 0	OSS GAI 161 14: 0 0 0 0 0 0 0 0 0 0 881 93 638 12: 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1.56 722 31	3				LOSS GA 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 20 481 99 161 422 89 0	N LOSS 10 179 0 0 10 179 5 89 0 0 0 20 481 0 0 0 588 1963 0 0 0 6613 9503 4 0.50 0.97 10070	158 0 248 207 0 93 0 380 0
	NORTH EAST SOUTH WEST SKYLT. DOORS NET EXPOSED WALL NET EXPOSED SMT WALL ABOVE OR EXPOSED CLG NO ATTIC EXPOSED CLG EXPOSED FLOOR BASEMENT/CRAWL HEAT LOSS SLAB ON GRADE HEAT LOSS SUBTOTAL HT COST SUBTOTAL HT GAIN LEVEL FACTOR / MULTIPLIER AIR CHANGE HEAT LOSS 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	0 38 0 0 0 512 0 0	LOSS 0 0 678 0 0 1340 0 0 0 2018	0 0 941 0 0 0 259 0 0 0	0 40 0 0 0 0 279 0 0	COSS GA  0 0 0  714 16  0 0 0  0 0 0  730 14  0 0 0  0 0 0  1444 17  0.56  814	0 0 0 1 1 1 1 7 7 0 0 0 0 0 0 0 0 0 0 0	LOS: 0 0 0 0 0 0 124 2214 0 0 0 0 0 0 334 192 0 0 0 10 22 0 0 0 415	0 0 0 5136 0 0 371 0 11 0 5519			0 0 72 0 28	LOSS (0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 49 0 12	0 0 0 0 0 0 121 0 0	OSS GAIN 0 0 0 0 0 0 0 0 0 0 0 0 317 61 0 0 0 0 0 0 317 61 179 5	0 0 0 45 159 0 0	0 0 0 0 0 1082 2 416 8 0 0 0 0 1498 2 0.56 845 5 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	9 0 0 0 0 0 20 4 0 0 0 0 0 0 0 1 1 0 0 0 0 0 0 0 0 0	OSS GAI 161 14: 0 0 0 0 0 0 0 0 0 0 0 0 881 93 538 12: 0	3				LOSS GA 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 20 481 99 161 422 89 0	IN LOSS 10 179 0 0 10 179 5 89 0 0 0 20 481 0 0 0 588 1963 0 0 0 6613 9503 4 0.50 0.97	158 0 248 207 0 93 0 380 0 0
	NORTH EAST SOUTH WEST SKYLT. DOORS NET EXPOSED WALL NET EXPOSED BSMT WALL ABOVE GR EXPOSED CLG NO ATTIC EXPOSED CLG EXPOSED FLOOR BASEMENT/CRAWL HEAT LOSS SLAB ON GRADE HEAT LOSS SUBTOTAL HT LOSS SUB TOTAL HT GAIN LEVEL FACTOR / MULTIPLIER AIR CHANGE HEAT LOSS 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	0 38 0 0 0 512 0 0 0	LOSS 0 0 678 0 0 1340 0 0 0 2018	0 0 941 0 0 0 259 0 0 0 1200	0 40 0 0 0 0 279 0 0 0	COSS GA  0 0 0  714 16  0 0 0  0 0 0  730 11  0 0 0  0 0  1444  17  0.566  814	0	LOS: 0 0 0 0 0 0 124 2214 0 0 0 34 1922 0 0 0 10 22 0 0 0 4153	0 0 0 5136 0 0 371 0 0 11 0 5519			0 0 72 0 28	LOSS 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 61 0 0 1 161 1 0 161 1 161 16	0 0 0 0 0 0 0 0 0 0 49 0 12	0 0 0 0 0 0 121 0 0 0	OSS GAIN 0 0 0 0 0 0 0 0 0 0 0 0 317 61 0 0 0 0 0 0 317 61 0 0 0 10 0 0	0 0 0 45 159 0 0 0	0 0 0 0 0 1082 2 416 8 0 0 0 0 0 1498 2 0.56 845 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	9 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	OSS GAI 161 14: 0 0 0 0 0 0 0 0 0 181 93 338 12: 0	3				LOSS GA 0 0 0 0 0 0 0 0 0 0 0 0 20 481 9: 161 420 8: 0 0 0 0 0 0 0 0 0 0 0 1 17	IN LOSS 10 179 0 0 10 179 5 89 0 0 0 20 481 0 0 0 588 1963 0 0 0 0 0 6613 9503 4 0.50 0.97 10070	158 0 248 207 0 93 0 380 0 0 0
	NORTH EAST SOUTH WEST SKYLT. DOORS NET EXPOSED WALL NET EXPOSED WALL NET EXPOSED CLG NO ATTIC EXPOSED CLG EXPOSED CLO EXPOSED FLOOR BASEMENTICRAWL HEAT LOSS SUBTOTAL HT LOSS SUBTOTAL HT GAIN LEVEL FACTOR / MULTIPLIER AIR CHANGE HEAT GAIN DUCT LOSS 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	0 38 0 0 0 512 0 0	LOSS 0 0 678 0 0 1340 0 0 0 2018	0 0. 941 0 0 0 259 0 0 0 0 1200	0 40 0 0 0 0 279 0 0	LOSS GA 0 (714 16 0 (6 0 (6 0 (730 14 0 (6 0 (730 14 0 (730	0	LOS: 0 0 0 0 0 0 124 2214 0 0 0 0 0 734 192- 0 0 0 10 22 0 0 0 415: 1.30 0.566 2344	0 0 0 0 1 55136 0 0 371 0 0 111 0 5519			0 0 72 0 28	LOSS 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 61 0 0 1 161 1 0 161 1 161 16	0 0 0 0 0 0 0 0 0 49 0 12	0 0 0 0 0 0 121 0 0	OSS GAIN 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 45 159 0 0	0 0 0 0 0 1082 2 416 8 0 0 0 0 0 1498 2 0.56 845 :	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	9 0 0 0 0 0 20 4 0 0 0 0 0 0 0 1 1 0 0 0 0 0 0 0 0 0	OSS GAI 161 14: 0 0 0 0 0 0 0 0 0 0 481 93 338 12: 338 12: 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	3				LOSS GA 0 0 0 0 0 0 0 0 0 0 0 0 20 481 9: 161 420 8: 0 0 0 0 0 0 0 0 1 7 17	IN LOSS 10 179 0 0 10 179 5 89 0 0 0 20 481 0 0 0 588 1963 0 0 0 6613 9503 4 0.50 0.97 10070	158 0 248 207 0 93 0 380 0 0 0
	NORTH EAST SOUTH WEST SKYLT. DOORS NET EXPOSED WAIL NET EXPOSED WAIL NET 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 GAIN DUCT LOSS DUCT GAIN HEAT GAIN PEOPLE HEAT GAIN PPOPLE	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	0 38 0 0 0 512 0 0 0	LOSS 0 0 678 0 0 0 1340 0 0 0 0 2018 0 .56 1138 0	0 0 941 0 0 0 259 0 0 0 1200	0 40 0 0 0 0 2779 0 0 0	COSS GA  0 0 7  714 16  0 0 0  0 0 0  730 12  0 0 0  14444  17  0.56  814	0	LOS: 0 0 0 0 0 0 0 0 0 124 2214 0 0 0 0 0 734 1922 0 0 0 0 0 10 22 0 0 0 4157 0.30 0.566 2344	0 0 0 1 5136 0 0 0 371 0 0 111 0 5519 481			0 0 72 0 28	LOSS 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 49 0 12	0 0 0 0 0 0 121 0 0 0	OSS GAIN 0 0 0 0 0 0 0 0 0 0 0 0 317 61 0 0 0 0 0 0 317 61 0	0 0 0 45 159 0 0 0	0 0 0 0 0 1082 2 416 8 0 0 0 0 1498 2 0.56 845 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	9 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	OSS GAI 161 14: 0 0 0 0 0 0 0 0 0 0 0 0 0 881 93 638 12: 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	3				LOSS GA 0 0 0 0 0 0 0 0 0 0 0 0 20 481 9: 161 420 8: 0 0 0 0 0 0 0 0 0 0 17 17	IN LOSS 10 179 0 0 10 179 5 89 0 0 0 20 481 0 0 0 588 1963 0 0 0 6613 9503 4 0.50 0.97 10070	158 0 248 207 0 93 0 380 0 0 0
	NORTH EAST SOUTH WEST SKYLT. DOORS NET EXPOSED WALL NET EXPOSED WALL NET EXPOSED CLG NO ATTIC EXPOSED CLG EXPOSED CLO EXPOSED FLOOR BASEMENTICRAWL HEAT LOSS SUBTOTAL HT LOSS SUBTOTAL HT GAIN LEVEL FACTOR / MULTIPLIER AIR CHANGE HEAT GAIN DUCT LOSS 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	0 38 0 0 0 512 0 0 0	LOSS 0 0 678 0 0 0 1340 0 0 0 0 2018 0 .556 1138 0 .	0 0. 941 0 0 0 259 0 0 0 0 1200	0 40 0 0 0 0 2779 0 0 0	LOSS GA 0 0 7714 166 0 0 0 0 0 0 0 0 730 14 0 0 0 0 0 0 1444 17 0.56 814 19 0	0	LOS: 0 0 0 0 0 0 124 2214 0 0 0 34 1922 0 0 0 10 22 0 0 0 4153 1.30 0.56 2344	0 0 0 1 5136 0 0 0 371 0 0 111 0 5519 481			0 0 72 0 28	LOSS 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 49 0 12	0 0 0 0 0 0 121 0 0 0	OSS GAIN 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 45 159 0 0 0	0 0 0 0 0 0 1082 2 416 8 0 0 0 0 1498 2 0.56 845 5 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	9 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	OSS GAI 161 14: 0 0 0 0 0 0 0 0 0 0 481 93 338 12: 338 12: 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3				LOSS GA 0 0 0 0 0 0 0 0 0 0 0 0 20 481 9: 161 420 8: 0 0 0 0 0 0 0 0 1 7 17	IN LOSS 10 179 0 0 10 179 5 89 0 0 0 20 481 0 0 0 588 1963 0 0 0 0 0 6613 9503 4 0.50 0.97 10070 0	158 0 248 207 0 93 0 380 0 0 0

Michael Offinhe INDIVIDUAL BCIN: 19669 MICHAEL O'ROURKE

STRUCTURAL HEAT LOSS: 54497

TONS: 3.59

LOSS DUE TO VENTILATION LOAD BTU/H: 2552

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

BUILDING   CHIEF PART   CHIEF			LECCO				• • • •			LOT 100								054							5 7 5
PRINCE COUNT   Set   366   294   18   586   294   18   586   294   18   586   294   18   586   294   18   586   294   18   294   18   294   18   294   18   294   18   294   18   294   18   294   18   294   18   294   18   294   18   294   18   294   18   294   18   294   18   294   18   294   18   294   18   294   294   18   294   294   18   294   294   18   294   294   294   18   294	HEATING CFM TOTAL HEAT LOSS	1316 54,497		COO TOTAL H	LING CFM EAT GAIN	42,642		а	furnace furr a/c coil vailable	pressure nace filter pressure pressure	0.6 0.05 0.2	<u> </u>		DATE:	Mar-17			AMVC960	804CNA SPEED	~*AMANA 80			(BTU/H) =	80,000	
Part	RUN COUNT	4th	3rd	2nd	1st	Bas			101	3/4 & 1/4	0.55							ME		0		DESI			
AB AN AGRIGATIV Content motion discretives: an important processor and adjusted pressure of 0.15																							CFM @ .	3 " E.S.P.	18.25( <b>\$</b> )
## ADMINISTRALES OF CONTROLLAR CO						1	]											MEDIU			т	FMPFRAT	URE RISE	54	∘F .
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BMALOSK MORT   128   089   089   123   234   134   083   234   134   128   077   3.16   2.25   2.17   2.17   2.00   0.00   2.34   0.00   6.96   6.40   4.08   4.0		1			. 4	5	6	7	8	9	10	11	12	13	14	15	16								
COMPARTMENDMENT   21   22   23   23   25   73   22   20   57   32   20   57   32   31   19   76   56   56   52   52   48   12   57   22   30   199   99   99   99   99   99   99																									
MILES   MILE																									
CITALEPERSUNCOLUMN   25   25   25   25   25   25   27   27																									
ACUMURDUT GREAT RATIONAL COLUMN AND ALTERNAL PROBLEMS AND ALTERNAL																									
BRINKLEWIST   150   150   140   170   130   160   150   140   170   150   160   160   150   150   150   120   120   160   130   140   150   170													0.17	0.16	0.16	0.16	0.16	0.17	0.17	0.17		0.17	0.16		
Total Effective Librative   177   239   188   277   177   255   291   190   236   191   291   199   238   172   181   159   164   179   175   205   210   148   179   183   200																									
ADJUSTED PRESSURE   0.1   0.07   0.09   0.08   0.07   0.09   0.07   0.09   0.08   0.07   0.09   0.	1.																								
RECURN PRINCIPLE SIZE   5	1																								
INCLINE OF MICHING   228   252   252   220   419   235   229   419   235   229   419   235   229   419   235   229   419   235   229   419   235   229   429   436   434   474   474   483   483   34   982   286   286   577   505   50	I .																								
COCUMENT (PINNIN)   463   287   287   426   639   492   126   639   492   463   184   587   540   474   474   683   493   344   95   289   551   117   62   82											-							551							505
TRUME B A B A D C D D C B B D C B A A D C D C D V B B D C B A A A D C C D V B D C B D C B D C B A A A D C C D V B D C D V B D C B D C B A A A D C C D V B D C D V B D D C B D C B A A A D C C D V B D D C D V B D D C D V B D D C B A A A D C C D V B D D C D V B D D C D V B D D C D V B D C D V B D C D V B D C D V B D C D V B D C D V B D C D V B D C D V B D C D V B D C D V B D C D C D V B D C D C D V B D C D C D V B D C D C D V B D C D C D C D C D V B D C D C D C D C D C D D C D D C D D C D D C D D C D D C D D C D D C D D D D C D D D C D D D D C D D D D C D						639			639	492	463	184		540			683								
RELIEF TRAINER STATE COUNTY (TIRCH)  SUPPLY AIR TRUNK SIZE  TRAINER STATE COUNTY (TIRCH)  TRUNK STATE COUNTY (TIRC																									
ROOM NAME   BAS   BAS   LAUN   RINKS MIPH   AD   AUG   CO   CO   CO   CO   CO   CO   CO   C	TRUNK	В	Α	В	Α	D	C	D	. D	C	В	В	D	С	В	Α	A	Α	D .	C	С	. D	Α	В	
ROOM NAME   BAS   BAS   LAUN   RINKS MRIF   AD   99   99   90   99   99   90   99   90   90   99   90	PIIN#	25	26	27																			13 (3)	- YW	57.
RM LOSS MBH   4.09   4.09   4.09   6.03   5.03   1.42    CFM PER RIVIN PEACE   1.00   1.00   1.00   1.00   1.00    COUNTY PEACE   1.00	The state of the s																								
RM GAIN MIRT   0.53																									
CFAPER RUN COCLING   16																				112		10.014			3.5
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ACTUAL DUCT Left   37																							13:1		
EQUIVALENT LENGTH ADJUSTED PRESSURE ROUND DUCT SIZE HEATING VELOCITY (filmin) OUTLET GRILL SIZE TRUNK SIZE TRUNK STATIC FROM DO TRUNK SIZE TRUNK SIZE TRUNK SIZE TRUNK SIZE TRUNK SIZE TRUNK STATIC FROM DO TRUNK SIZE SUPPLY AIR TRUNK SIZE TRUNK SIZE TRUNK STATIC FROM DO TRUNK SIZE SUPPLY AIR TRUNK SIZE TRUNK SIZE TRUNK SIZE TRUNK SIZE TRUNK SIZE SUPPLY AIR TRUNK SIZE TRUNK SIZE SUPPLY AIR TRUNK SIZE TRUNK SIZE TRUNK SIZE SUPPLY AIR TRUNK SIZE SUPPLY AIR TRUNK SIZE TRUNK SIZE SUPPLY AIR TRUNK																						4	DEC	· [ ] / [ [	
ADUSTED PRESSURE   12   13   10   20   10   20   20   20   20   20																									
RETURN AIR TRUNK SIZE   S																							TOVVIN	JF WILL	ION
HEATING VELOCITY (Winn)   COOLING VELOCITY (Winn)   COUNTY   COU																							MAR	29, 201	7
SUPPLY AIR TRUNK SIZE																							17	-4690	
SUPPLY AIR TRUNK SIZE																								0 50 40	
SUPPLY AIR TRUNK SIZE	1																						BUILDIN	G DIVIS	SION
SUPPLY AIR TRUNK SIZE	TRUNK	D	C	D																	+		1994 1		
TRUNK   STATIC   CPM   PRESS   DUCT   DUCT   CPM   PRESS	OUDDLY AID TOUNK OUT																	DETUDNI	AID TOUNI	/ 917E					5 2390
CFM   PRESS   DUCT   DUCT   CMminy   TRUNK A 303   0.07   9.3   10   X   8   545   TRUNK G   0   0.00   0   0   X   8   0   TRUNK G   0   0.00   0   0   X   8   0   TRUNK G   0   0.05   0   0   0   X   8   0   TRUNK G   0   0   0   0   0   TRUNK G   0   0   0   TRUNK G   0   0   0   0   TRUNK G   0	SUPPLY AIR TRUNK SIZE	TRUME	STATIC	ROUND	RECT			VELOCITY			TRUNK	STATIC	ROUND	RECT			VELOCITY	1			ROUND		18.		VELOCITY
TRUNK B 557 0.07 11.6 16	land and the second																				7	4000			
TRUNK C 297 0.07 9.2 10 X 8 535 TRUNK I 0 0.00 0 0 X 8 0 TRUNK C 0 0.05 0 0 X 8 0 TRUNK C 0 0.05 0 0 X 8 0 TRUNK C 0 0.00 0 0 X 8 0 TRUNK C 0 0.05 0 0 X 8 0 TRUNK C 0 0.00 0 0 X 8 0 TRUNK C 0 0.05 0 0 X 8 0 TRUNK C 0 0.00 0 0 X 8 0 TRUNK C 0 0.05 0 0 X 8 0 TRUNK C 0 0.00 0 X 8 0 TRUNK C 0 0.05 0 0 X 8 0 TRUNK C 0 0.00 0 X 8 0 TRUNK C 0 0.05 0 X 8 TRUN	TRUNK A					x	8			TRUNK G	0	0.00	0	0	X	8	0	TRUNK O	0			0	X	8	
TRUNK D 762	TRUNK B						-						-	-	X	-	0	1 '	-				7.150	-	
TRUNK E 0 0.00 0 0 0 X 8 0 0 TRUNK K 0 0.00 0 0 X 8 0 TRUNK K 0 0.00 0 0 X 8 0 TRUNK K 0 0.00 0 0 X 8 0 TRUNK K 0 0.00 0 0 X 8 0 TRUNK K 0 0.00 0 0 X 8 0 TRUNK K 0 0.00 0 0 X 8 0 TRUNK K 0 0.05 0 0 X 8 0 TRUNK K 0 0 0.05 0 X 8 0 TRUNK K 0 0.05 0 X 8 0 TRUNK K 0 0.05 0 X 8 0 TRUNK K 0 0 0.05 0 X 8 0 TRUNK K 0 0 0.05 0 X 8 0 TRUNK K 0 0 0.05 0 X 8 0 TRUNK K 0 0 0.05 0 X 8 0 TRUNK K 0 0 0.05 0 X 8 0 TRUNK K 0 0 0.05 0 X 8 0 TRUNK K 0 0 0.05 0 X 8 0 TRUNK K 0 0 0.05 0 X 8 0 TRUNK K 0 0 0.05 0 X							-				_			-	X	-	0	1	-				1 8 3 7 7 8 8	8	
RETURN AIR #							•				-			_	X	-	•		-				14 44 4	8 .	
RETURN AIR # 1 2 3 4 5 6 7							-				-			-	x	-	•						14.75	_	
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TRUNKX 876   0.05   15   26   X   8   606																		_	•			7	The State of the S		
AIR VOLUME 135 95 175 85 175 365 85 0 0 0 0 0 0 0 0 0 0 201 TRUNKY 675 0.05 13.6 22 x 8 552 PLENUM PRESSURE 0.15 0.15 0.15 0.15 0.15 0.15 0.15 0.15	RETURN AIR #						-		•	0	0	0	0	0	0	0	BR	I.	-				1 1 1 1 1 1 1 1 1		
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EQUIVALENT LENGTH 230 145 165 205 185 225 190 0 0 0 0 0 0 0 0 145 TOTAL EFFECTIVE LH 272 203 222 264 207 249 244 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 59 ADJUSTED PRESSURE 0.05 0.07 0.06 0.07 0.06 0.06 14.80 14.80 14.80 14.80 14.80 14.80 14.80 14.80 14.80 10.09 ROUND DUCT SIZE 7.5 6 7.5 10.3 6 0 0 0 0 0 0 0 0 7.5 INLET GRILL SIZE 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8										1															
ADJUSTED PRESSURE 0.05 0.07 0.07 0.06 0.07 0.06 0.06 14.80 14.80 14.80 14.80 14.80 14.80 14.80 0.09  ROUND DUCT SIZE 7.5 6 7.5 6 7.5 10.3 6 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		230	145	165	205	185	225	190	0	0	0	0	0		0					*					
ROUND DUCT SIZE 7.5 6 7.5 10.3 6 0 0 0 0 0 0 0 7.5 INLET GRILL SIZE 8 8 8 8 8 8 8 8 0 0 0 0 0 0 0 8 X X X X	The state of the s								•	1	•	1	•	•	1	•								1. Table 1.	
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	THEE TOTALE OIZE					-			-	-	-	-	_												
	INLET GRILL SIZE															0	14	1			1 1	<u> </u>	<u> </u>		



TYPE: SITE NAME:

JUNIPER 9 LECCO RIDGE

LO#

73317 LOT 100

#### RESIDENTIAL MECHANICAL VENTILATION DESIGN SUMMARY

COMBUSTION APPLIANCES 9.3	32.3.1(1)	SUPPLEMENTAL VEN	ITILATION CAPACITY		9.32.3.5.
<u> </u>	e di Peri				14.5
a)		Total Ventilation Capaci	ty	212	cfm
b) Positive venting induced draft (except fireplaces)		Less Principal Ventil. Ca	apacity	96	cfm /
c) Natural draft, B-vent or induced draft gas fireplace		Required Supplemental	Capacity	116.0	cfm
d) Solid Fuel (including fireplaces)					
d)Golid Fuer (including fireplaces)		PRINCIPAL EXHAUST	FAN CAPACITY		
e) No Combustion Appliances					
		Model:	VANEE 50H	Location: BSM	T
HEATING SYSTEM		96.0 c	fm 3.0 sones	✓ HVI	Approved
✓ Forced Air Non Forced Air		PRINCIPAL EXHAUST	HEAT LOSS CALCULATION		
		CFM	ΔT *F	FACTOR	% LOSS
Electric Space Heat		96.0 CFM	X 72 F X	1.08 χ	0.34
		SUPPLEMENTAL FAN	S	NUTONE	,
		Location	Model	cfm HVI	Sones
HOUSE TYPE 9.	9.32.1(2)	ENS	QTXEN050C	50	0.3
(	-	BATH	QTXEN050C	50 🗸	0.3
Type a) or b) appliance only, no solid fuel		ENS-5 PWD	QTXEN050C	50  ✓	0.3
II Type I except with solid fuel (including fireplaces)		L PWD	QTXEN050C	50   4	0.3
Type i oxocpt with solid facil (molading mephaces)		HEAT RECOVERY VE	NTILATOR		9.32.3.11.
III Any Type c) appliance		Model:	VANEE 50H		
		96	cfm high	47	fm low
IV Type I, or II with electric space heat					
		66	% Sensible Efficiency	_✓ HVI	Approved
Other: Type I, II or IV no forced air			@ 32 deg F ( 0 deg C)		
		LOCATION OF INSTAL	LATION		
SYSTEM DESIGN OPTIONS O.N.	.H.W.P.	LOCATION OF INSTAL	LATION	RECEIVE	D
5.11.		Lot:	C	TOWN OF MI	_TON
1 Exhaust only/Forced Air System				MAR 29, 20	17
		Township	P	17-4690	
2 LIDV with Dusting/Forced Air Costons					
2 HRV with Ducting/Forced Air System				DUIL DING DIV	ICIONI
		Address	40.	BUILDING DIV	ISION
HRV Simplified/connected to forced air system					
3 HRV Simplified/connected to forced air system		Address		TOWN OF MI	LTON
				TOWN OF MI G AND DEVELOR	LTON PMENT
3 HRV Simplified/connected to forced air system		Roll #	BUILI	TOWN OF MI G AND DEVELOI DING PERMIT: 17	LTON PMENT
3 HRV Simplified/connected to forced air system  HRV with Ducting/non forced air system		Roll #	BUILDING: REV	TOWN OF MI G AND DEVELOI DING PERMIT: 17 IEWED	LTON PMENT -4690
3 HRV Simplified/connected to forced air system  HRV with Ducting/non forced air system  Part 6 Design		Roll #  BUILDER:  Name:	BUILDING: REV SCOTT SHERRI	TOWN OF MI G AND DEVELOI DING PERMIT: 17 IEWED	TON PMENT -4690 9, 2017
3 HRV Simplified/connected to forced air system  HRV with Ducting/non forced air system  Part 6 Design	12.3.3(1)	Roll#	BUILDING: REV SCOTT SHERRI PLANS EXAMINER	TOWN OF MI G AND DEVELOI DING PERMIT: 17 IEWED FFS APR 1	LTON PMENT -4690 9, 2017
3 HRV Simplified/connected to forced air system  4 HRV with Ducting/non forced air system  Part 6 Design  TOTAL VENTILATION CAPACITY  9.33		Roll #  BUILDER:  Name:  Address:	BUILDING: REV SCOTT SHERRI PLANS EXAMINER Neither the issuance o	TOWN OF MI G AND DEVELOI DING PERMIT: 17 IEWED FFS APR 1	_TON PMENT -4690 9, 2017 DATE at of
3 HRV Simplified/connected to forced air system  4 HRV with Ducting/non forced air system  Part 6 Design  TOTAL VENTILATION CAPACITY  9.33	(2.3.3(1)) cfm	Roll #  BUILDER:  Name:	BUILDING: REV SCOTT SHERRI PLANS EXAMINER Neither the issuance or inspections by the Tow full responsibility for occ	TOWN OF MI G AND DEVELOI DING PERMIT: 17 IEWED FFS APR 1	PMENT -4690  9, 2017 DATE ut of vner from ions of
3 HRV Simplified/connected to forced air system  HRV with Ducting/non forced air system  Part 6 Design  TOTAL VENTILATION CAPACITY  9.33  Basement + Master Bedroom  2 @ 21.2 cfm 42.4	cfm	Roll #  BUILDER:  Name:  Address:	BUILDING: REV SCOTT SHERRI PLANS EXAMINER Neither the issuance o inspections by the Tow full responsibility for cothe Ontario Building Cothe Ontario Building Cothe	TOWN OF MI G AND DEVELOI DING PERMIT: 17 IEWED FFS APR 1 f a permit nor carrying o or of Milton relives the or impliance with the provision of Act and the Ontario	PMENT -4690  9, 2017 DATE at of wheer from ions of Building
3 HRV Simplified/connected to forced air system  HRV with Ducting/non forced air system  Part 6 Design  TOTAL VENTILATION CAPACITY  9.33  Basement + Master Bedroom  2 @ 21.2 cfm 42.4		Roll #  BUILDER:  Name:  Address:  City:	BUILDING: REV SCOTT SHERRI PLANS EXAMINER Neither the issuance o inspections by the Tow full responsibility for cothe Ontario Building Ct Code, both as amende statutes and regulation	TOWN OF MI G AND DEVELOI DING PERMIT: 17 IEWED FFS APR 1  If a permit nor carrying o m of Milton relives the o mpliance with the provis de Act and the Ontario d, as well as other appli s of the Province on On	PMENT -4690  9, 2017  DATE ut of vivier from ions of Building cable ario,
3 HRV Simplified/connected to forced air system  4 HRV with Ducting/non forced air system  Part 6 Design  TOTAL VENTILATION CAPACITY  9.3:  Basement + Master Bedroom  2 @ 21.2 cfm 42.4  Other Bedrooms  4 @ 10.6 cfm 42.4	cfm	Roll #  BUILDER:  Name:  Address:  City:	BUILDING: REV SCOTT SHERRI PLANS EXAMINER Neither the issuance o inspections by the Tow full responsibility for co the Ontario Building Co Code, both as amende statutes and regulation	TOWN OF MI G AND DEVELOP DING PERMIT: 17 IEWED FFS APR 1 f a permit nor carrying o on of Milton relives the o mpliance with the provis ode Act and the Ontario d, as well as other appli	PMENT -4690  9, 2017  DATE ut of vivier from ions of Building cable ario,
3 HRV Simplified/connected to forced air system  4 HRV with Ducting/non forced air system  Part 6 Design  TOTAL VENTILATION CAPACITY  Basement + Master Bedroom  2 @ 21.2 cfm	cfm	Roll #  BUILDER:  Name:  Address:  City:  Telephone #:	BUILDING: REV SCOTT SHERRI PLANS EXAMINER Neither the issuance o inspections by the Tow full responsibility for co the Ontario Building Co Code, both as amende statutes and regulation	TOWN OF MI G AND DEVELOI DING PERMIT: 17 IEWED FFS APR 1  If a permit nor carrying o m of Milton relives the o mpliance with the provis de Act and the Ontario d, as well as other appli s of the Province on On	PMENT -4690  9, 2017  DATE ut of vivier from ions of Building cable ario,
3	cfm cfm	Roll #  BUILDER: Name: Address: City: Telephone #:	BUILDING: REV SCOTT SHERRI PLANS EXAMINER Neither the issuance o inspections by the Tow full responsibility for co the Ontario Building Co Code, both as amende statutes and regulation	TOWN OF MI G AND DEVELOI DING PERMIT: 17 IEWED FFS APR 1  If a permit nor carrying o m of Milton relives the o mpliance with the provis de Act and the Ontario d, as well as other appli s of the Province on On	PMENT -4690  9, 2017  DATE ut of vivier from ions of Building cable ario,
3	cfm cfm cfm	Roll #  BUILDER: Name: Address: City: Telephone #: INSTALLING CONTRA Name:	BUILDING: REV SCOTT SHERRI PLANS EXAMINER Neither the issuance o inspections by the Tow full responsibility for co the Ontario Building Co Code, both as amende statutes and regulation	TOWN OF MI G AND DEVELOI DING PERMIT: 17 IEWED FFS APR 1  If a permit nor carrying o m of Milton relives the o mpliance with the provis de Act and the Ontario d, as well as other appli s of the Province on On	PMENT -4690  9, 2017  DATE ut of vivier from ions of Building cable ario,
3	cfm cfm cfm cfm	Roll #  BUILDER: Name: Address: City: Telephone #: INSTALLING CONTRA Name:	BUILDING: REV SCOTT SHERRI PLANS EXAMINER Neither the issuance o inspections by the Tow full responsibility for co the Ontario Building Co Code, both as amende statutes and regulation	TOWN OF MI G AND DEVELOI DING PERMIT: 17 IEWED FFS APR 1  If a permit nor carrying o m of Milton relives the o mpliance with the provis de Act and the Ontario d, as well as other appli s of the Province on On	PMENT -4690  9, 2017  DATE ut of vivier from ions of Building cable ario,
3	cfm cfm cfm	Roll #  BUILDER: Name: Address: City: Telephone #:  INSTALLING CONTRA Name: Address: City:	BUILDING: REV SCOTT SHERRI PLANS EXAMINER Neither the issuance o inspections by the Tow full responsibility for co the Ontario Building Ct Code, both as amende statutes and regulation By-laws of the Region	TOWN OF MI G AND DEVELOI DING PERMIT: 17 IEWED FFS APR 1 If a permit nor carrying o m of Militon relives the or impliance with the provisible Act and the Ontario do, as well as other applies of the Province on On of Halton and Town of M	PMENT -4690  9, 2017  DATE ut of vivier from ions of Building cable ario,
3 HRV Simplified/connected to forced air system  4 HRV with Ducting/non forced air system  Part 6 Design  TOTAL VENTILATION CAPACITY  Basement + Master Bedroom  2 @ 21.2 cfm	cfm cfm cfm cfm	Roll #  BUILDER: Name: Address: City: Telephone #: INSTALLING CONTRA Name: Address:	BUILDING: REV SCOTT SHERRI PLANS EXAMINER Neither the issuance o inspections by the Tow full responsibility for co the Ontario Building Ct Code, both as amende statutes and regulation By-laws of the Region	TOWN OF MI G AND DEVELOI DING PERMIT: 17 IEWED FFS APR 1  If a permit nor carrying o m of Milton relives the o mpliance with the provis de Act and the Ontario d, as well as other appli s of the Province on On	PMENT -4690  9, 2017  DATE ut of vivier from ions of Building cable ario,
3	cfm cfm cfm cfm	Roll #  BUILDER: Name: Address: City: Telephone #: INSTALLING CONTRA Name: Address: City: Telephone #:	BUILDING: REV SCOTT SHERRI PLANS EXAMINER Neither the issuance o inspections by the Tow full responsibility for co the Ontario Building Co Code, both as amende statutes and regulation By-laws of the Region	TOWN OF MI G AND DEVELOI DING PERMIT: 17 IEWED FFS APR 1 If a permit nor carrying o m of Militon relives the or impliance with the provisible Act and the Ontario do, as well as other applies of the Province on On of Halton and Town of M	PMENT -4690  9, 2017  DATE ut of vivier from ions of Building cable ario,
3 HRV Simplified/connected to forced air system  4 HRV with Ducting/non forced air system  Part 6 Design  TOTAL VENTILATION CAPACITY  Basement + Master Bedroom  2 @ 21.2 cfm	cfm cfm cfm cfm	Roll #  BUILDER: Name: Address: City: Telephone #: INSTALLING CONTRA Name: Address: City: Telephone #:	BUILDING: REV SCOTT SHERRI PLANS EXAMINER Neither the issuance o inspections by the Tow full responsibility for co the Ontario Building Co Code, both as amende statutes and regulation By-laws of the Region	TOWN OF MI G AND DEVELOI DING PERMIT: 17 IEWED FFS APR 1  f a permit nor carrying o or of Milton relives the o impliance with the provisible Act and the Ontario d, as well as other appli s of the Province on On of Halton and Town of Milton ax #:	PMENT -4690  9, 2017  DATE ut of vivier from ions of Building cable ario,
3	cfm cfm cfm cfm	Roll #  BUILDER: Name: Address: City: Telephone #: INSTALLING CONTRA Name: Address: City: Telephone #:	BUILDING: REV SCOTT SHERRI PLANS EXAMINER Neither the issuance o inspections by the Tow full responsibility for co the Ontario Building Cr Code, both as amende statutes and regulation By-laws of the Region  ATION ventilation system has been desi	TOWN OF MI G AND DEVELOI DING PERMIT: 17 IEWED FFS APR 1  f a permit nor carrying o or of Milton relives the o impliance with the provisible Act and the Ontario d, as well as other appli s of the Province on On of Halton and Town of Milton ax #:	PMENT -4690  9, 2017  DATE ut of vivier from ions of Building cable ario,
3	cfm cfm cfm cfm	Roll #  BUILDER: Name: Address: City: Telephone #: INSTALLING CONTRA Name: Address: City: Telephone #: DESIGNER CERTIFICA I hereby certify that this	BUILDING: REV SCOTT SHERRI PLANS EXAMINER Neither the issuance o inspections by the Tow full responsibility for co the Ontario Building Cr Code, both as amende statutes and regulation By-laws of the Region  ATION ventilation system has been desi	TOWN OF MI G AND DEVELOI DING PERMIT: 17 IEWED FFS APR 1  f a permit nor carrying o or of Milton relives the o impliance with the provisible Act and the Ontario d, as well as other appli s of the Province on On of Halton and Town of Milton ax #:	PMENT -4690  9, 2017  DATE ut of vivier from ions of Building cable ario,
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3	cfm cfm cfm cfm	Roll #  BUILDER: Name:  Address: City: Telephone #:  INSTALLING CONTRA Name: Address: City: Telephone #:  DESIGNER CERTIFICA I hereby certify that this in accordance with the Contract of the	BUILDING: REV SCOTT SHERRI PLANS EXAMINER Neither the issuance o inspections by the Tow full responsibility for co the Ontario Building Cr Code, both as amende statutes and regulation By-laws of the Region  ATION Ventilation system has been desi Ontario Building Code. HVAC Designs Ltd.  Machael	TOWN OF MI G AND DEVELOI DING PERMIT: 17 IEWED FFS APR 1  f a permit nor carrying o n of Milton relives the o mpliance with the provis ode Act and the Ontario d, as well as other appli s of the Province on On of Halton and Town of N	PMENT -4690  9, 2017  DATE ut of vivier from ions of Building cable ario,
3	cfm cfm cfm cfm cfm	Roll #  BUILDER: Name: Address: City: Telephone #: INSTALLING CONTRA Name: Address: City: Telephone #: DESIGNER CERTIFICA I hereby certify that this in accordance with the Contains and the Cont	BUILDING: REV SCOTT SHERRI PLANS EXAMINER Neither the issuance o inspections by the Tow full responsibility for co the Ontario Building Co Code, both as amende statutes and regulation By-laws of the Region  ATION Ventilation system has been desi Ontario Building Code. HVAC Designs Ltd.	TOWN OF MI G AND DEVELOI DING PERMIT: 17 IEWED FFS APR 1  f a permit nor carrying o in of Militon relives the or impliance with the provision of the control	PMENT -4690  9, 2017  DATE ut of vivier from ions of Building cable ario,

INDIVIDUAL BCIN: 19669



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**

	10557110 07111	SOLUTION STEEL	
MODEL: JUNIPER 9	LOT 100	BUILDER: GREENPARK HOME	<u>:</u> S
<b>SFQT:</b> 3475 <b>LC</b>	<b>)</b> # <b>7</b> 3317	SITE: LECCO RIDGE	
DESIGN ASSUMPTIONS			
HEATING	*F	COOLING	°F
OUTDOOR DESIGN TEMP.	0	OUTDOOR DESIGN TEMP.	86
INDOOR DESIGN TEMP.	<b>72</b> 72 72 74 75	INDOOR DESIGN TEMP. (MAX 75°F)	72
BUILDING DATA	30000000000000000000000000000000000000		
ATTACHMENT:	DETACHED	# OF STORIES (+BASEMENT):	3
FRONT FACES:	EAST	ASSUMED (Y/N):	Υ
AIR CHANGES PER HOUR:	3.57	ASSUMED (Y/N):	Υ
AIR TIGHTNESS CATEGORY:	AVERAGE	ASSUMED (Y/N):	Υ
WIND EXPOSURE:	SHELTERED	ASSUMED (Y/N):	Υ
HOUSE VOLUME (ft³):	49192.0	ASSUMED (Y/N):	Υ
INTERNAL SHADING: BI	LINDS/CURTAINS	ASSUMED OCCUPANTS:	6
INTERIOR LIGHTING LOAD (Btu/h/ft²):	1.50	DC BRUSHLESS MOTOR (Y/N):	Υ
FOUNDATION CONFIGURATION	BCIN_1	DEPTH BELOW GRADE:	6.5 ft
LENGTH: 60.0 ft WIDT	H: 38.0 ft	EXPOSED PERIMETER:	196.0 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 Minimun	n RSI (R)-Value	en Salaria de La Carta de Cart
Edge of Below Grade Slab ≤ 600 mm Below Grade Minimum RSI (	R)-Value	10
Heated Slab or Slab ≤ 600 mm below grade Minimum RSI (R)-Valu	ue	10
Windows and Sliding Glass Doors Maximum U-Value	RECEIVED TOWN OF MILTON	ZONE 2
Skylights Maximum U-Value	MAR 29, 2017	ZONE 2
Space Heating Equipment Minimum AFUE	17-4690	0.95
HRV Minimum Efficiency	BUILDING DIVISION	65%
Domestic Hot Water Heater Minimum EF	POLEDING BIVIOLOGY	90% TE

INDIVIDUAL BCIN: 19669 MICHAEL O'ROURKE





## Residential Foundation Thermal Load Calculator

Supplemental tool for CAN/CSA-F280

Note that the second of the se	eather Statio	on Description						
Province:	Ontario							
Region:	Milton	and the second of the second o						
· ·	Site Des	scription						
Soil Conductivity:	Normal cor	nductivity: dry dand, loam, clay						
Water Table: Normal (7-10 m, 23-33 ft)								
	Foundation	Dimensions						
Floor Length (m):	18.3							
Floor Width (m):	11.6							
Exposed Perimeter (m):	0.0							
Wall Height (m):	2.9							
Depth Below Grade (m):	2.0	Insulation Configuration						
Window Area (m²):	2.3							
Door Area (m²):	3.7							
	Radiar	nt Slab						
Heated Fraction of the Slab:	0							
Fluid Temperature (°C):	33							
	Design	Months						
Heating Month	1							
	Foundati	on Loads						
Heating Load (Watts):		1938						

TYPE: JUNIPER 9

LO# 73317

**LOT 100** 

RECEIVED TOWN OF MILTON MAR 29, 2017 17-4690 BUILDING DIVISION





## **Air Infiltration Residential Load Calculator**

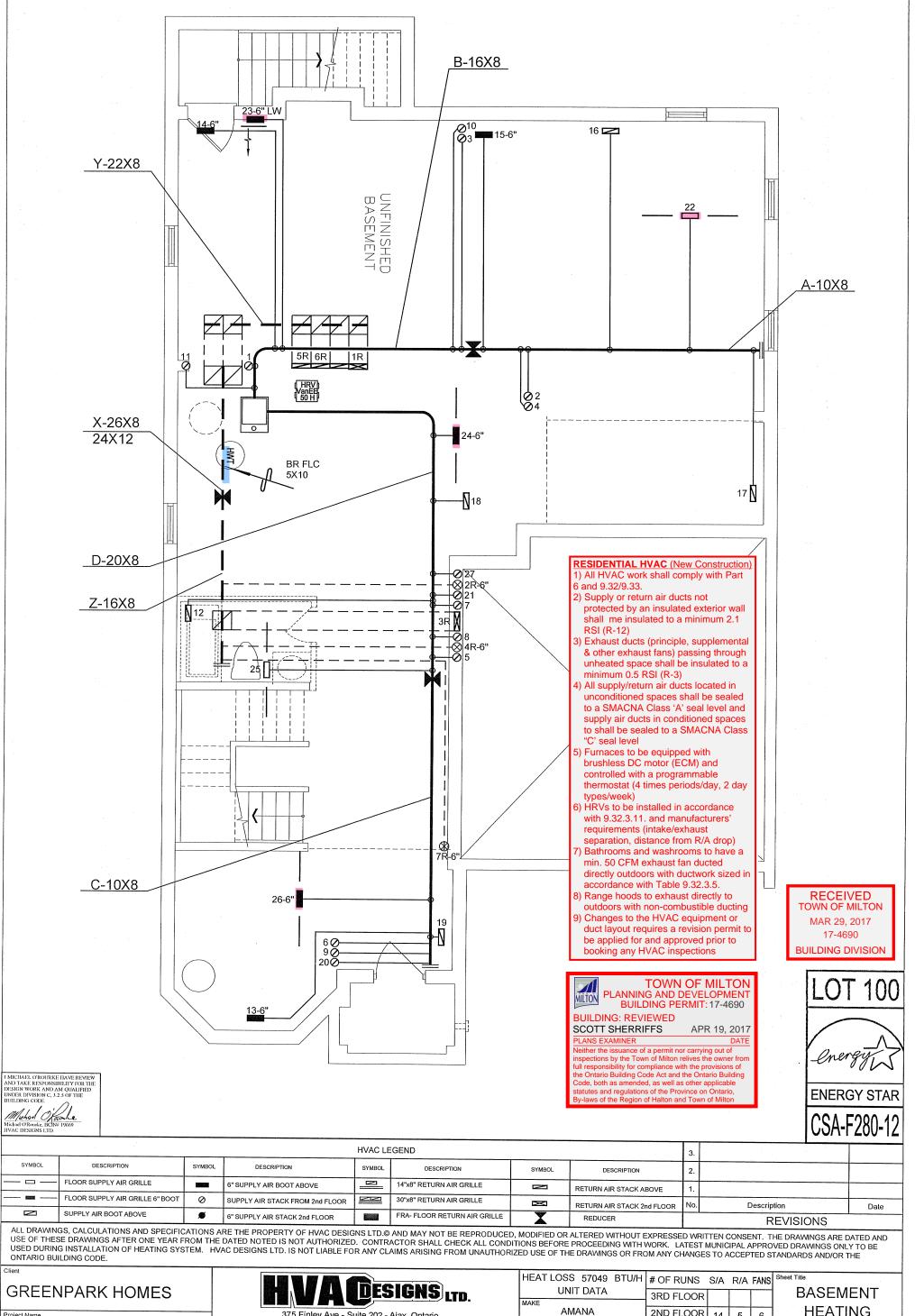
Supplemental tool for CAN/CSA-F280

Weathe	r 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):	7.01					
Build	ing Configuration					
Туре:	Detached					
Number of Stories:	Two					
Foundation: Full						
House Volume (m³):	1393.0					
Air Le	akage/Ventilation					
Air Tightness Type:	Present (1961-) (3.57 ACH)					
Custom BDT Data:	ELA @ 10 Pa. 1856.9 cm²					
	3.57 ACH @ 50 Pa					
Mechanical Ventilation (L/s):	Total Supply Total Exhaust					
	45.3 45.3					
	Flue Size					
Flue #:	#1 #2 #3 #4					
Diameter (mm):	0 0 0 0					
Natura	al Infiltration Rates					
Heating Air Leakage Rate (AC	CH/H): 0.316					
Cooling Air Leakage Rate (AC	CH/H): 0.108					

**TYPE:** JUNIPER 9 **LO#** 73317

LOT 100

RECEIVED TOWN OF MILTON MAR 29, 2017 17-4690 BUILDING DIVISION



Project Name

LECCO RIDGE MILTON, ONTARIO

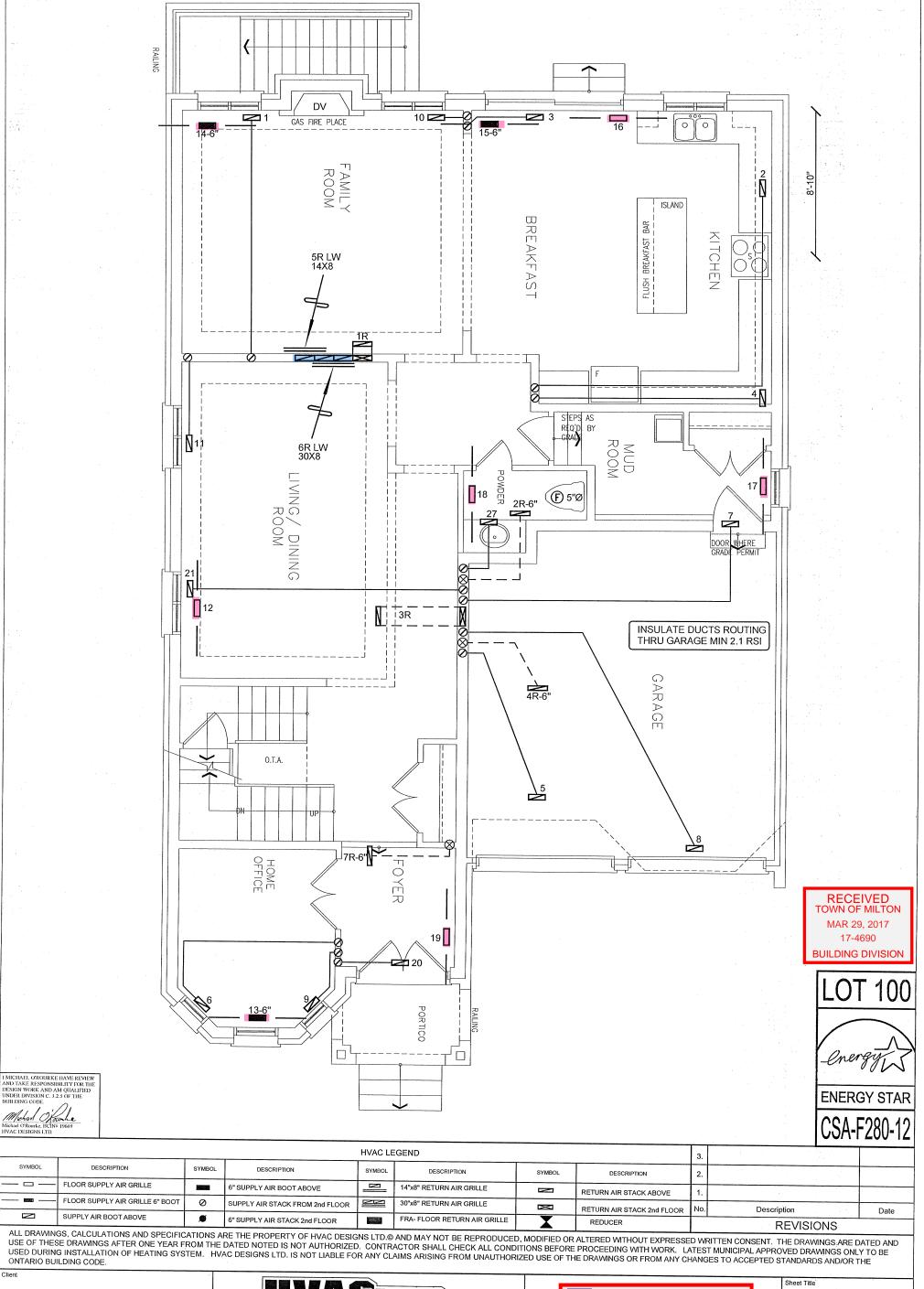
**LOT 100** JUNIPER 9

3475 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.

_										
		SS 57049	BTU/H	# OF RUNS	S/A	R/A	FANS			
	MAKE	UNIT DATA						BASEMENT		
	,	AMANA		2ND FLOOR	14	5	6	HEATING		
		C960804CN	Α	1ST FLOOR	8	2	2	LAYOUT		
	INPUT	80	MBTU/H	BASEMENT	5	1	0	Date MAR/2017		
_	OUTPUT	76.8	MBTU/H	ALL S/A DIFFUS				Scale 3/16" = 1'-0"		
Э.	COOLING	3.5	TONS	ON LAYOUT. AL	L S/A	RUNS	5 5"Ø	BCIN# 19669		
	FAN SPEED	1316	UNLESS NOTEI ON LAYOUT. U DOORS 1" min.	NDER	CUT	SE	LO# 73317			



### **GREENPARK HOMES**

Project Name
LECCO RIDGE
MILTON, ONTARIO

LOT 100 JUNIPER 9

3475 sqft

# HVA DESIGNS LTD.

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

Specializing in Residential Mechanical Design Services

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



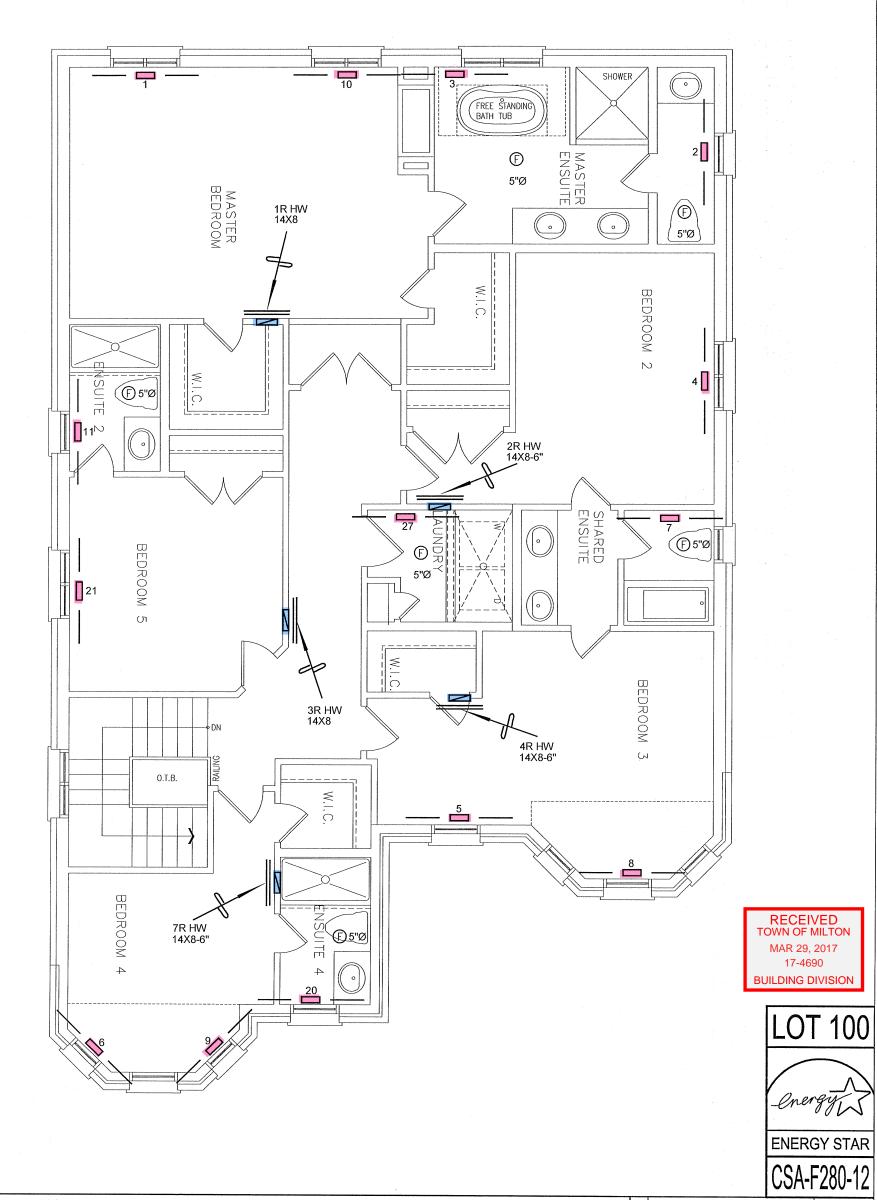
BUILDING: REVIEWED
SCOTT SHERRIFFS APR 19, 2017
PLANS EXAMINER DATE

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 statutes and regulations of the Province on Ontario, By-laws of the Region of Halton and Town of Milton

FIRST FLOOR
HEATING
LAYOUT

Date MAR/2017
Scale 3/16" = 1'-0"

BCIN# 19669 LO# 73317



HVAC LEGEND DESCRIPTION SYMBOL DESCRIPTION DESCRIPTION SYMBOL SYMBOL SYMBOL 2. - - -FLOOR SUPPLY AIR GRILLE Ø 6" SUPPLY AIR BOOT ABOVE 14"x8" RETURN AIR GRILLE RETURN AIR STACK ABOVE FLOOR SUPPLY AIR GRILLE 6" BOOT 30"x8" RETURN AIR GRILLE 100-00 0 SUPPLY AIR STACK FROM 2nd FLOOR  $\boxtimes$ Description RETURN AIR STACK 2nd FLOOR Date FRA- FLOOR RETURN AIR GRILLE SUPPLY AIR BOOT ABOVE ø 6" SUPPLY AIR STACK 2nd FLOOR REDUCER REVISIONS

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### **GREENPARK HOMES**

LECCO RIDGE MILTON, ONTARIO

LOT 100 JUNIPER 9

3475 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.



PLANS EXAMINER PLANS EXAMINER DATE

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SECOND FLOOR **HEATING** LAYOUT

Date MAR/2017 3/16" = 1'-0" BCIN# 19669

73317 LO#