

	LECCO															DATE	; Dec-16	3			WINTE	R NA1	URAL A	IR CHANGE RATE 0.30	3 HEAT LOSS	ΔT °F	. 72			CSA-F	280-1
BUILDER:	GREEN	IPARK	HOME	S			TYP	E: JUNII	PER 3				GFA: 2	2765		LO#	71348			s	UMME	R NAT	URAL A	AIR CHANGE RATE 0.10	4 HEAT GAIN	ΔT °F	. 14		E	ENERGY	STA
ROOM USE	:			MBR			ENS				1	BED-2		E	BED-3		BED-4			BATH			ENS-2								
EXP. WALL	.			16			31					23	- 1		43		32			10			16								
CLG. HT.	4			9			9					10			10		. 9			9			9								
	FACTO	RS																													
GRS.WALL AREA	LOSS	GAIN		150			279					230	- 1		430		288			90		1	144		- 41	-	$\Gamma O M$	/N (	)F M	11LT(	NC
GLAZING	4			LOSS	GAIN	ı	LOSS GAI	N				Loss G	SAIN	ı	LOSS GAII	اا	LOSS	GAIN	l	LOSS	GAIN		LOSS	GAIN	PLAN						
NORTH	1 17.9	15.8	0	0	0		411 364				0	0	0	0	0 0	ا ا	0	0	0	0	0	0	0	0	MILTON PLAIN	INIIN					
EAST		41.4	ō	ō	ō	0	0 0				45		1864	45	803 186	1 -	Ô	o	0	0	Ö	13	232	538			J	UINIF	EKJ	MOE	JEL
SOUTH	17.9	24.8	ō	Ö	ŏ	ō	0 0				0	0	0	-	0 0	٦ ,	0	0	"	125	173	13	0	0	BUILDING: F	REVI	EWE	D			
WEST		41.4	36	-	1491			,				0	١			1 *	•	-	\ <u>'</u>	0		١	-		SCOTT SHE	RRIE	FS		ΔPF	R 7, 2	∩17
								١,			0	•	٠ ١	0		16	286	663		•	0	0	0	0			1 3		ΛI I		
SKYLT.	1	101.2	0	0	0	0	0 0	1			0	0	0	0	0 0	0	0	0	0	0	0	0	0	0	PLANS EXAMINE						ATE
DOORS		4.7	0	0 '	0	0	0 0	1			0	0	0	0	0 0	0	0	0	0	0	0	0	0	0	Neither the issuar						
NET EXPOSED WALL	2.6	0,5	114	299	58		628 12	1			185	484	94	385	1007 195	272	712	138	83	217	42	131	343	66	inspections by the						
NET EXPOSED BSMT WALL ABOVE GR	1	0.6	0	0	0	0	0 0	1			0	0	0	0	0 0	0	0	0	0	0	0	0	0	0	full responsibility f						
EXPOSED CLG	1.4	0.7	336	463	230	200	276 137	7			196	270	134	193	266 132	231	318	158	162	223	111	60	83	41	the Ontario Buildin						
NO ATTIC EXPOSED CLG	2.2	1.1	0	0	0	20	45 22	:			70	157	78	95	213 106	0	0	0	0	0	0	0	0	0	Code, both as am						
EXPOSED FLOOR	2.2	0.4	0	0	0	0	0 0	1			266	583	113	0	0 0	0	0	0	0	0	0	60	132	25	statutes and regul By-laws of the Re						
BASEMENT/CRAWL HEAT LOSS	il.			0			0	1				0			0		ō			ō	-	"	0		by-laws of the Re	gion 0	i i idilol	anu	JWII U	. wiiitOff	
SLAB ON GRADE HEAT LOSS	.l			0			0	1				0	J		0		0			0			0			1					
SUBTOTAL HT LOSS				1405			1645	1				2298			2290		1316		1	565			789			1		RF	CEI	<b>VED</b>	
SUB TOTAL HT GAIN	1				1779		130	اء					2283		2290	,	1310	959		000	326		102	674		1	T			VILTO	NC
LEVEL FACTOR / MULTIPLIER			0.00		1113	0.20		۳			0.00		- 1	0 00			0.00	202		0.00	320		0.55	671		1	''	OVVIV	01 1	VIILIC	J14
AIR CHANGE HEAT LOSS	1		0.20	0.29 406		0.20		1			0.20			0.20		0.20	0.29		0.20			0.20	0.29			1		MA	R 29,	2017	
	1			406			475					664	- 1		661		380			163			228								
AIR CHANGE HEAT GAIN					137		101	1					176		177	1		74			25			52	i	1		JU	NIPE	:K 3	
DUCTLOSS		- 1		0			0	ł				296			0		0			0			102			l	RI	ום ווו	NG F	IVISI	ON
DUCT GAIN		- 1			0		0						334		0	1		0			0			72			В	וטבות	IVO L	71 7 101	OIV
HEAT GAIN PEOPLE	240	- 1	2		480	0	0				1		240	1	240	1		240	0		0	0		0							
HEAT GAIN APPLIANCES/LIGHTS		1			637		637	7					637		637	1		637			0			0							
TOTAL HT LOSS BTU/H	d	ı		1811			2120					3258			2951	1	1696			729			1119								
TOTAL HT GAIN x 1.3 BTU/H		- 1			3943		265	9				4	4770		435	3		2482			457			1034							
ROOM USE	1			LV/DN					KT/FM					ı	LAUN	1	W/R			FOY			PANT	1			WOD			BAS	
EXP. WALL	l	- 1		48				1	51				- 1		35		7			18			14				58			168	
CLG. HT.		ı		10				1	10				- 1		12		10			11			10			İ	10			10	
1	FACTO	- 1																													
GRS.WALL AREA	Loss			400	- 1				510						420		70			198			140				551			1310	
		GAIN		480	- 1			1	310	- 1											GAIN				3		LOSS	GAIN		LOSS	GAII
GLAZING		GAIN		LOSS	GAIN				LOSS	GAIN					LOSS GAI	u l	LOSS	GAIN		LOSS	GMIN		LOSS	GAIN	1				10	179	158
GLAZING NORTH		15.8	20	LOSS	GAIN 317					GAIN 0				ι	LOSS GAI		LOSS	GAIN 0	0	0	0	0		GAIN 0		8		127		179	
NORTH	17.9	15.8		LOSS 357	317			0	LOSS 0	0				ι	LOSS GAII 161 143	0	LOSS 0	0		0	0		0	0		8	143	127 0	0	0	
	17.9 17.9		20 20 48	LOSS 357 357				1 *	LOSS					ι	LOSS GAII 161 143 0 0		LOSS 0 0	0 0				0	0 0	0		8 0		127 0 0	0	0	0
NORTH EAST SOUTH	17.9 17.9 17.9	15.8 41.4 24.8	20 48	LOSS 357 357 857	317 828 1189			0	0 0 0	0 0 0				9 0 0	LOSS GAII 161 143 0 0 0 0	0 0 7	0 0 0 125	0 0 173	0 0 0	0 0 0	0 0 0	0	0 0 0	0 0 0		8 0 0	143 0 0	0 0	0	0	0
NORTH EAST SOUTH WEST	17.9 17.9 17.9 17.9	15.8 41.4 24.8 41.4	20 48 0	LOSS 357 357 857 0	317 828 1189 0			0 0 102	0 0 0 0 1821	0 0 0 4225				9 0 0 0	LOSS GAII 161 143 0 0 0 0	0 0 7 0	LOSS 0 0 125 0	0 0 173 0	0 0 0	0 0 0	0 0 0 0	0 0 7	0 0 0 125	0 0 0 290		8 0 0 0 0 0	143 0 0 0	0 0 0	0	0 0 0	0 0 0
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	20 48 0 0	357 357 357 857 0	317 828 1189 0 0			0 0 102 0	0 0 0 0 1821 0	0 0 0 4225 0				9 0 0 0	LOSS GAII 161 143 0 0 0 0 0 0	0 0 7 0	0 0 125 0	0 0 173 0	0 0 0 0	0 0 0 0	0 0 0 0	0 0 7 0	0 0 0 125 0	0 0 0 290 0		0 0 0	143 0 0 0 0	0 0 0	0 0	0 0 0	0 0 0
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	20 48 0 0	LOSS 357 357 857 0 0	317 828 1189 0 0			0 0 102 0	0 0 0 0 1821 0	0 0 0 4225 0 0				9 0 0 0 0 20	LOSS GAII 161 143 0 0 0 0 0 0 0 0 481 93	0 0 7 0 0	0 0 125 0 0	0 0 173 0 0	0 0 0 0 0 45	0 0 0 0 0 0	0 0 0 0 0 209	0 0 7 0	0 0 0 125 0	0 0 0 290 0		0 0 0 0 0	143 0 0 0 0 0	0 0 0 0	0 0 0 20	0 0 0 0 481	0 0 0 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	15.8 41.4 24.8 41.4 101.2 4.7 0.5	20 48 0 0 0 392	LOSS 357 357 857 0 0 0	317 828 1189 0 0 0 198			0 0 102 0 0 408	0 0 0 1821 0 0	0 0 4225 0 0 206				9 0 0 0 0 0 20 391	LOSS GAII 161 143 0 0 0 0 0 0 0 0 481 93 1023 198	0 0 7 0 0 0 63	LOSS 0 0 125 0 0 0	0 0 173 0 0 0 32	0 0 0 0 0 45 153	0 0 0 0 0 1082 400	0 0 0 0 0 209 77	0 0 7 0 0 133	0 0 0 125 0 0 348	0 0 0 290 0 0 0		0 0 0 0 0	143 0 0 0 0 0	0 0 0 0	0 0 0 20 0	0 0 0 0 481	0 0 0 0 93 0
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	15.8 41.4 24.8 41.4 101.2 4.7 0.5 0.6	20 48 0 0 0 392 0	LOSS 357 357 857 0 0 0 1026	317 828 1189 0 0 0 198			0 0 102 0 0 408	LOSS 0 0 0 1821 0 0 1068	0 0 0 4225 0 0 206				9 0 0 0 0 0 20 391	LOSS GAII 161 143 0 0 0 0 0 0 0 0 481 93 1023 198	0 7 0 0 0 63	LOSS 0 0 125 0 0 0 165 0	0 0 173 0 0 0 32	0 0 0 0 0 45 153	0 0 0 0 0 1082 400	0 0 0 0 0 209 77 0	0 0 7 0 0 133	0 0 0 125 0 0 348	0 0 0 290 0 0 67		0 0 0 0 0	143 0 0 0 0 0 0 0	0 0 0 0 0 0 219	0 0 0 20 0 286	0 0 0 0 481 0 955	0 0 0 0 93 0 185
NORTH EAST SOUTH WEST SKYLT. DOORS NET EXPOSED WALL NET EXPOSED BAMT WALL ABOVE GR 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	20 48 0 0 0 392 0	LOSS 357 357 857 0 0 0 1026	317 828 1189 0 0 0 198 0			0 0 102 0 0 408 0	LOSS 0 0 0 1821 0 0 1068 0	0 0 0 4225 0 0 206 0				9 0 0 0 0 20 391 0	LOSS GAII 161 143 0 0 0 0 0 0 0 0 481 93 1023 198 0 0 0 0	0 0 7 0 0 0 63 0	LOSS 0 0 125 0 0 0 165 0	0 0 173 0 0 0 32 0	0 0 0 0 0 45 153 0	0 0 0 0 0 1082 400 0	0 0 0 0 0 209 77 0	0 0 7 0 0 133 0	0 0 0 125 0 0 348 0	0 0 290 0 0 67 0		0 0 0 0 0	143 0 0 0 0 0 0 0 1135	0 0 0 0 0 0 219	0 0 0 20 0 286	0 0 0 0 481 0 955	0 0 0 93 0 185
NORTH EAST SOUTH WEST SKYLT. DOORS NET EXPOSED WALL NET EXPOSED BSMT WALL ABOVE GR 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	20 48 0 0 0 392 0 0	LOSS 357 357 857 0 0 0 1026 0	317 828 1189 0 0 0 198 0			0 0 102 0 0 408 0	LOSS 0 0 0 1821 0 0 1068 0 0	0 0 4225 0 0 206 0				9 0 0 0 0 20 391 0	LOSS GAII 161 143 0 0 0 0 0 0 0 0 481 93 1023 198 0 0 0 0	0 0 7 0 0 0 63 0	LOSS 0 0 125 0 0 0 165 0 0 0 0	0 0 173 0 0 0 32 0 0	0 0 0 0 0 45 153 0	0 0 0 0 0 1082 400 0	0 0 0 0 0 209 77 0 0	0 0 7 0 0 133 0	0 0 0 125 0 0 348 0	0 0 290 0 0 0 67 0		0 0 0 0 0 0 0 340 0	143 0 0 0 0 0 0 1135 0	0 0 0 0 0 0 219 0	0 0 0 20 0 286 0	0 0 0 481 0 955 0	0 0 0 93 0 185 0
NORTH EAST SOUTH WEST SKYLT. DOORS NET EXPOSED WALL NET EXPOSED BSMT WALL ABOVE GR 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	15.8 41.4 24.8 41.4 101.2 4.7 0.5 0.6 0.7	20 48 0 0 0 392 0	LOSS 357 357 857 0 0 0 1026	317 828 1189 0 0 0 198 0			0 0 102 0 0 408 0	LOSS 0 0 0 1821 0 0 1068 0	0 0 0 4225 0 0 206 0				9 0 0 0 0 20 391 0	LOSS GAII 161 143 0 0 0 0 0 0 0 0 481 93 1023 198 0 0 0 0	0 0 7 0 0 0 63 0	LOSS 0 0 125 0 0 0 165 0	0 0 173 0 0 0 32 0	0 0 0 0 0 45 153 0	0 0 0 0 0 1082 400 0	0 0 0 0 0 209 77 0	0 0 7 0 0 133 0	0 0 125 0 0 348 0 0	0 0 290 0 0 67 0		0 0 0 0 0	143 0 0 0 0 0 0 0 1135	0 0 0 0 0 0 219	0 0 0 20 0 286	0 0 0 0 481 0 955 0	0 0 0 93 0 185
NORTH EAST SOUTH WEST SKYLT. DOORS NET EXPOSED WALL NET EXPOSED BMT WALL ABOVE GR EXPOSED CLG NO ATTIC EXPOSED CLG 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	20 48 0 0 0 392 0 0	LOSS 357 357 857 0 0 0 1026 0	317 828 1189 0 0 0 198 0			0 0 102 0 0 408 0	LOSS 0 0 0 1821 0 0 1068 0 0	0 0 4225 0 0 206 0				9 0 0 0 0 20 391 0	LOSS GAII 161 143 0 0 0 0 0 0 0 0 481 93 1023 198 0 0 0 0	0 0 7 0 0 0 63 0	LOSS 0 0 125 0 0 0 165 0 0 0 0	0 0 173 0 0 0 32 0 0	0 0 0 0 0 45 153 0	0 0 0 0 0 1082 400 0	0 0 0 0 0 209 77 0 0	0 0 7 0 0 133 0	0 0 0 125 0 0 348 0	0 0 290 0 0 0 67 0		0 0 0 0 0 0 0 340 0	143 0 0 0 0 0 0 1135 0	0 0 0 0 0 0 219 0	0 0 0 20 0 286 0	0 0 0 481 0 955 0	0 0 0 93 0 185 0
NORTH EAST SOUTH WEST SKYLT. DOORS NET EXPOSED WALL NET EXPOSED CLG NO ATTIC EXPOSED CLG EXPOSED FLOOR BASEMENTICRAWL 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	20 48 0 0 0 392 0 0	LOSS 357 357 857 0 0 0 1026 0 0	317 828 1189 0 0 0 198 0			0 0 102 0 0 408 0	LOSS 0 0 0 1821 0 0 1068 0 0 22	0 0 4225 0 0 206 0				9 0 0 0 0 20 391 0	LOSS GAII 161 143 0 0 0 0 0 0 0 0 481 93 1023 198 0 0 0 0	0 0 7 0 0 0 63 0	LOSS 0 0 125 0 0 165 0 0 0	0 0 173 0 0 0 32 0 0	0 0 0 0 0 45 153 0	0 0 0 0 0 1082 400 0 0	0 0 0 0 0 209 77 0 0	0 0 7 0 0 133 0	0 0 125 0 0 348 0 0	0 0 290 0 0 0 67 0		0 0 0 0 0 0 0 340 0	143 0 0 0 0 0 0 1135 0	0 0 0 0 0 0 219 0	0 0 0 20 0 286 0	0 0 0 0 481 0 955 0	0 0 0 93 0 185 0
NORTH EAST SOUTH WEST SKYLT. DOORS NET EXPOSED WALL NET EXPOSED BMT WALL ABOVE GR EXPOSED CLG NO ATTIC EXPOSED CLG 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	20 48 0 0 0 392 0 0	LOSS 357 357 857 0 0 0 1026 0 0 0	317 828 1189 0 0 0 198 0			0 0 102 0 0 408 0	LOSS 0 0 1821 0 1068 0 0 22 0	0 0 4225 0 0 206 0				9 0 0 0 0 20 391 0 0	LOSS GAII 161 143 0 0 0 0 0 0 0 0 481 93 1023 198 0 0 0 0 0 0	0 0 7 0 0 0 63 0	LOSS 0 0 125 0 0 0 165 0 0 0 0 0 0	0 0 173 0 0 0 32 0 0	0 0 0 0 0 45 153 0	0 0 0 0 0 1082 400 0 0 0	0 0 0 0 0 209 77 0 0	0 0 7 0 0 133 0	0 0 0 125 0 0 348 0 0 0	0 0 290 0 0 0 67 0		0 0 0 0 0 0 0 340 0	143 0 0 0 0 0 0 1135 0	0 0 0 0 0 0 219 0	0 0 0 20 0 286 0	0 0 0 0 481 0 955 0	0 0 0 93 0 185 0
NORTH EAST SOUTH WEST SKYLT. DOORS NET EXPOSED WALL NET EXPOSED CLG EXPOSED CLG NO ATTIC EXPOSED CLG EXPOSED FLOOR BASEMENTICRAWL 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	20 48 0 0 0 392 0 0	LOSS 357 357 857 0 0 1026 0 0 0 0 0	317 828 1189 0 0 0 198 0			0 0 102 0 0 408 0	LOSS 0 0 1821 0 1068 0 0 22 0 0 0 2911	0 0 4225 0 0 206 0				9 0 0 0 0 20 391 0 0	LOSS GAII 161 143 0 0 0 0 0 0 0 0 481 93 1023 198 0 0 0 0 0 0 0 0 0 0	0 0 7 0 0 0 63 0	LOSS 0 0 125 0 0 0 165 0 0 0 0 0 0 0 0	0 0 173 0 0 0 32 0 0	0 0 0 0 0 45 153 0	0 0 0 0 0 1082 400 0 0 0	0 0 0 0 0 209 77 0 0	0 0 7 0 0 133 0	0 0 0 125 0 0 348 0 0 0	0 0 290 0 0 0 67 0		0 0 0 0 0 0 0 340 0	143 0 0 0 0 0 0 1135 0 0	0 0 0 0 0 0 219 0	0 0 0 20 0 286 0	0 0 0 481 0 955 0 0 5359	0 0 0 93 0 185 0
NORTH EAST SOUTH WEST SKYLT. DOORS NET EXPOSED WALL NET EXPOSED BANT 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	20 48 0 0 0 392 0 0	LOSS 357 357 857 0 0 0 1026 0 0 0 0 0 2597	317 828 1189 0 0 0 198 0 0			0 0 102 0 0 408 0	LOSS 0 0 1821 0 1068 0 0 22 0 0 2911	0 0 4225 0 0 206 0 11				9 0 0 0 0 20 391 0 0	LOSS GAII 161 143 0 0 0 0 0 0 0 0 9 481 93 1023 198 0 0 0 0 0 0 0 0 0 1665	0 0 7 0 0 0 63 0	LOSS 0 0 125 0 0 0 165 0 0 0 0 0 290	0 0 173 0 0 0 32 0 0 0	0 0 0 0 45 153 0 0	0 0 0 0 0 1082 400 0 0 0 0 0	0 0 0 0 0 209 77 0 0	0 0 7 0 0 133 0 0 0	0 0 0 125 0 0 348 0 0 0 0 0 0	0 0 290 0 0 0 67 0 0		0 0 0 0 0 0 0 340 0	143 0 0 0 0 0 0 1135 0 0	0 0 0 0 0 219 0	0 0 0 20 0 286 0	0 0 0 481 0 955 0 0 0 5359	0 0 0 93 0 185 0 0
NORTH EAST SOUTH WEST SKYLT. DOORS NET EXPOSED WALL NET EXPOSED WALL NET EXPOSED SIGN WALL ABOVE GR EXPOSED CLG NO ATTIC EXPOSED CLG EXPOSED FLOOR BASEMENTICRAWL HEAT LOSS SLAB ON GRADE HEAT LOSS SUB TOTAL 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	20 48 0 0 0 392 0 0 0	LOSS 357 357 857 0 0 0 1026 0 0 0 0 0 2597	317 828 1189 0 0 0 198 0 0			0 0 102 0 0 408 0 0	LOSS 0 0 0 1821 0 0 1068 0 0 22 0 0 0 2911 0.47	0 0 4225 0 0 206 0 11				9 0 0 0 0 20 391 0 0	LOSS GAII 161 143 0 0 0 0 0 0 0 0 0 481 93 1023 198 0 0 0 0 0 0 0 0 0 1665 433 0.47	0 0 7 0 0 0 63 0 0	LOSS 0 0 125 0 0 0 165 0 0 0 0 0 290 0.47	0 0 173 0 0 0 32 0 0 0	0 0 0 0 0 45 153 0	0 0 0 0 0 1082 400 0 0 0 0 0 0 1483	0 0 0 0 0 209 77 0 0	0 0 7 0 0 133 0	0 0 0 125 0 0 348 0 0 0 0 0 0 473	0 0 290 0 0 0 67 0 0		0 0 0 0 0 0 0 340 0	143 0 0 0 0 0 0 1135 0 0	0 0 0 0 0 219 0	0 0 0 20 0 286 0	0 0 0 0 481 0 955 0 0 5359 6973	0 0 0 93 0 185 0 0
NORTH EAST SOUTH WEST SKYLT. DOORS NET EXPOSED WALL NET EXPOSED WALL NET EXPOSED CLG EXPOSED CLG NO ATTIC EXPOSED CLO 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 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	20 48 0 0 0 392 0 0 0	LOSS 357 357 857 0 0 0 1026 0 0 0 0 0 2597	317 828 1189 0 0 0 198 0 0 0			0 0 102 0 0 408 0 0	LOSS 0 0 1821 0 1068 0 0 22 0 0 2911	0 0 4225 0 0 206 0 11 0				9 0 0 0 0 20 391 0 0	LOSS GAII 161 143 0 0 0 0 0 0 0 0 481 93 1023 198 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 7 0 0 0 63 0 0	LOSS 0 0 125 0 0 0 165 0 0 0 0 0 290	0 0 173 0 0 0 32 0 0 0	0 0 0 0 45 153 0 0	0 0 0 0 0 1082 400 0 0 0 0 0	0 0 0 0 0 209 77 0 0 0	0 0 7 0 0 133 0 0 0	0 0 0 125 0 0 348 0 0 0 0 0 0	0 0 290 0 0 0 67 0 0 0		0 0 0 0 0 0 0 340 0	143 0 0 0 0 0 0 1135 0 0	0 0 0 0 0 219 0	0 0 0 20 0 286 0	0 0 0 481 0 955 0 0 0 5359	0 0 0 93 0 185 0 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 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	20 48 0 0 0 392 0 0 0	LOSS 357 357 857 0 0 1026 0 0 0 0 0 2597	317 828 1189 0 0 0 198 0 0			0 0 102 0 0 408 0 0	LOSS 0 0 1821 0 1068 0 0 22 0 0 2911 0.47	0 0 4225 0 0 206 0 11				9 0 0 0 0 20 391 0 0	LOSS GAII 161 143 0 0 0 0 0 0 0 0 0 481 93 1023 198 0 0 0 0 0 0 0 0 0 1665 433 0.47 789	0 0 7 0 0 0 63 0 0	LOSS 0 0 125 0 0 165 0 0 0 290 0.47	0 0 173 0 0 0 32 0 0 0	0 0 0 0 45 153 0 0	0 0 0 0 1082 400 0 0 0 0 0 1483	0 0 0 0 0 209 77 0 0	0 0 7 0 0 133 0 0 0	0 0 0 125 0 0 348 0 0 0 0 0 473	0 0 290 0 0 0 67 0 0		0 0 0 0 0 0 0 340 0	143 0 0 0 0 0 0 1135 0 0	0 0 0 0 0 219 0	0 0 0 20 0 286 0	0 0 0 0 481 0 955 0 0 5359 6973	0 0 0 93 0 185 0 0
NORTH EAST SOUTH WEST SKYLT. DOORS NET EXPOSED WALL NET EXPOSED BAMT WALL ABOVE GR EXPOSED CLG EXPOSED FLOOR BASEMENT/CRAWL HEAT LOSS SLAB ON GRADE HEAT LOSS SUBTOTAL HT GAIN LEVEL FACTOR / MULTIPLIER AIR CHANGE HEAT LOSS AIR CHANGE HEAT LOSS 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	20 48 0 0 0 392 0 0 0	LOSS 357 357 857 0 0 0 1026 0 0 0 0 0 2597	317 828 1189 0 0 0 198 0 0 0 2532			0 0 102 0 0 408 0 0	LOSS 0 0 0 1821 0 0 1068 0 0 22 0 0 0 2911 0.47	0 0 0 4225 0 0 206 0 0 111 0				9 0 0 0 0 20 391 0 0	LOSS GAII 161 143 0 0 0 0 0 0 0 0 0 481 93 1023 198 0 0 0 0 0 0 0 0 0 1665 433 0.47 789 33	0 0 7 0 0 0 63 0 0	LOSS 0 0 125 0 0 0 165 0 0 0 0 0 290 0.47	0 0 1773 0 0 0 32 0 0 0 0	0 0 0 0 45 153 0 0	0 0 0 0 0 1082 400 0 0 0 0 0 0 1483	0 0 0 0 0 209 77 0 0 0	0 0 7 0 0 133 0 0 0	0 0 0 125 0 0 348 0 0 0 0 0 0 473	0 0 0 290 0 0 0 67 0 0 0 0		0 0 0 0 0 0 0 340 0	143 0 0 0 0 0 0 1135 0 0	0 0 0 0 0 219 0	0 0 0 20 0 286 0	0 0 0 0 481 0 955 0 0 5359 6973	0 0 0 93 0 185 0 0
NORTH EAST SOUTH WEST SYLT. DOORS NET EXPOSED WALL NET EXPOSED WALL NET EXPOSED BSMT WALL ABOVE GR EXPOSED CLG EXPOSED CLG EXPOSED FLOOR BASEMENTICRAWL 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 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	20 48 0 0 0 392 0 0 0	LOSS 357 357 857 0 0 1026 0 0 0 0 0 2597	317 828 1189 0 0 0 198 0 0 0 2532			0 0 102 0 0 408 0 0	LOSS 0 0 1821 0 1068 0 0 22 0 0 2911 0.47	0 0 0 4225 0 0 206 0 0 111 0				9 0 0 0 0 20 391 0 0 0	LOSS GAII 161 143 0 0 0 0 0 0 0 0 0 481 93 1023 198 0 0 0 0 0 0 0 0 0 1665 433 0.47 789 33	0 0 7 0 0 0 63 0 0 0	LOSS 0 0 125 0 0 165 0 0 0 290 0.47	0 0 1773 0 0 0 32 0 0 0 0 205	0 0 0 0 0 45 153 0 0	0 0 0 0 1082 400 0 0 0 0 0 1483	0 0 0 0 0 209 77 0 0 0 0	0 0 7 0 0 133 0 0 0	0 0 0 125 0 0 348 0 0 0 0 0 473	0 0 0 290 0 0 0 67 0 0 0 0		0 0 0 0 0 0 0 340 0 0	143 0 0 0 0 0 0 1135 0 0	0 0 0 0 0 0 219 0 0	0 0 0 20 0 286 0 0	0 0 0 0 481 0 955 0 0 5359 6973	0 0 0 0 93 0 185 0 0 0
NORTH EAST SOUTH WEST SKYLT. DOORS NET EXPOSED WALL NET EXPOSED WALL NET EXPOSED BSMT WALL ABOVE GR EXPOSED CLG NO ATTIC EXPOSED CLO EXPOSED FLOOR BASEMENT/CRAWL HEAT LOSS SLAB ON GRADE HEAT LOSS SUBTOTAL HT LOSS SUBTOTAL HT GAIN LEVEL FACTOR / MULTIPLIER AIR CHANGE HEAT LOSS 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	15.8 41.4 24.8 41.4 101.2 4.7 0.5 0.6 0.7 1.1	20 48 0 0 0 392 0 0 0	LOSS 357 357 0 0 0 1026 0 0 0 0 2597 1231 0	317 828 1189 0 0 198 0 0 0 2532			0 0 102 0 0 408 0 0	LOSS 0 0 1821 0 1068 0 0 22 0 0 2911 0.47	0 0 0 4225 0 0 206 0 0 111 0				9 0 0 0 0 20 391 0 0	LOSS GAII 161 143 0 0 0 0 0 0 0 0 0 481 93 1023 198 0 0 0 0 0 0 0 0 0 0 0 0 1665 433 0.47 789 33 0 0 0	0 0 7 0 0 0 63 0 0	LOSS 0 0 125 0 0 165 0 0 0 290 0.47	0 0 1773 0 0 0 322 0 0 0 0 205	0 0 0 0 45 153 0 0	0 0 0 0 1082 400 0 0 0 0 0 1483	0 0 0 0 0 209 77 0 0 0 0	0 0 7 0 0 133 0 0 0	0 0 0 125 0 0 348 0 0 0 0 0 473	0 0 0 290 0 0 0 67 0 0 0 0 0		0 0 0 0 0 0 0 340 0	143 0 0 0 0 0 0 1135 0 0	0 0 0 0 0 219 0	0 0 0 20 0 286 0	0 0 0 0 481 0 955 0 0 5359 6973	0 0 0 93 0 185 0 0
NORTH EAST SOUTH WEST SKYLT. DOORS NET EXPOSED WALL NET EXPOSED BAMT WALL ABOVE OR 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 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	15.8 41.4 24.8 41.4 101.2 4.7 0.5 0.6 0.7 1.1	20 48 0 0 0 392 0 0 0	LOSS 357 357 857 0 0 0 1026 0 0 0 0 2597 0.47 1231 0	317 828 1189 0 0 0 198 0 0 0 2532			0 0 102 0 0 408 0 0	LOSS 0 0 1821 0 0 1068 0 0 222 0 0 2911 0.47 1380	0 0 0 4225 0 0 206 0 0 111 0				9 0 0 0 0 22 20 391 0 0 0 0	LOSS GAII 161 143 0 0 0 0 0 0 0 0 0 481 93 11023 198 0 0 0 0 0 0 0 0 0 0 1665 433 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 7 0 0 0 63 0 0 0	LOSS 0 0 125 0 0 0 165 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 1773 0 0 0 32 0 0 0 0 205	0 0 0 0 0 45 153 0 0	0 0 0 0 0 1082 400 0 0 0 0 0 1483 0.47 703	0 0 0 0 0 209 77 0 0 0 0	0 0 7 0 0 133 0 0 0	0 0 0 125 0 0 348 0 0 0 0 473 0.47 224	0 0 0 290 0 0 0 67 0 0 0 0		0 0 0 0 0 0 0 340 0 0	143 0 0 0 0 0 0 1135 0 0 0 1278	0 0 0 0 0 0 219 0 0	0 0 0 20 0 286 0 0 0	0 0 0 481 0 955 0 0 5359 6973 0.90 7443	0 0 0 0 93 0 185 0 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 BASEMENTICRAWL HEAT LOSS SLAB ON GRADE HEAT LOSS SUBTOTAL HT LOSS SUBTOTAL HT GAIN LEVEL FACTOR / MULTIPLIER AIR CHANGE HEAT LOSS 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	15.8 41.4 24.8 41.4 101.2 4.7 0.5 0.6 0.7 1.1	20 48 0 0 0 392 0 0 0	LOSS 357 357 857 0 0 0 1026 0 0 0 0 2597 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	317 828 1189 0 0 198 0 0 0 2532			0 0 102 0 0 408 0 0	COSS 0 0 0 1821 0 0 0 1068 0 0 0 222 0 0 0 2911 0.47 1380 0 0	0 0 0 4225 0 0 206 0 0 111 0				9 0 0 0 0 22 20 391 0 0 0 0	LOSS GAII 161 143 0 0 0 0 0 0 0 0 0 481 93 1023 198 0 0 0 0 0 0 0 0 0 0 0 0 1665 433 0.47 789 33 0 0 0	0 0 7 0 0 0 63 0 0 0	LOSS 0 0 125 0 0 165 0 0 0 290 0.47	0 0 1773 0 0 0 322 0 0 0 0 205	0 0 0 0 0 45 153 0 0	0 0 0 0 1082 400 0 0 0 0 0 1483	0 0 0 0 0 209 77 0 0 0 0	0 0 7 0 0 133 0 0 0	0 0 0 125 0 0 348 0 0 0 0 0 473	0 0 0 290 0 0 0 67 0 0 0 0 0		0 0 0 0 0 0 0 340 0 0	143 0 0 0 0 0 0 1135 0 0	0 0 0 0 0 0 219 0 0	0 0 0 20 0 286 0 0 0	0 0 0 0 481 0 955 0 0 5359 6973	0 0 0 0 93 0 185 0 0 0

TOTAL HEAT GAIN BTU/H:

35298 TONS: 2.94 LOSS DUE TO VENTILATION LOAD BTU/H: 2354

STRUCTURAL HEAT LOSS: 43261

TOTAL COMBINED HEAT LOSS BTU/H: 45614

Michael Offine individual BCIN: 1969



SITE NAME: LECCO RIDGE BUILDER: GREENPARK HOMES TYPE: JUNIPER 3 DATE: Dec-16 GFA: 2765 LO# 71348 furnace pressure 0,6 AFUE = 96.0 % 0.05 #AMANA HEATING CFM 1131 COOLING CFM 1131 furnace filter INPUT (BTU/H) = 60,000 TOTAL HEAT GAIN 34,843 0.2 AMEC960603BNA 60 TOTAL HEAT LOSS 43,261 a/c coil pressure OUTPUT (BTU/H) = 57,600 AIR FLOW RATE CFM 26.14 AIR FLOW RATE CFM 32.46 available pressure FAN SPEED LOW for s/a & r/a 0.35 DESIGN CFM = 1131 **MEDLOW** RUN COUNT 4th 3rd 2nd 1st Bas CFM @ .6 " E.S.P. 0 0 10 9 4 plenum pressure s/a 0.18 r/a pressure 0.17 MEDIUM S/A MEDIUM HIGH 0.03 r/a grille press. Loss 0.02 R/A max s/a dif press. loss °F TEMPERATURE RISE 47 min adjusted pressure s/a 0.15 adjusted pressure r/a 0.15 HIGH 1131 All S/A diffusers 4"x10" unless noted otherwise on layout. All S/A runs 5"Ø unless noted otherwise on layout. 17 18 19 20 21 23 24 RUN# 5 6 8 11 12 13 14 15 16 PANT BAS BAS BAS ROOM NAME MBR ENS ENS BED-2 BED-3 BED-4 **BATH** BED-2 BED-3 ENS-2 LV/DN LV/DN KT/FM KT/FM KT/FM LAUN W/R FOY BAS 3.92 3.92 3.92 3.92 1.43 0.43 2.19 0.70 RM LOSS MBH. 1.81 1.06 1.06 1.63 1.48 1.70 0.73 1.63 1.48 1.12 1.91 1.91 1.43 1.43 2.45 29 50 50 37 37 37 64 11 57 18 103 103 103 103 CFM PER RUN HEAT 47 28 28 43 39 44 19 43 39 0.27 0.27 0.27 0.27 0.29 0.40 0.50 RM GAIN MBH. 3.94 1.33 1.33 2.38 2.18 2.48 0.46 2.38 2.18 1.03 2.19 2.19 2.35 2.35 2.35 1.43 13 16 9 9 9 76 76 47 9 9 CFM PER RUN COOLING 128 43 43 77 71 81 15 77 71 34 71 71 76 0.15 0.17 0.17 0.17 0.17 0.16 0.17 0.17 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 ADJUSTED PRESSURE 29 30 19 48 52 32 26 52 55 54 16 32 21 27 39 36 9 42 44 14 ACTUAL DUCT LGH. 39 51 45 110 160 110 150 170 110 110 130 130 130 90 120 150 180 80 110 **EQUIVALENT LENGTH** 140 120 150 130 150 170 120 109 181 137 189 206 119 152 174 144 160 149 TOTAL EFFECTIVE LENGTH 195 178 202 202 176 172 235 164 96 142 179 171 0.14 0.1 0.15 0.11 0.08 0.11 0.1 0.11 ADJUSTED PRESSURE 0.08 0.1 0.09 0.1 0.09 0.08 0.1 0.1 0.07 0.1 0.18 0.12 0.1 0.13 0.09 5 5 5 5 4 4 4 6 6 6 5 4 5 ROUND DUCT SIZE 4 5 5 5 5 5 333 367 367 272 272 272 470 126 654 207 525 525 525 525 240 321 321 316 286 323 218 316 286 HEATING VELOCITY (ft/min) 149 46 46 184 46 46 COOLING VELOCITY (ft/min) 653 493 493 565 521 595 172 565 521 390 521 521 558 558 558 345 103 3X10 4X10 4X10 4X10 4X10 3X10 4X10 3X10 3X10 3X10 3X10 3X10 OUTLET GRILL SIZE 3X10 3X10 С В D TRUNK В С В С

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 3 **BUILDING DIVISION** 

SUPPLY AIR TRUNK SIZE																	RETURN A	R TRUNK	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	278	0.08	8.7	10	х	8	500		TRUNK G	0	0.00	0	0	X	8	0	TRUNK O	0	0.05	0	0	Х	8	0
TRUNK B	661	0.08	12	18	х	8	661		TRUNK H	0	0.00	0	0	х	8	0	TRUNK P	0	0.05	0	0	Х	8	0
TRUNK C	288	0.07	9.1	10	Х	8	518		TRUNK I	0	0.00	0	0	Х	8	0	TRUNK Q	0	0.05	0	0	Х	8	0
TRUNK D	471	0.07	10.9	14	Х	8	606		TRUNK J	0	0.00	0	0	Х	8	0	TRUNK R	0	0.05	0	0	X	8	0
TRUNK E	0	0.00	0	0	х	8	0		TRUNK K	0	0.00	0	0	Х	8	0	TRUNK S	0	0.05	0	0	X	8	0
TRUNK F	0	0.00	0	0	х	8	0		TRUNK L	0	0.00	0	0	Х	8	00	TRUNKT	0	0.05	0	0	Х	8	0
																	TRUNK U	0	0.05	0	0	Х	8	0
																	TRUNK V	0	0.05	0	0	Х	8	0
RETURN AIR #	1	2	3	4	5	6										BR	TRUNK W	0	0.05	0	0	Х	8	0
ļ	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		TRUNK X	1131	0.05	16.5	32	Х	8	636
AIR VOLUME	185	85	75	95	205	290	0	0	0	0	0	0	0	0	0	196	TRUNKY	365	0.05	10.8	14	Х	8	469
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	270	0.05	9.7	12	х	8	405
ACTUAL DUCT LGH.	53	57	63	46	20	25	1	1	1	1	1	1	1	1	1	16	DROP	1131	0.05	16.5	24	Х	10	679
EQUIVALENT LENGTH	140	175	210	175	135	175	0	0	0	0	0	0	0	0	0	145								
TOTAL EFFECTIVE LH	193	232	273	221	155	200	1	1	1	1	1	1	1	1	1	161								
ADJUSTED PRESSURE	0.08	0.06	0.05	0.07	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	7.5	6	6	6	7.3	9.1	0	0	0	0	0	0	0	0	0	7.4								
INLET GRILL SIZE	8	8	8	8	8	8	0	0	0	0	0	0	0	0	0	8								
	Х	Х	X	Х	Х	Х	Х	Х	Х	Х	Х	X	Х	Х	Х	Х								
INLET GRILL SIZE	14	14	14	14	14	30	00	0	0	0	0	0	0	0	0	14	<u> </u>							



TYPE: SITE NAME: JUNIPER 3

LECCO RIDGE

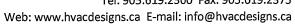
LO# 71348

## RESIDENTIAL MECHANICAL VENTILATION DESIGN SUMMARY

COMBUSTION APPLIANCES	9.32.3.1(1)	SUPPLEMENTAL VE	ENTILATIO	N CAPACITY				9.32.3.5.
a)		Total Ventilation Capa	acity			169.6	_	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 Supplement	tal Capacity	•	_	83.6	-	cfm
d) Solid Fuel (including fireplaces)								
e) No Combustion Appliances		PRINCIPAL EXHAUS	ST FAN CA	PACITY				
e)no combustion Appliances		Model:	VAN	IEE 40H+		Location:		вѕмт
HEATING SYSTEM		86.0	cfm	3.0	sones			HVI Approved
Forced Air Non Forced Air		PRINCIPAL EXHAUS			ATION			
		CFM 86.0 CFM	Х	ΔT °F 72 F	х	FACTOR 1.08	x	% LOSS 0.35
Electric Space Heat			***************************************	721				0.55
		SUPPLEMENTAL FA	ANS	Madal		NUTONE	111/1	Canaa
HOUSE TYPE	9.32.1(2)	Location ENS		Model QTXEN050C		cfm 50	HVI	Sones 0.3
110002 1172	5.52.1(2)	BATH	~~~~	QTXEN050C		50	1	0.3
✓ I Type a) or b) appliance only, no solid fuel	1	ENS-2		QTXEN050C		50	1	0.3
7/4- =/ = =/ = = = = = = = = = = = = = = =	1	W/R		QTXEN050C		50	1	0.3
II Type I except with solid fuel (including fireplaces)								2 2 2 2 4 4
III Any Type c) appliance		HEAT RECOVERY V Model:		/ANEE 40H+				9.32.3.11
		86	_	cfm high		37		cfm low
IV Type I, or II with electric space heat		65	% S	ensible Efficien	cv			HVI Approved
Other: Type I, II or IV no forced air			-	deg F ( 0 deg	•			
		LOCATION OF MOT						
SYSTEM DESIGN OPTIONS	O.N.H.W.P.	LOCATION OF INST.	ALLATION	İ				IVED MILTON
		Lot:			C			
1 Exhaust only/Forced Air System		Township			Р		AR 29 UNIP	, 2017 FR 3
2 HRV with Ducting/Forced Air System		Township			<u>'</u>			DIVISION
✓ 3 HRV Simplified/connected to forced air system		Address				DOILL	1110	DIVIDION
		Roll #						MILTON OPMENT
4 HRV with Ducting/non forced air system		BUILDER:	G	MILTON PLA	AININIINC			3 MODEL
Part 6 Design		Name:		BUILDING				
		ivaine.		SCOTT SH		FS	AF	PR 7, 2017 DATE
TOTAL VENTILATION CAPACITY	9.32.3.3(1)	Address:		Neither the iss	uance of a			ng out of
Basement + Master Bedroom 2 @ 21.2 cfm 42.4	cfm	City:		inspections by full responsibil	ity for com	pliance with	h the pr	ovisions of
Other Bedrooms 3 @ 10.6 cfm 31.8	cfm	Telephone #:		the Ontario Bu Code, both as	amended	, as well as	other a	pplicable
				statutes and re By-laws of the				
Kitchen & Bathrooms5 @ 10.6 cfm53	cfm	INSTALLING CONTE	RACTOR					
Other Rooms <u>4</u> @ 10.6 cfm <u>42.4</u>	cfm	Name:						
Table 9.32.3.A. TOTAL 169.6	cfm	Address:						
		City:						
PRINCIPAL VENTILATION CAPACITY REQUIRED	9.32.3.4.(1)	U.y.			· · ·			
4 Badasan 040 afa		Telephone #:			F	ax #:		
1 Bedroom 31.8 cfm		DESIGNER CERTIFI	ICATION					
2 Bedroom 47.7 cfm		I hereby certify that the			oeen desig	gned		
3 Bedroom 63.6 cfm		in accordance with th Name:		Building Code. AC Designs Ltd	i.			
4 Bedroom 79.5 cfm		Signature:		The state of the s	Mahad .	OffenLe	ė.	
5 Bedroom 95.4 cfm		HRAI#			(	01820		
More than 5 - Part 6 TOTAL 79.5 cfm		Date:			Dec	ember-16		
I REVIEW AND TAKE RESPONBILITY FOR THE DESIGN WORK AND AM QUA	ALIFIED IN THE APP		"OTHER DES	GNER" UNDER DIV			LDING C	ODE.

INDIVIDUAL BCIN: 19669
Mutel Office.

MICHAEL O'ROURKE





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

MODEL:	JUNIPER 3			BUILDER: GREENPARK HOMES	
SFQT:	2765	LO#	71348	SITE: LECCO RIDGE	
DESIGN A	SSUMPTIONS				
	R DESIGN TEMP. DESIGN TEMP.		°F 0 72	COOLING OUTDOOR DESIGN TEMP. INDOOR DESIGN TEMP. (MAX 75°F)	°F 86 72
BUILDING	DATA				
ATTACHM	1ENT:		DETACHED	# OF STORIES (+BASEMENT):	3
FRONT FA	ACES:		EAST	ASSUMED (Y/N):	Υ
AIR CHAN	IGES PER HOUR:		3.57	ASSUMED (Y/N):	Υ
AIR TIGHT	TNESS CATEGORY:		AVERAGE	ASSUMED (Y/N):	Υ
WIND EXI	POSURE:		SHELTERED	ASSUMED (Y/N):	Υ
HOUSE V	OLUME (ft³):		37957.5	ASSUMED (Y/N):	Υ
INTERNAI	L SHADING:	BLINDS	S/CURTAINS	ASSUMED OCCUPANTS:	5
INTERIOR	LIGHTING LOAD (Btu/h	/ft²):	1.27	DC BRUSHLESS MOTOR (Y/N):	Υ
FOUNDAT	TION CONFIGURATION		BCIN_1	DEPTH BELOW GRADE:	6.9 ft
LENGTH:	46.0 ft	WIDTH:	38.0 ft	EXPOSED PERIMETER:	168.0 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)-Value	e	10
Heated Slab or Slab ≤ 600 mm below grade Minimum RSI (R)-Value	DE05# (5D	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	JUNIPER 3	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 Stat	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)											
Foundation Dimensions											
Floor Length (m):	14.0										
Floor Width (m):	11.6										
Exposed Perimeter (m):	0.0										
Wall Height (m):	2.9										
Depth Below Grade (m):	2.1	Insulation Configuration									
Window Area (m²):	1.7										
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):		1570									

**TYPE:** JUNIPER 3 **LO#** 71348

RECEIVED TOWN OF MILTON MAR 29, 2017 JUNIPER 3 BUILDING DIVISION



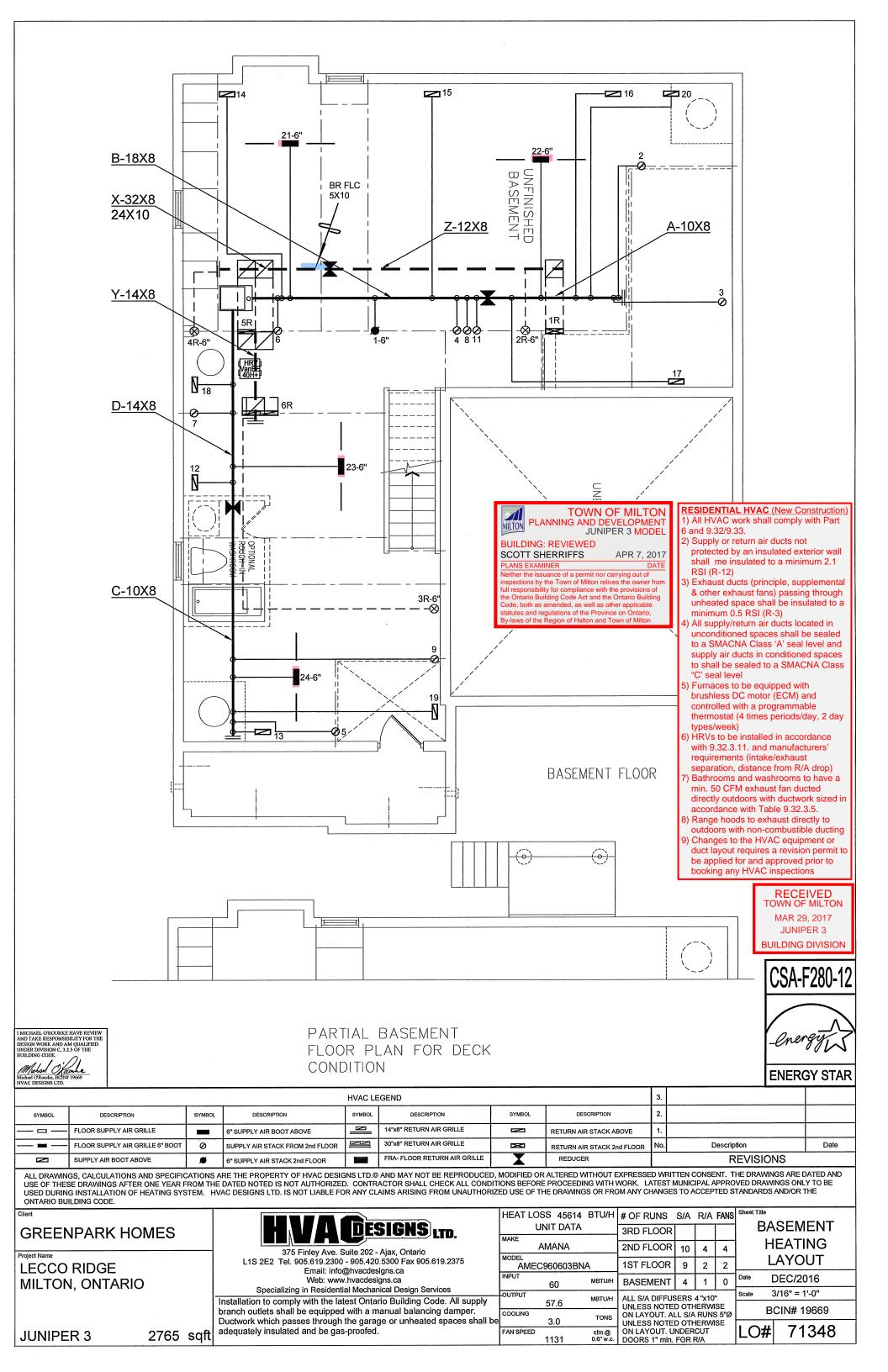
## **Air Infiltration Residential Load Calculator**

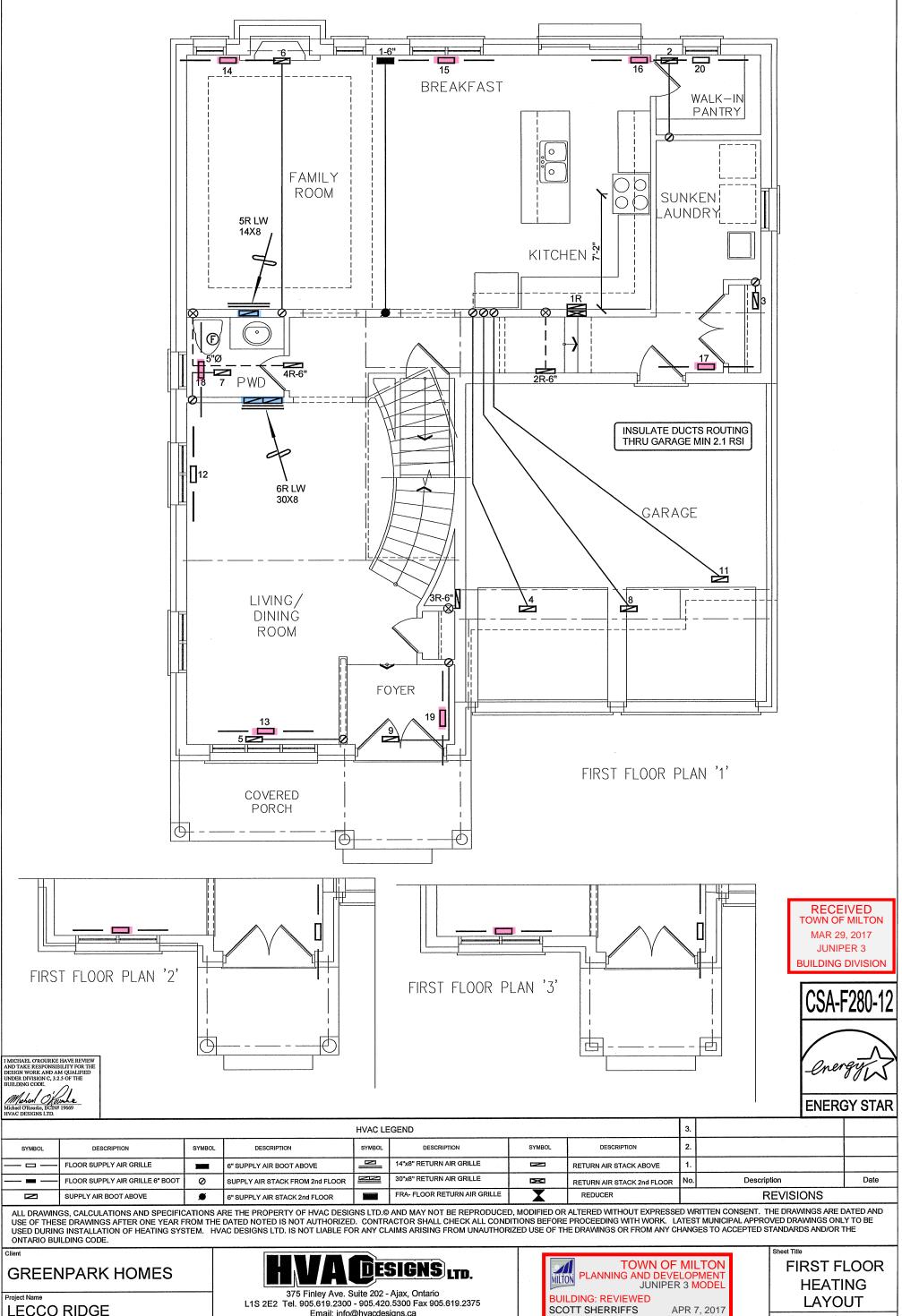
Supplemental tool for CAN/CSA-F280

		script	ion								
Province:	Onta	rio									
Region:	Milto	n									
Weather Station Location:	Open flat terrain, grass										
Anemometer height (m):	10										
Local S	hieldir	ıg									
Building Site:	Subu	rban, f	orest								
Walls:	Heav	у									
Flue:	Heav	У									
Highest Ceiling Height (m):	6.58										
Building Configuration											
Type:	Deta	ched									
Number of Stories:	Two										
Foundation:	Full										
House Volume (m³):	1074	.8									
Air Leakag	e/Venti	lation	า								
Air Tightness Type:	Prese	ent (19	61-) (3	.57 ACI	<del> </del> )						
Custom BDT Data:	ELA (	@ 10 Pa	а.		1432.8 cm <sup>2</sup>						
	3.57	,			ACH @ 50 Pa						
Mechanical Ventilation (L/s):	T	otal Sup	ply		Total Exhaust						
		40.6			40.6						
Flu	e Size										
Flue #:	#1	#2	#3	#4							
Diameter (mm):	0	0	0	0							
Natural Infi	ltratior	Rate	es								
Heating Air Leakage Rate (ACH/H	):	C	).30	3							
Cooling Air Leakage Rate (ACH/H	):	C	).10								

**TYPE:** JUNIPER 3 **LO#** 71348

RECEIVED TOWN OF MILTON MAR 29, 2017 JUNIPER 3 BUILDING DIVISION





LECCO RIDGE

MILTON, ONTARIO

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.

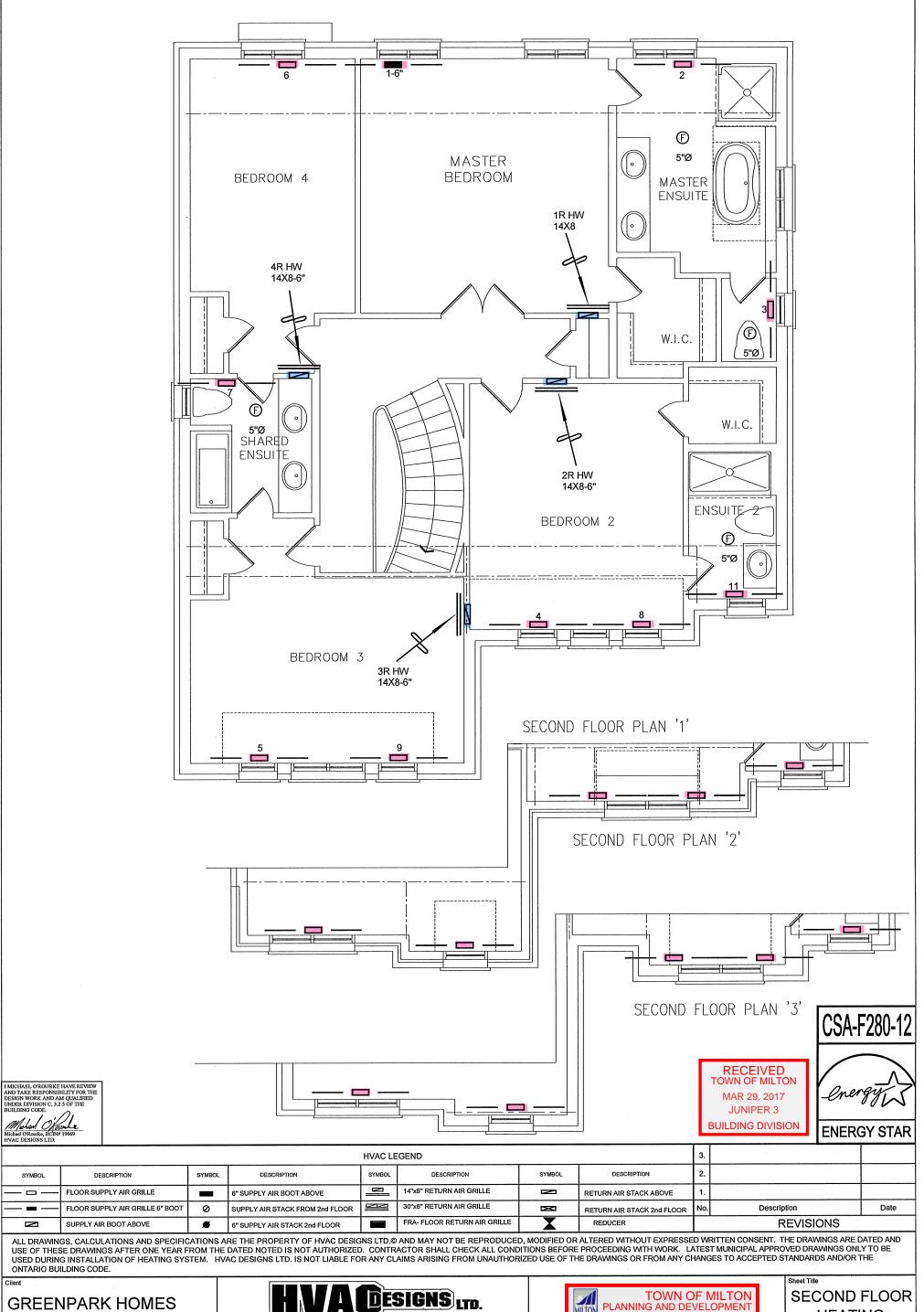
SCOTT SHERRIFFS PLANS EXAMINER

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, Bullaws of the Region of Halton and Town of Milton. By-laws of the Region of Halton and Town of Miltor

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

71348

**JUNIPER 3** 2765 sqft



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By-laws of the Region of Halton and Town of Miltor

APR 7, 2017 PLANS EXAMINER 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, **HEATING** LAYOUT

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

71348

**JUNIPER 3** 2765 sqft