

SITE NAME:	LECCO	RIDGE	:													DATE	: Dec-16			١	WINTE	R NA 1	URAI	. AIR C	CHANGE RATE 0.307 HEAT LOSS AT °F. 72 CSA-F280-
BUILDER:				S			TYP	E: JUN	IIPER 6			GFA	: 3119				71351								CHANGE RATE 0.105 HEAT GAIN ΔT°F. 14 ENERGYSTA
ROOM USE	T	T		MBR	$\overline{}$	E	ENS	T	wc		BEI		T	BED	-3	Γ	BED-4	T		BATH		T	ENS		LICE OF THE PARTY
EXP. WALL		İ		36			22	-	8		1	2	1	15		l	14			23			7		
CLG. HT.	l	l		10			9		9		9			10		l	9			9		l	9		
	FACTO	R\$			- 1													ı							
GRS.WALL AREA	Loss	GAIN		360			198		72		10	18	1	150	)		126			207			63		
GLAZING		1		LOSS	GAIN	L	OSS GAI	N	LOSS	GAIN	LO	SS GAIN	4	LOS	S GAIN		LOSS G	AIN		LOSS	GAIN			S GAIN	N I I
NORTH	17.9	15.8	0	0	0	9 -	161 14	3 0	0	0	18 32	1 285	5	89		0	0	0	0	0	0	0	0	0	
EAST	1	41.4	0	0	0		0 0		0	0	0 0		38	678		0	0	0	16	286	663	0	Ô	0	
SOUTH	17.9	24.8	0	0	0	0	0 0	0	0	0	0 0	0	0	0	0	15	268	372	0	0	0	8	143	198	
WEST	17.9	41.4	34	607	1408	13 :	232 63	8 7	125	290	0 0	0	0	0	0	0	0	0	0	0	0	0	0	0	PLANNING AND DEVELOPMENT
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	JUNIPER 6 MODEL
DOORS	24.1	4.7	0	0	0	0	0 0	0	0	0	0 0	0	0	0	0	0	0	0	0	0	0	0	0	0	BUILDING: REVIEWED
NET EXPOSED WALL	2.6	0.5	326	853	165	176	461 89	65	170	33	90 23	5 46	107	280	54	111	290	56	191	500	97	55	144	28	SCOTT SHERRIFFS APR 7, 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	0	0	0	
EXPOSED CLG	1.4	0.7	320	441	219	117	161 80	104	4 143	71	204 28	1 140	168	231	115	210	289	144	119	164	82	126	174	86	
NO ATTIC EXPOSED CLG	2.2	1.1	0	0	0	0	0 0	0	0	0	0 0	0	36	81	40	0	0	0	0	0	0	0	0	0	inspections by the Town of Milton relives the owner from
EXPOSED FLOOR	2.2	0.4	0	0	0	0	0 0	0	0	0	0 0	0	156	342	66	0	0	0	105	230	45	0	0	0	full responsibility for compliance with the provisions of
BASEMENT/CRAWL HEAT LOSS				0			0		0		0		l	0		l	0			0			0		the Ontario Building Code Act and the Ontario Building
SLAB ON GRADE HEAT LOSS				0			0		0		0			0		l	0	- 1		0			0		Code, both as amended, as well as other applicable
SUBTOTAL HT LOSS				1901		1	014		438		83	8		1702	2	l	848			1180			460		statutes and regulations of the Province on Ontario,
SUB TOTAL HT GAIN					1792		850	0		394		470	- [		1929	l		572			885			312	By-laws of the Region of Halton and Town of Milton
LEVEL FACTOR / MULTIPLIER		- 1	0.20	0.38		0.20 0	.38	0.20	0.38		0.20 0.3	8	0.20	0.38	3	0.20	0.38	- [	0.20	0.38		0.20	0.38		
AIR CHANGE HEAT LOSS				725		;	387		167		31	9		649		1	323			460			175		RECEIVED
AIR CHANGE HEAT GAIN					150		71			33		39	ı		162			48			74			26	
DUCTLOSS				0			0		0		0			235			0	1		163			0		
DUCT GAIN					0		0	1		0		0			280			0			143			0	MAR 29, 2017
HEAT GAIN PEOPLE	240		2		480	0	0	0		0	1	240	1		240	1	:	240	0		0	0		0	JUNIPER 6
HEAT GAIN APPLIANCES/LIGHTS					467		467	7		0		467			467			467			467			467	,
TOTAL HT LOSS BTUIH				2625	- 1	1	401		605		11			2586			1171			1792			636		BUILDING DIVISION
TOTAL HT GAIN x 1.3 BTU/H					3756		180	5		555		1582	2		4000		1	724			2040			1047	7
ROOM USE				LV/DN			OFF		KT/FM				т	LAUI						501			• • • • •		
EXP. WALL		- 1		24			22	1	72	' I			1	LAUI	1/4					FOY			MUE	,	BAS
CLG. HT.		1		10	1		22 11		10				1	9						98 10			8 11		180
1	FACTO	۱ ،		10	- 1		"		10				1	9				- 1		10	-		11		10
1	LOSS	- 1		240			242	1		.			1							980					1170
GLAZING		~17114												n											
NORTH		- 1			SAIN			N	720 LOSS	GAIN			İ	108	S GAIN			j			أيدامي		88	CAIN S	1 1 1
EAST	17.9	15.8		LOSS (		LC	OSS GAI		LOSS					LOS	S GAIN				1	oss		•	LOS	S GAIN	N LOSS GAI
		15.8 41.4	0	LOSS (	0	18 3	OSS GAI 321 288	5 0	LOSS 0	0			0	LOS:	0				28	OSS 500	444	0	LOS:	0	N LOSS GAI 9 161 14:
	17.9	41.4	0 0	LOSS (		18 3 0	OSS GAI	5 0	LOSS 0 0	0			0 0	LOS	0				28 74	LOSS 500 1321	444 3065	0	LOS: 0 0	0	N LOSS GAI 9 161 14:
SOUTH	17.9 17.9	41.4 24.8	0 0 38	LOSS (	0	18 3 0 0	OSS GAI 321 288 0 0	5 0 0 0	LOSS 0 0 0	0 0 0			o	LOS: 0 0	0 0 0				28 74	OSS 500 1321 214	444 3065 297	0	0 0 0 0	0 0 0	N LOSS GAI 9 161 14: 0 0 0 0 0 0 0
SOUTH WEST	17.9 17.9 17.9	41.4	0 0 38 0	LOSS (	0	18 3 0 0 0	OSS GAI 321 288 0 0 0 0	5 0 0 0 103	LOSS 0 0 0 0 1839	0 0 0 4266			o	0 0 0	0 0 0				28 74 12 0	OSS 500 1321 214 0	444 3065 297 0	0	0 0 0 0	0 0 0	N LOSS GAI 9 161 14: 0 0 0 0 0 0 0 0 0
SOUTH WEST SKYLT.	17.9 17.9 17.9 30.6	41.4 24.8 41.4	0 0 38 0	0 0 0 678 0	0 0 941 0	18 3 0 0 0 0	OSS GAI 321 288 0 0 0 0	5 0 0 0 103 0	LOSS 0 0 0 0 3 1839 0	0 0 0			0 0	0 0 0 0	0 0 0 0				28 74 12 0 0	OSS 500 1321 214 0 0	444 3065 297 0 0	0 0 0	LOS: 0 0 0 0	0 0 0 0	N LOSS GAI 9 161 14: 0 0 0 0 0 0 0 0 0 0 0 0 0 0
SOUTH WEST SKYLT.	17.9 17.9 17.9	41.4 24.8 41.4 101.2	0 0 38 0 0	LOSS ( 0 0 678 0 0	0 0 941 0 0	18 3 0 0 0 0 0	OSS GAI 321 288 0 0 0 0 0 0	5 0 0 0 103 0	LOSS 0 0 0 0 1839 0	0 0 0 4266 0			0 0 0	0 0 0 0 0	0 0 0				28 74 12 0 0 20	OSS 500 1321 214 0 0 481	444 3065 297 0 0 93	0 0 0 0 20	0 0 0 0 0 0 481	0 0 0 0 0 93	N LOSS GAI 9 161 14: 0 0 0 0 0 0 0 0 0 0 0 0 20 481 93
SOUTH WEST SKYLT. DOORS	17.9 17.9 17.9 30.6 24.1 2.6	41.4 24.8 41.4 101.2 4.7 0.5	0 0 38 0 0 0	LOSS ( 0 0 678 0 0	0 0 941 0 0	18 3 0 0 0 0 0 0 0 0	OSS GAI 321 288 0 0 0 0 0 0 0 0	5 0 0 0 103 0 0 617	LOSS 0 0 0 0 1839 0	0 0 0 4266 0			0 0 0 0 0	LOS: 0 0 0 0 0	0 0 0 0				28 74 12 0 0 20	DOSS 500 1321 214 0 0 481 2214	444 3065 297 0 0	0 0 0 0 20 68	0 0 0 0 0 0 481 178	0 0 0 0 0 93 34	N LOSS GAI 9 161 14: 0 0 0 0 0 0 0 0 0 0 0 0 0 20 481 93 0 0 0
SOUTH WEST SKYLT. DOORS NET EXPOSED WALL	17.9 17.9 17.9 30.6 24.1	41.4 24.8 41.4 101.2 4.7	0 0 38 0 0	LOSS (0 0 678 0 0 0 529	0 0 941 0 0 0	18 3 0 0 0 0 0 0 0 0 224 8	OSS GAI 321 288 0 0 0 0 0 0 0 0 0 0 0 0 586 113	5 0 0 0 103 0	LOSS 0 0 0 1839 0 0 7 1614	0 0 0 4266 0 0 312			0 0 0 0 0 0 0	0 0 0 0 0 0	0 0 0 0 0 0 0				28 74 12 0 0 20 846	OSS 500 1321 214 0 0 481	444 3065 297 0 0 93	0 0 0 0 20	0 0 0 0 0 0 481	0 0 0 0 0 93	N LOSS GAI 9 161 14: 0 0 0 0 0 0 0 0 0 0 0 0 0 20 481 93 0 0 0 540 1802 348
SOUTH WEST SKYLT. DOORS NET EXPOSED WALL HET EXPOSED BSMT WALL ABOVE GR	17.9 17.9 17.9 30.6 24.1 2.6 3.3 1.4	41.4 24.8 41.4 101.2 4.7 0.5 0.6	0 0 38 0 0 0 202	LOSS (0 0 678 0 0 0 529	0 0 941 0 0 0 102	18 3 0 0 0 0 0 0 224 6	OSS GAI 321 286 0 0 0 0 0 0 0 0 0 0 586 113	5 0 0 0 103 0 0 617 0	LOSS 0 0 0 1839 0 0 7 1614	0 0 4266 0 0 312			0 0 0 0 0 0 0 0 0	LOS: 0 0 0 0 0 0	0 0 0 0 0 0 0				28 74 12 0 0 20 846 0 206	OSS 500 1321 214 0 0 481 2214 0	444 3065 297 0 0 93 428 0	0 0 0 0 20 68 0	LOS: 0 0 0 0 481 178 0	0 0 0 0 0 93 34	N LOSS GAI 9 161 14: 0 0 0 0 0 0 0 0 0 0 0 0 20 481 93 0 0 0 540 1802 34: 0 0 0
SOUTH WEST SKYLT. DOORS NET EXPOSED WALL NET EXPOSED BSM WALL ABOVE GR EXPOSED CLG	17.9 17.9 17.9 30.6 24.1 2.6 3.3	41.4 24.8 41.4 101.2 4.7 0.5 0.6 0.7	0 0 38 0 0 0 202 0	LOSS (0 0 678 0 0 0 529 0	0 0 941 0 0 0 102 0	18 3 0 0 0 0 0 0 224 8 0 0	OSS GAI 321 286 0 0 0 0 0 0 0 0 0 0 586 113 0 0	5 0 0 0 103 0 0 617 0 6	LOSS 0 0 0 1839 0 0 7 1614 0 8	0 0 0 4266 0 0 312 0 4			0 0 0 0 0 0 0	LOS: 0 0 0 0 0 0 0 185	0 0 0 0 0 0 0 92				28 74 12 0 0 20 846	OSS 500 1321 214 0 0 481 2214	444 3065 297 0 0 93 428	0 0 0 0 20 68 0 0	LOS: 0 0 0 0 481 178 0 0	0 0 0 0 0 93 34 0	N LOSS GAI 9 161 14: 0 0 0 0 0 0 0 0 0 0 0 20 481 93 0 0 0 540 1802 34: 0 0 0 0 0 0
SOUTH WEST SKYLT. DOORS NET EXPOSED WALL NET EXPOSED BSMT WALL ABOVE GR EXPOSED CLG NO A TRIC EXPOSED CLG	17.9 17.9 17.9 30.6 24.1 2.6 3.3 1.4 2.2	41.4 24.8 41.4 101.2 4.7 0.5 0.6 0.7 1.1	0 0 38 0 0 0 202 0 0	LOSS (0 0 678 0 0 0 529 0	0 0 941 0 0 0 102 0 0	18 3 0 0 0 0 0 0 224 8 0 0	OSS GAI 321 288 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	5 0 0 0 103 0 0 617 0 6	LOSS 0 0 0 1839 0 0 7 1614 0 8	0 0 4266 0 0 312 0 4			0 0 0 0 0 0 0 134	LOS: 0 0 0 0 0 0 0 0 185	0 0 0 0 0 0 0 92				28 74 12 0 0 20 846 0 206 24	OSS 500 1321 214 0 0 481 2214 0 284 54	444 3065 297 0 0 93 428 0	0 0 0 0 20 68 0	LOS: 0 0 0 0 481 178 0	0 0 0 0 0 93 34 0	N LOSS GAI 9 161 14: 0 0 0 0 0 0 0 0 0 0 0 0 0 20 481 93 0 0 0 540 1802 34: 0 0 0 0 0 0
SOUTH WEST SKYLT. DOORS NET EXPOSED WALL NET EXPOSED BSMT WALL ABOVE GR EXPOSED CLG NO A TTIC EXPOSED CLG EXPOSED FLOOR	17.9 17.9 17.9 30.6 24.1 2.6 3.3 1.4 2.2	41.4 24.8 41.4 101.2 4.7 0.5 0.6 0.7 1.1	0 0 38 0 0 0 202 0 0	LOSS (0 0 678 0 0 0 529 0	0 0 941 0 0 0 102 0 0	18 3 0 0 0 0 0 0 0 224 6 0 0	OSS GAI 321 288 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	5 0 0 0 103 0 0 617 0 6	LOSS 0 0 0 0 3 1839 0 0 7 1614 0 8 0 0	0 0 4266 0 0 312 0 4			0 0 0 0 0 0 0 134	LOS: 0 0 0 0 0 0 0 185 0 143	0 0 0 0 0 0 0 92				28 74 12 0 0 20 846 0 206 24	OSS 500 1321 214 0 0 481 2214 0 284 54	444 3065 297 0 0 93 428 0	0 0 0 0 20 68 0 0	LOS: 0 0 0 0 481 178 0 0	0 0 0 0 0 93 34 0	N LOSS GAI 9 161 14: 0 0 0 0 0 0 0 0 0 0 0 20 481 93 0 0 0 540 1802 34: 0 0 0 0 0 0
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	17.9 17.9 17.9 30.6 24.1 2.6 3.3 1.4 2.2	41.4 24.8 41.4 101.2 4.7 0.5 0.6 0.7 1.1	0 0 38 0 0 0 202 0 0	LOSS 0 0 678 0 0 0 0 529 0 0 0	0 0 941 0 0 0 102 0 0	18 3 0 0 0 0 0 0 0 224 8 0 0	OSS GAI 321 288 0 0 0 0 0 0 0 0 0 0 0 0 586 113 0 0 0 0 0 0	5 0 0 0 103 0 0 617 0 6	LOSS 0 0 0 0 3 1839 0 0 7 1614 0 8 0 0 0 0	0 0 4266 0 0 312 0 4			0 0 0 0 0 0 0 134	LOS: 0 0 0 0 0 0 0 185 0 143 0	0 0 0 0 0 0 0 92				28 74 12 0 0 20 846 0 206 24	OSS 500 1321 214 0 0 481 2214 0 284 54 0	444 3065 297 0 0 93 428 0	0 0 0 0 20 68 0 0	LOS: 0 0 0 0 481 178 0 0 0 0	0 0 0 0 0 93 34 0	N LOSS GAI 9 161 14: 0 0 0 0 0 0 0 0 0 0 0 0 0 20 481 93 0 0 0 540 1802 34: 0 0 0 0 0 0 0 0 0 6134
SOUTH WEST SKYLT. DOORS NET EXPOSED WALL HET EXPOSED BSMT WALL ABOVE GR EXPOSED CLG NO ATTIC EXPOSED CLG EXPOSED FLOOR BASEMENT/CRAWL HEAT LOSS SLAB ON GRADE HEAT LOSS	17.9 17.9 17.9 30.6 24.1 2.6 3.3 1.4 2.2	41.4 24.8 41.4 101.2 4.7 0.5 0.6 0.7 1.1	0 0 38 0 0 0 202 0 0	LOSS 0 0 0 678 0 0 0 529 0 0 0 0 0	0 0 941 0 0 0 102 0 0	18 3 0 0 0 0 0 0 0 224 8 0 0	OSS GAI 321 288 0	5 0 0 0 103 0 0 617 0 6	LOSS 0 0 0 1839 0 7 1614 0 8 0 0 0	0 0 4266 0 0 312 0 4			0 0 0 0 0 0 0 134	LOS: 0 0 0 0 0 0 0 185 0 143 0	0 0 0 0 0 0 0 92				28 74 12 0 0 20 846 0 206 24	0 S S 500 1321 214 0 0 481 2214 0 284 54 0 0 0 5067	444 3065 297 0 0 93 428 0	0 0 0 0 20 68 0 0	LOS: 0 0 0 0 481 178 0 0 0	0 0 0 0 0 93 34 0	N LOSS GAI 9 161 14: 0 0 0 0 0 0 0 0 0 0 0 0 0 20 481 93 0 0 0 0 540 1802 34: 0 0 0 0 0 0 0 0 0 6134 8678
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	17.9 17.9 17.9 30.6 24.1 2.6 3.3 1.4 2.2	41.4 24.8 41.4 101.2 4.7 0.5 0.6 0.7 1.1 0.4	0 0 38 0 0 0 202 0 0	LOSS 0 0 0 678 0 0 0 529 0 0 0 0 0	0 0 941 0 0 0 102 0 0 0	18 3 0 0 0 0 0 0 0 224 8 0 0	OSS GAI 221 288 0	5 0 0 0 103 0 0 617 0 6	LOSS 0 0 0 1839 0 7 1614 0 8 0 0 0	0 0 0 4266 0 0 312 0 4 0			0 0 0 0 0 0 0 134 0 65	LOS: 0 0 0 0 0 0 0 185 0 143 0	0 0 0 0 0 0 0 0 92 0 28				28 74 12 0 0 20 846 0 206 24	0 S S 500 1321 214 0 0 481 2214 0 284 54 0 0 5067	444 3065 297 0 0 93 428 0 141 27 0	0 0 0 0 20 68 0 0	LOS: 0 0 0 0 481 178 0 0 0 0 659	0 0 0 0 0 93 34 0 0	N LOSS GAI 9 161 14: 0 0 0 0 0 0 0 0 0 0 0 0 0 20 481 93 0 0 0 540 1802 34: 0 0 0 0 0 0 0 0 0 6134
SOUTH WEST SKYLT. DOORS NET EXPOSED WALL MET EXPOSED BSMT WALL ABOVE GR EXPOSED CLG NO ATTIC EXPOSED CLG EXPOSED FLOOR BASEMENTICRAWL HEAT LOSS SLAB ON GRADE HEAT LOSS SUBTOTAL HT GAIN	17.9 17.9 17.9 30.6 24.1 2.6 3.3 1.4 2.2	41.4 24.8 41.4 101.2 4.7 0.5 0.6 0.7 1.1 0.4	0 0 38 0 0 0 202 0 0	LOSS 0 0 0 678 0 0 0 529 0 0 0 0 0	0 0 941 0 0 0 102 0 0 0	LC 18 3 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	OSS GAI 221 288 0	5 0 0 0 103 0 0 617 0 6	LOSS 0 0 0 1839 0 1614 0 8 0 0 0 0 3	0 0 0 4266 0 0 312 0 4 0			0 0 0 0 0 0 0 134 0 65	LOS: 0 0 0 0 0 0 185 0 143 0 327	0 0 0 0 0 0 0 0 92 0 28				28 74 12 0 0 20 846 0 206 24 0	0 S S 500 1321 214 0 0 481 2214 0 284 54 0 0 5067	444 3065 297 0 0 93 428 0 141 27 0	0 0 0 20 68 0 0	LOS: 0 0 0 0 481 178 0 0 0 0 659	0 0 0 0 0 93 34 0 0	N LOSS GAI 9 161 14: 0 0 0 0 0 0 0 0 0 0 0 0 0 20 481 93 0 0 0 0 540 1802 34: 0 0 0 0 0 0 0 6134 8578 584
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 GAIN LEVEL FACTOR / MULTIPLIER	17.9 17.9 17.9 30.6 24.1 2.6 3.3 1.4 2.2	41.4 24.8 41.4 101.2 4.7 0.5 0.6 0.7 1.1 0.4	0 0 38 0 0 0 202 0 0	LOSS 0 0 678 0 0 0 529 0 0 0 0 0 1207	0 0 941 0 0 0 102 0 0 0	LC 18 3 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	OSS GAI 321 288 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 0 0 0 0 0 0 0 0 0	LOSS 0 0 0 1839 0 7 1614 0 8 0 0 0 3461	0 0 0 4266 0 0 312 0 4 0			0 0 0 0 0 0 0 134 0 65	LOSS 0 0 0 0 0 0 0 0 0 1855 0 1433 0 0 327 0.38	0 0 0 0 0 0 0 0 92 0 28				28 74 12 0 0 20 846 0 206 24 0	OSS 500 1321 214 0 481 2214 0 284 54 0 0 0	444 3065 297 0 0 93 428 0 141 27 0	0 0 0 20 68 0 0	LOS: 0 0 0 0 481 178 0 0 0 0 659	0 0 0 0 0 93 34 0 0	N LOSS GAI 9 161 14: 0 0 0 0 0 0 0 0 0 0 0 0 0 20 481 93 0 0 0 0 540 1802 34: 0 0 0 0 0 0 0 0 0 0 6134 8578
SOUTH WEST SKYLT. DOORS NET EXPOSED WALL HET 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 SUBTOTAL HT GAIN LEVEL FACTOR / MULTIPLIER AIR CHANGE HEAT LOSS	17.9 17.9 17.9 30.6 24.1 2.6 3.3 1.4 2.2	41.4 24.8 41.4 101.2 4.7 0.5 0.6 0.7 1.1 0.4	0 0 38 0 0 0 202 0 0	LOSS 0 0 678 0 0 0 529 0 0 0 0 0 1207	0 0 941 0 0 0 102 0 0 0	18 3 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	OSS GAI 321 288 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 0 0 0 0 0 0 0 0 0	LOSS 0 0 0 1839 0 7 1614 0 8 0 0 0 3461	0 0 4266 0 0 312 0 4 0 0			0 0 0 0 0 0 0 134 0 65	LOSS 0 0 0 0 0 0 0 0 0 1855 0 1433 0 0 327 0.38	0 0 0 0 0 0 0 92 0 28				28 74 12 0 0 20 846 0 206 24 0	OSS 500 1321 214 0 481 2214 0 284 54 0 0 0	444 3065 297 0 0 93 428 0 141 27 0	0 0 0 20 68 0 0	LOS: 0 0 0 0 481 178 0 0 0 0 659	0 0 0 0 0 93 34 0 0 0	N LOSS GAI 9 161 14: 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 20 481 93 0 0 0 0 540 1802 34: 0 0 0 0 0 0 0 6134 8578 8578 584 0.50 0.97
SOUTH WEST SKYLT. DOORS NET EXPOSED WALL HET 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 GAIN	17.9 17.9 17.9 30.6 24.1 2.6 3.3 1.4 2.2	41.4 24.8 41.4 101.2 4.7 0.5 0.6 0.7 1.1 0.4	0 0 38 0 0 0 202 0 0	LOSS 0 0 0 678 0 0 0 529 0 0 0 0 1207	0 0 941 0 0 0 102 0 0 0	18 3 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	OSS GAI 321 288 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	LOSS 0 0 0 1839 0 7 1614 0 8 0 0 0 3461 0 0.44 1525	0 0 4266 0 0 312 0 4 0 0			0 0 0 0 0 0 0 134 0 65	LOSS 0 0 0 0 0 0 185 0 143 0 0 327	0 0 0 0 0 0 0 92 0 28				28 74 12 0 0 20 846 0 206 24 0	OSS 500 1321 214 0 0 481 2214 0 284 54 0 0 0 65067 0.44 2232	444 3065 297 0 0 93 428 0 141 27 0	0 0 0 20 68 0 0	LOS: 0 0 0 0 481 178 0 0 0 659 0.444 290	0 0 0 0 0 93 34 0 0 0	N LOSS GAI 9 161 14: 0 0 0 0 0 0 0 0 0 0 0 0 0 20 481 93 0 0 0 0 540 1802 34: 0 0 0 0 0 0 6134 8578 8578 584 0.60 0.97 8299
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 GAIN LEVEL FACTOR / MULTIPLIER AIR CHANGE HEAT LOSS AIR CHANGE HEAT GAIN DUCT LOSS DUCT GAIN	17.9 17.9 17.9 30.6 24.1 2.6 3.3 1.4 2.2	41.4 24.8 41.4 101.2 4.7 0.5 0.6 0.7 1.1 0.4	0 0 38 0 0 0 202 0 0	LOSS 0 0 0 678 0 0 0 529 0 0 0 0 1207	0 0 941 0 0 0 102 0 0 0 0	18 3 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	OSS GAI 321 288 0 0 0 0 0 0 0 0 0 0 0 586 113 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 0 0 0 0 0 0 0 0 0	LOSS 0 0 0 1839 0 7 1614 0 8 0 0 0 3461 0 0.44 1525	0 0 0 4266 0 0 312 0 4 0 0			0 0 0 0 0 0 0 134 0 65	LOSS 0 0 0 0 0 0 185 0 143 0 0 327	0 0 0 0 0 0 0 92 0 28				28 74 12 0 0 20 846 0 206 24 0	OSS 500 1321 214 0 0 481 2214 0 284 54 0 0 0 65067 0.44 2232	444 3065 297 0 0 93 428 0 141 27 0	0 0 0 20 68 0 0	LOS: 0 0 0 0 481 178 0 0 0 659 0.444 290	0 0 0 0 0 93 34 0 0 0	N LOSS GAI 9 161 14: 0 0 0 0 0 0 0 0 0 0 0 0 0 20 481 93 0 0 0 540 1802 34: 0 0 0 0 0 0 0 0 0 6134 8578 8578 584 0.60 0.97 8299 49
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 GAIN LEVEL FACTOR / MULTIPLIER AIR CHANGE HEAT LOSS AIR CHANGE HEAT GAIN DUCT LOSS DUCT GAIN	17.9 17.9 17.9 30.6 24.1 2.6 3.3 1.4 2.2 2.2	41.4 24.8 41.4 101.2 4.7 0.5 0.6 0.7 1.1 0.4	0 0 38 0 0 0 202 0 0 0	LOSS C 0 0 678 0 0 0 529 0 0 0 0 1207 0 0.44 532	0 0 941 0 0 0 102 0 0 0 0	18 3 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	OSS GAI 321 288 321 288 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 0 0 0 0 0 0 0 0 0	LOSS 0 0 0 1839 0 7 1614 0 8 0 0 0 3461 0 0.44 1525	0 0 0 4266 0 312 0 4 0 0			0 0 0 0 0 0 0 134 0 65	LOSS 0 0 0 0 0 0 185 0 143 0 0 327	0 0 0 0 0 0 92 0 28				28 74 12 0 0 20 846 0 2206 24 0	OSS 500 1321 214 0 0 481 2214 0 284 54 0 0 0 65067 0.44 2232	444 3065 297 0 0 93 428 0 141 27 0	0 0 0 0 20 68 0 0 0	LOS: 0 0 0 0 481 178 0 0 0 659 0.444 290	0 0 0 0 0 0 93 34 0 0 0 0	N LOSS GAI 9 161 14: 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 20 481 93 0 0 0 0 540 1802 34: 0 0 0 0 0 0 0 6134 8578 8578 584 0.50 0.97 8299 49 0 0 0 0 0
SOUTH WEST SKYLT. DOORS NET EXPOSED WALL MET EXPOSED BSMT WALL ABOVE GR EXPOSED CLG NO ATTIC EXPOSED CLG EXPOSED FLOOR BASEMENT/CRAWL HEAT LOSS SLAB ON GRADE HEAT LOSS SUBTOTAL HT GAIN LEVEL FACTOR / MULTIPLIER AIR CHANGE HEAT LOSS AIR CHANGE HEAT CAIN DUCT LOSS DUCT GAIN HEAT GAIN PEOPLE	17.9 17.9 17.9 30.6 24.1 2.6 3.3 1.4 2.2 2.2	41.4 24.8 41.4 101.2 4.7 0.5 0.6 0.7 1.1 0.4	0 0 38 0 0 0 202 0 0 0 0	LOSS C 0 0 678 0 0 0 529 0 0 0 0 1207 0 0.44 532	0 0 941 0 0 0 102 0 0 0 0 1043 87	18 3 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	OSS GAI 321 284 321 284 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	LOSS 0 0 0 1839 0 7 1614 0 8 0 0 0 3461 0 0.44 1525	0 0 4266 0 0 312 0 4 4 0 0 0			0 0 0 0 0 0 0 134 0 65	LOSS 0 0 0 0 0 0 185 0 143 0 0 327	0 0 0 0 0 0 0 92 0 28 119				28 74 12 0 0 20 846 0 206 24 0	OSS 500 1321 214 0 0 481 2214 0 284 54 0 0 0 65067 0.44 2232	444 3065 297 0 0 93 428 0 141 27 0	0 0 0 0 20 68 0 0 0	LOS: 0 0 0 0 481 178 0 0 0 659 0.444 290	0 0 0 0 0 93 34 0 0 0 0	N LOSS GAI 9 161 14: 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 20 481 93 0 0 0 0 540 1802 34: 0 0 0 0 0 0 0 6134 8578 8578 584 0.50 0.97 8299 49 0 0 0 0 0

TOTAL HEAT GAIN BTUIH:

36067

TONS: 3.01

LOSS DUE TO VENTILATION LOAD BTU/H: 2354

STRUCTURAL HEAT LOSS: 45629

TOTAL COMBINED HEAT LOSS BTU/H: 47983

Makar Ofwha.



SITE NAME: LECCO RIDGE BUILDER: GREENPARK HOMES TYPE: JUNIPER 6 DATE: Dec-16 GFA: 3119 LO# 71351 furnace pressure 0.6 COOLING CFM 1131 HEATING CFM 1131 fumace filter 0.05 #AMANA AFUE = 96.0 % TOTAL HEAT LOSS 45,629 TOTAL HEAT GAIN 35.612 a/c coil pressure 0.2 AMEC960603BNA 60 INPUT (BTU/H) = 60,000 AIR FLOW RATE CFM 31.76 AIR FLOW RATE CFM 24,79 available pressure FAN SPEED OUTPUT (BTU/H) = 57,600 for s/a & r/a 0.35 LOW **RUN COUNT** 3rd 2nd 1st Bas MEDLOW DESIGN CFM = 1131 CFM @ .6 " E.S.P. S/A 0 4 10 plenum pressure s/a 0.18 r/a pressure 0.17 MEDIUM 0 max s/a dif press, loss 0.03 r/a grille press. Loss 0.02 MEDIUM HIGH All S/A diffusers 4"x10" unless noted otherwise on layout. min adjusted pressure s/a adjusted pressure r/a 0.15 HIGH 1131 TEMPERATURE RISE 47 ۰F All S/A runs 5"Ø unless noted otherwise on layout. RUN# 10 11 13 14 16 17 18 19 20 21 22 23 MBR ROOM NAME ENS WIC BED-2 BED-3 BATH ENS-2 BED-4 MBR OFF LV/DN KT/FM KT/FM KT/FM LAUN MUD FOY FOY BAS BAS BAS BAS RM LOSS MBH. 1.31 1.40 0.61 1.16 2.59 1.17 1.31 1.79 0.64 1.74 1.31 1.66 1.66 1.66 0.50 0.95 3.65 3.65 4.22 4.22 4.22 4.22 CFM PER RUN HEAT 33 35 15 29 64 29 44 33 16 43 32 41 41 41 12 24 90 90 105 105 105 105 1.88 RM GAIN MBH. 1.80 1.58 0.56 4.00 1.72 2.04 1.88 1.05 2.08 1.17 2.35 2.35 2.35 0.85 0.79 3.17 3.17 0.21 0.21 0.21 0.21 CFM PER RUN COOLING 60 57 18 50 127 55 65 60 33 66 37 75 75 75 27 25 101 101 7 7 7 ADJUSTED PRESSURE 0.17 0,17 0.17 0.17 0.15 0.17 0.17 0.17 0.17 0.17 0.17 0.17 0.17 0.17 0.17 0.17 0.16 0.16 0.16 0.16 0.16 0.16 ACTUAL DUCT LGH. 50 52 41 44 42 52 53 34 20 35 45 28 34 38 24 29 29 32 23 14 25 EQUIVALENT LENGTH 120 180 140 160 150 170 180 180 190 120 120 120 150 90 160 110 110 120 140 130 100 110 TOTAL EFFECTIVE LENGTH 161 230 184 202 202 222 233 214 210 128 155 165 184 118 198 134 139 149 172 153 114 135 ADJUSTED PRESSURE 0.11 0.07 0.09 0.09 0.08 0.08 0.07 80.0 80.0 0.13 0.11 0.1 0.15 0.09 0.09 0.13 0.12 0.11 0.09 0.11 0.14 0.12 ROUND DUCT SIZE 6 5 5 5 4 5 5 5 5 6 6 HEATING VELOCITY (ft/min) 242 257 172 333 326 213 323 242 184 316 367 301 301 301 138 275 661 661 535 535 535 535 COOLING VELOCITY (ft/min) 441 419 207 574 648 404 477 379 424 441 485 551 551 551 310 287 742 742 36 36 36 36 **OUTLET GRILL SIZE** 3X10 3X10 3X10 3X10 4X10 3X10 4X10 4X10 4X10 4X10 TRUNK C В Α Α

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

RECEIVED TOWN OF MILTON MAR 29, 2017 JUNIPER 6 BUILDING DIVISION

SUPPLY AIR TRUNK SIZE											************************						RETURN A	AIR TRUN	K SIZE					
	TRUNK	STATIC	ROUND	RECT			VELOCITY			TRUNK	STATIC	ROUND	RECT			VELOCITY	•	TRUNK	STATIC	ROUND	RECT			VELOCITY
	CFM	PRESS.	DUCT	DUCT			(ft/min)			CFM	PRESS.	DUCT	DUCT			(ft/min)		CFM	PRESS.	DUCT	DUCT			(ft/min)
TRUNK A		0.07	10.6	14	X	8	558		TRUNK G	0	0.00	0	0	X	8	0	TRUNKO	0	0.06	0	0	х	8	0
TRUNK B		0.07	12.8	20	X	8	644		trunk h	0	0.00	0	0	X	8	0	TRUNK P	0	0.06	0	0	х	8	0
TRUNK C		0.07	10.4	12	X	8	624		TRUNK I	0	0.00	0	0	X	8	0	TRUNK Q	0	0.06	0	0	X	8	0
TRUNK D	•	0.00	0	0	X	8	0		TRUNK J	0	0.00	0	0	X	8	0	TRUNK R	0	0.06	0	0	х	8	0
TRUNK E	0	0.00	0	0	X	8	0		trunk k	0	0.00	0	0	X	8	0	TRUNK S	0	0.06	0	0	Х	8	0
TRUNK F	0	0.00	00	00	Х	88	0		TRUNK L	0	0.00	0	0	X	8	0	TRUNK T	0	0.06	0	0	X	8	0
																	TRUNK U	0	0.06	0	0	X	8	0
P																	TRUNK V	0	0.06	0	0	X	8	0
RETURN AIR #	1	2	3	4	5	6										BR	TRUNK W	0	0.06	0	0	X	8	0
-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		TRUNK X	976	0.06	14.9	26	X	8	676
AIR VOLUME	150	150	140	85	155	260	0	0	0	0	0	0	0	0	0	191	TRUNKY	485	0.06	11.5	16	X	8	546
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	0	0.06	0	0	X	8	0
ACTUAL DUCT LGH.	36	46	55	57	29	30	1	1	1	1	1	1	1	1	1	16	DROP	1131	0.06	15.8	24	х	10	679
EQUIVALENT LENGTH	145	145	145	185	150	170	0	0	0	0	0	0	0	0	0	185								
TOTAL EFFECTIVE LH	181	191	200	242	179	200	1	1	1	1	1	1	1	1	1	201								
ADJUSTED PRESSURE	0.08	0.08	0.07	0.06	0.08	0.07	14.80	14.80	14.80	14.80	14.80	14.80	14.80	14.80	14.80	0.07	i							
ROUND DUCT SIZE	6.9	6.9	6.9	6	7	8.8	0	0	0	0	0	0	0	0	0	7.8	1							
INLET GRILL SIZE	8	8	8	8	8	8	0	0	0	0	0	0	0	0	0	8								
	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х								
INLET GRILL SIZE	14	14	14	14	14	30	0	0	0	0	0	0	0	0	0	24	l							



TYPE: SITE NAME:

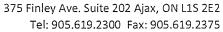
JUNIPER 6

LECCO RIDGE

71351

#### RESIDENTIAL MECHANICAL VENTILATION DESIGN SUMMARY

COMBUSTION APPLIANCES	9.32.3.1(1)	SUPPLEMENTAL VENTILATI	ON CAPACITY		9.32.3.5.					
a) V Direct vent (sealed combustion) only		Total Ventilation Capacity	_	190.8	_ cfm					
b) Positive venting induced draft (except fireplaces)		Less Principal Ventil. Capacity	_	86	_ cfm					
c) Natural draft, B-vent or induced draft gas fireplace		Required Supplemental Capaci	Required Supplemental Capacity 104.8							
d) Solid Fuel (including fireplaces)										
e) No Combustion Appliances		PRINCIPAL EXHAUST FAN C	APACITY							
		Model: VA	NEE 40H+	Location:	BSMT					
HEATING SYSTEM		86.0 cfm	3.0 sones		HVI Approved					
Forced Air Non Forced Air		PRINCIPAL EXHAUST HEAT	LOSS CALCULATION		% LOSS					
Electric Space Heat		86.0 CFM X	72 F X	FACTOR 1.08	% LOSS X 0.35					
Electric Space neat		SUPPLEMENTAL FANS		NUTONE						
HOUSE TYPE	0.00.4(0)	Location	Model	cfm	HVI Sones					
HOUSE THE	9.32.1(2)	ENS BATH	QTXEN050C QTXEN050C	50 50	✓ 0.3 ✓ 0.3					
I Type a) or b) appliance only, no solid fuel		ENS-2	QTXEN050C	50	✓ 0.3					
II Type I except with solid fuel (including fireplaces)										
		HEAT RECOVERY VENTILAT	OR		9.32.3.11.					
III Any Type c) appliance			VANEE 40H+							
IV Type I, or II with electric space heat		86	cfm high	37	. cfm low					
Other: Type I, II or IV no forced air			ensible Efficiency 2 deg F ( 0 deg C)		✓ HVI Approved					
SYSTEM DESIGN OPTIONS	O.N.H.W.P.	LOCATION OF INSTALLATION	V	RE	CEIVED					
		Lot:		TOWN	OF MILTON					
1 Exhaust only/Forced Air System		Township	F	•	R 29, 2017					
2 HRV with Ducting/Forced Air System			·	- JU	INIPER 6					
3 HRV Simplified/connected to forced air system		Address	70 Marin 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 1971 - 197	BUILDI	NG DIVISION					
4 HRV with Ducting/non forced air system		Roll#			OF MILTON					
Part 6 Design		BUILDER: Gi	MILTON PLANNING		EVELOPMENT PER 6 MODEL					
		Name:	BUILDING: REVI	EWED						
TOTAL VENTILATION CAPACITY	9.32.3.3(1)	Address:	SCOTT SHERRII	FFS	APR 7, 2017 DATE					
Basement + Master Bedroom 2 @ 21.2 cfm 42.4	cfm	City:	Neither the issuance of inspections by the Tow		carrying out of					
Other Bedrooms 3 @ 10.6 cfm 31.8	cfm		full responsibility for cou the Ontario Building Co	mpliance with de Act and th	the provisions of e Ontario Building					
		Telephone #:	Code, both as amended statutes and regulations	s of the Provin	nce on Ontario,					
Kitchen & Bathrooms5 @ 10.6 cfm53	cfm	INSTALLING CONTRACTOR	By-laws of the Region of	of Halton and	Town of Milton					
Other Rooms6 @ 10.6 cfm63.6_	cfm	Name:								
Table 9.32.3.A. TOTAL 190.8	cfm	Address:								
		City:								
PRINCIPAL VENTILATION CAPACITY REQUIRED	9.32.3.4.(1)	Telephone #:		ax #:						
1 Bedroom 31.8 cfm			F	ax #.						
2 Bedroom 47.7 cfm		DESIGNER CERTIFICATION I hereby certify that this ventilation	•	gned						
3 Bedroom 63.6 cfm		in accordance with the Ontario E Name: HV	Building Code. AC Designs Ltd.							
4 Bedroom 79.5 cfm		Signature:	Michael	Offende						
5 Bedroom 95.4 cfm		HRAI#		001820						
More than 5 - Part 6 TOTAL 79.5 cfm		Date:	Dec	cember-16						
I REVIEW AND TAKE RESPONIBILITY FOR THE DESIGN WORK AND AM QUAL INDIVIDUAL BCIN: 19669 MICHAEL O'ROI Michael.		ROPRIATE CATEGORY AS AN "OTHER DESI	GNER" UNDER DIVISION C. 3.2	2.5 OF THE BUILD	ING CODE.					



Web: www.hvacdesigns.ca E-mail: info@hvacdesigns.ca



### **HEAT LOSS AND GAIN SUMMARY SHEET**

		IILAIL	JJJ KIND UKIN	I SOMMAN SHEET	
MODEL:	JUNIPER 6			BUILDER: GREENPARK HOMES	
SFQT:	3119	LO#	71351	SITE: LECCO RIDGE	
DESIGN A	SSUMPTIONS				
HEATING			°F	COOLING	°F
	R DESIGN TEMP.		0	OUTDOOR DESIGN TEMP.	86
INDOOR E	DESIGN TEMP.		72	INDOOR DESIGN TEMP. (MAX 75°F)	72
BUILDING	DATA				
ATTACHM	1ENT:	С	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 EXF	POSURE:	S	HELTERED	ASSUMED (Y/N):	Υ
HOUSE VO	OLUME (ft³):		41790.0	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	TION CONFIGURATION		BCIN_1	DEPTH BELOW GRADE:	6.5 ft
LENGTH: 52.0 ft W		WIDTH:	38.0 ft	EXPOSED PERIMETER:	180.0 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 (F	R)-Value	-
Edge of Below Grade Slab ≤ 600 mm Below Grade Minimum RSI (R)-Valu	ıe	10
Heated Slab or Slab ≤ 600 mm below grade Minimum RSI (R)-Value	DECEIVED	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	0.95	
HRV Minimum Efficiency	BUILDING DIVISION	65%
Domestic Hot Water Heater Minimum EF		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	conductivity: dry dand, loam, clay
Water Table:	Normal (	(7-10 m, 23-33 ft)
F	oundatio	n Dimensions
Floor Length (m):	15.8	
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):	0.8	
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	ation Loads
Heating Load (Watts):		1797

**TYPE:** JUNIPER 6 **LO#** 71351

RECEIVED TOWN OF MILTON MAR 29, 2017 JUNIPER 6 BUILDING DIVISION



### Air Infiltration Residential Load Calculator

Supplemental tool for CAN/CSA-F280

Weather Statio	n Des	cript	ion		THE STATE OF THE SECOND							
Province:	Ontario											
Region:	Milton											
Weather Station Location:	Open flat terrain, grass											
Anemometer height (m):	10											
Local Sh	ieldin	g										
Building Site:	Subui	ban, fo	orest									
Walls:	Heavy	Y										
Flue:	Heav	/										
Highest Ceiling Height (m):	6.71											
Building Configuration												
Type:	Detac	hed										
Number of Stories:	Two											
Foundation:	Full											
House Volume (m³):	1183.	4										
Air Leakage/	Venti	ation	1									
Air Tightness Type:	Prese	nt (196	61-) (3.	57 ACI	<del>-</del> 1)							
Custom BDT Data:	ELA @	9 10 Pa	3.		1577.5 cm <sup>2</sup>							
	3.57			ACH @ 50 Pa								
Mechanical Ventilation (L/s):	To	tal Sup	ply		Total Exhaust							
		40.6			40.6							
Flue	Size											
Flue #:	#1	#2	#3	#4								
Diameter (mm):	0	0	0	0								
Natural Infilt	ration	Rate	:S									
Heating Air Leakage Rate (ACH/H):		O	.30									
Cooling Air Leakage Rate (ACH/H):												

**TYPE:** JUNIPER 6 **LO#** 71351

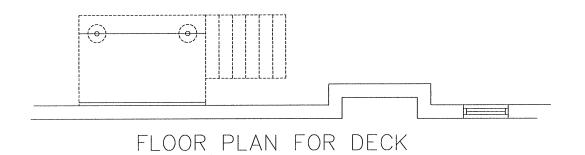
RECEIVED TOWN OF MILTON MAR 29, 2017 JUNIPER 6 BUILDING DIVISION

# RESIDENTIAL HVAC (New Construction) 1) All HVAC work shall comply with Part 6 and 9.32/9.33. 4) All supply/return air ducts located in unconditioned spaces shall be seale

- 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)

CONDITION

- unconditioned spaces shall be sealed to a SMACNA Class 'A' seal level and supply air ducts in conditioned spaces to shall be sealed to a SMACNA Class "C' seal level
- 5) Furnaces to be equipped with brushless DC motor (ECM) and controlled with a programmable thermostat (4 times periods/day, 2 day types/week)
- 6) HRVs to be installed in accordance with 9.32.3.11. and manufacturers' requirements (intake/exhaust separation, distance from R/A drop)
- 7) Bathrooms and washrooms to have a min. 50 CFM exhaust fan ducted directly outdoors with ductwork sized in accordance with Table 9.32.3.5.
- 8) Range hoods to exhaust directly to outdoors with non-combustible ducting
- Changes to the HVAC equipment or duct layout requires a revision permit to be applied for and approved prior to booking any HVAC inspections





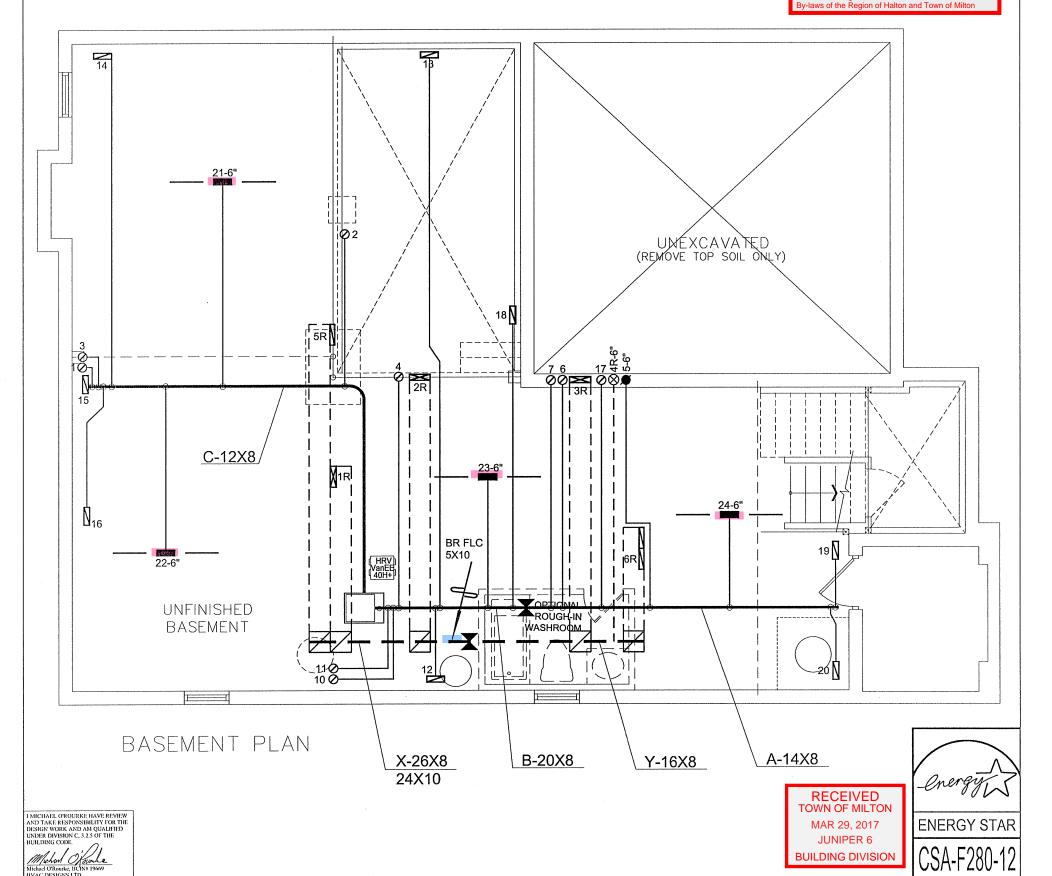
TOWN OF MILTON PLANNING AND DEVELOPMENT JUNIPER 6 MODEL

BUILDING: REVIEWED

APR 7, 2017

SCOTT SHERRIFFS
PLANS EXAMINER

Neither the issuance of a permit nor carrying out of inspections by the Town of Mitton 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,



**HVAC LEGEND** 2. DESCRIPTION SYMBOL SYMBOL DESCRIPTION DESCRIPTION 14"x8" RETURN AIR GRILLE FLOOR SUPPLY AIR GRILLE RETURN AIR STACK ABOVE 6" SUPPLY AIR BOOT ABOVE 30"x8" RETURN AIR GRILLE FLOOR SUPPLY AIR GRILLE 6" BOOT Description Date 0 SUPPLY AIR STACK FROM 2nd FLOOR  $\propto$ RETURN AIR STACK 2nd FLOOR No. FRA- FLOOR RETURN AIR GRILLE REDUCER SUPPLY AIR BOOT ABOVE 6" SUPPLY AIR STACK 2nd FLOOR REVISIONS

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GREENPARK HOMES

Project Name LECCO RIDGE MILTON, ONTARIO HVA DESIGNS LTD.

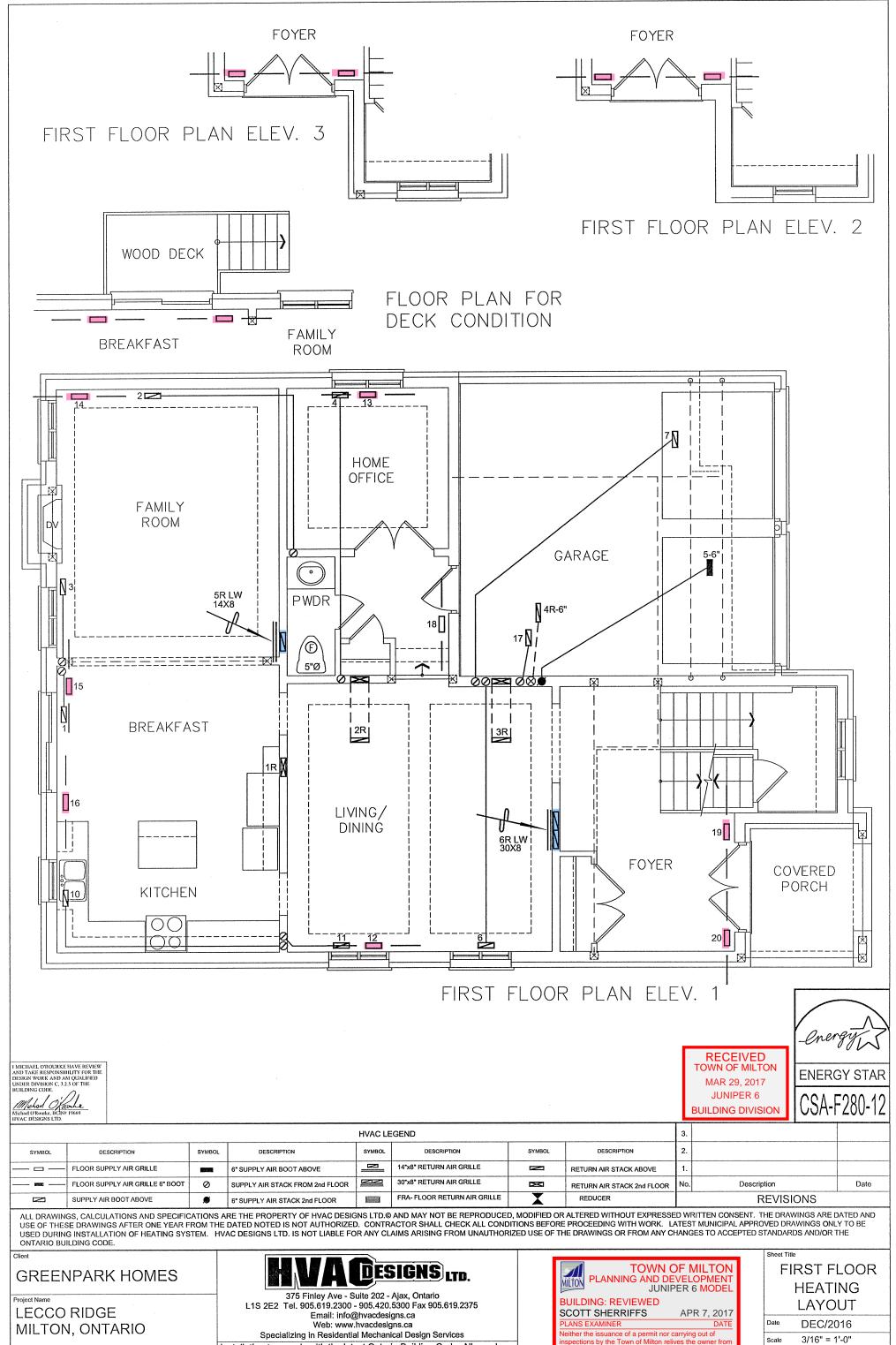
375 Finley Ave - Suite 202 - Ajax, Ontario
L1S 2E2 Tel. 905.619.2300 - 905.420.5300 Fax 905.619.2375
Email: info@hvacdesigns.ca
Web: www.hvacdesigns.ca

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.

	HEAT LO	SS 47983	BTU/H	# OF RUNS	S/A	R/A	FANS	Sheet Title			
	UNIT DATA			3RD FLOOR				BASEMENT			
	MAKE	AMANA	2ND FLOOR	10	4	4	Н	EATING			
	MODEL AMEC	0960603BN	1ST FLOOR	8	2	2	L	AYOUT			
	INPUT	60 MBTU/		BASEMENT	4	1	0	Date [	DEC/2016		
	OUTPUT		MBTU/H	ALL S/A DIFFUS	SERS	4 "x10	,	Scale 3	3/16" = 1'-0"		
		57.6		UNLESS NOTE				BCIN# 19669			
e	COOLING	3.0	TONS	ON LAYOUT. AI				BCIN# 19009			
_	FAN SPEED	1131	cfm @ 0.5" w.c.	ON LAYOUT. U DOORS 1" min.	NDER	CUT	JE	LO#	71351		

JUNIPER 6

3119 sqft



**JUNIPER 6** 

3119 sqft

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.

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BCIN# 19669

71351 LO#

