

BUILDER:	LECCO			s				TYPE:	IVY 12					GFA:	2404			TE: Jan-17 0# 71720								√GERATE 0 √GERATE 0		HEAT LOSS HEAT GAIN					SA-F280-1 IERGYSTAI
ROOM USE				MBR	T		ENS		<u> </u>			-	BED-2			BED-3	T	BED-4			BATH	1	T		T								
EXP. WALL				33			10						13			30		14			12		1				-		1		1		
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CLG. HT.				9			9						9			•		•											1				
1	FACTO																				400		1						1				
	LOSS	GAIN		297			90						117			270		126			120		1										
GLAZING				LOSS	GAIN		LOSS	GAIN					LOSS			LOSS G		LOSS			LOSS		1										
NORTH	20.4	16.3	0	0	0	0	0	0				0	0	0	0	0		0 0	0	0	0	0	1					<u>' </u>	•				
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NET EXPOSED BSMT WALL ABOVE GR	3.6	0.7	0	0	0		-					-		-	116	-			99	143	207	103					_	LANS EXAMINER					DATE
EXPOSED CLG	1.4	0.7	270	391	194	210	304	151	l			145	210	104								0			ı			either the issuance					
NO ATTIC EXPOSED CLG	2.3	1.2	0	0	0	0	0	0				20	47	23	40			30 70	35	0	0				ı			spections by the T					
EXPOSED FLOOR	2.3	0.5	0	0	0	0	0	0	l		- 1	165	385	75	0)	0 0	0	0	0	0	1					Il responsibility for					
BASEMENT/CRAWL HEAT LOSS				0	1		0		l				0			0		0			0		1					e Ontario Building					
SLAB ON GRADE HEAT LOSS				0	1		0		i		- 1		0			0		0			0		1					ode, both as amen atutes and regulati					
SUBTOTAL HT LOSS				2342	- 1		892						1348			2338	ı	1228			939		1					/-laws of the Regio					
SUB TOTAL HT GAIN					2350			948	l		- 1			1098		2	66		1023	1		692	1				Бу	, idwa oi tile ixegit	ח וט וויכ	iditori d	iu TUV	VIT OF IVIII	ion .
LEVEL FACTOR / MULTIPLIER			0.20	0.24		0.20	0.24					0.20	0.24		0.20	0.24	0	20 0.24		0.20	0.24		1										
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TOTAL HT GAIN x 1.3 BTU/H					4684			1316						2897		4	49		2530			961	1										
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GRS.WALL AREA GLAZING NORTH EAST SOUTH	20.4 20.4 20.4 20.4	16.3 41.9 25.3	0 √37 √37	42 10 420 LOSS 0 755 755	GAIN 0 1551 935				0 0 √37	45 10 450 LOSS 6 0 0 755	0 0 935 2179 0	0 0 /31	14 10 140 LOSS 0 0 632	0 0 783	0 0 0 0	0 9 0 LOSS G 0 0 0		12 10 120 LOSS 0 0 0 0 0 0	0 0 0 0	0 0 0	10 10 100 LOSS 0 0 0	0 0 0 0	0 0 0 0	12 10 120 LOSS G. 0 0 0	0 0 0 0				0 0 6	29 9 261 LOSS 0 0 0 122	0 0 0 251 0	L 0 4 4 0	9 978 .OSS GAI 0 0 82 168 82 101 0 0 0 0
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GRS.WALL AREA GLAZING NORTH EAST SOUTH WEST SKYLT. DOORS NET EXPOSED WALL NET EXPOSED WALL	20.4 20.4 20.4 20.4 35.7 24.1 3.1 3.6	16.3 41.9 25.3 41.9 102.2 4.7 0.6 0.7	0 √37 √37 0 0 0 346	42 10 420 LOSS 0 755 755 0 0 0	GAIN 0 1551 935 0 0 0				0 0 √37 52 0 20 341	450 LOSS 6 0 0 755 1061 2 481 1046	0 935 2179 0 93 202	0 0 /31 0 0 0 109	14 10 140 LOSS 0 0 632 0 0 0 334	0 0 783 0 0 0	0 0 0 0 0	0 9 0 LOSS G 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	12 10 120 LOSS 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 71	0 0 0 0 47 53	10 100 LOSS 0 0 0 0 0 1130 163	0 0 0 0 0 219 31	0 0 0 0 0 /20 100	12 10 120 LOSS G 0 0 0 0 0 481 1 3 307 6	0 0 0 0 0 93				0 0 6 0 0	29 9 261 LOSS 0 0 0 122 0 0	0 0 0 251 0 0	0 4 4 0 0 20	9 978 .OSS GAI 0 0 82 168 82 101 0 0 0 0 481 93 0 0
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GRS.WALL AREA GLAZING NORTH EAST SOUTH WEST SKYLT. DOORS NET EXPOSED WALL NET EXPOSED BMT WALL ABOVE GR EXPOSED CLG	20.4 20.4 20.4 20.4 35.7 24.1 3.6 1.4 2.3	16.3 41.9 25.3 41.9 102.2 4.7 0.6 0.7 0.7 1.2	0 √37 √37 0 0 346 0 8	42 10 420 LOSS 0 755 755 0 0 1061 0 12	GAIN 0 1551 935 0 0 205 0				0 0 √37 62 0 20 341 0 8	450 LOSS (0 0 755 1061 : 0 481 1046 0 12	0 0 935 2179 0 93 202 0 6	0 0 /31 0 0 0 109 0	14 10 140 LOSS 0 632 0 0 0 334 0	0 783 0 0 0 65 0	0 0 0 0 0 0 0 0	0 9 0 LOSS G 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	12 10 120 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 71 0	0 0 0 0 47 53 0 0	10 100 100 0 0 0 0 1130 163 0	0 0 0 0 0 219 31 0	0 0 0 0 0 √20 100 0 0	12 10 120 LOSS G. 0 0 0 0 0 481 9 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 93 59 0				0 0 6 0 0 0 168	29 9 261 LOSS 0 0 122 0 0 608	0 0 0 251 0 0 0 118	0 4 4 0 0 20 0 228 0	9 978 OSS GAI 0 0 82 168 82 101 0 0 0 0 481 93 0 0 825 166 0 0
GRS.WALL AREA GLAZING NORTH EAST SOUTH WEST SKYLT. DOORS NET EXPOSED WALL NET EXPOSED BAIT WALL ABOVE GR EXPOSED CLG NO A TTIC EXPOSED CLG EXPOSED FLOOR	20.4 20.4 20.4 20.4 35.7 24.1 3.6 1.4	16.3 41.9 25.3 41.9 102.2 4.7 0.6 0.7	0 √37 √37 0 0 346 0 8	42 10 420 LOSS 0 755 755 0 0 1061 0 12 0	GAIN 0 1551 935 0 0 0 205 0				0 0 √37 52 0 20 341 0 8	450 LOSS (0 0 755 1061 : 0 481 1046 0 12 0	0 0 935 2179 0 93 202 0 6	0 0 /31 0 0 0 109 0	14 10 140 LOSS 0 0 632 0 0 0 334 0 0	0 783 0 0 0 66 0	0 0 0 0 0 0 0	0 9 0 LOSS G 0 0 0 0 0 0 0 0 0 0 0 0 0 180 180	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	12 10 120 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 71 0	0 0 0 0 47 53 0	10 100 100 LOSS 0 0 0 0 0 1130 163 0 0	0 0 0 0 0 219 31 0	0 0 0 0 0 √20 100 0	12 10 120 LOSS G. 0 0 0 0 0 481 9 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 93 59 0				0 0 6 0 0 0 168 0	29 9 261 LOSS 0 0 122 0 0 608 0	0 0 0 251 0 0 0 118 0	0 4 4 0 0 20 0 228 0 0	978 978 OSS GAI 0 0 0 82 100 0 0 0 481 93 0 0 0 825 160 0 0 0 0 0 0
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GRS.WALL AREA GLAZING NORTH EAST SOUTH WEST SKYLT. DOORS NET EXPOSED WALL NET EXPOSED WALL NET EXPOSED CLG EXPOSED CLG EXPOSED CLG EXPOSED FLOOR BASEMENT/CRAW. HEAT LOSS SLAB ON GRADE HEAT LOSS	20.4 20.4 20.4 20.4 35.7 24.1 3.6 1.4 2.3	16.3 41.9 25.3 41.9 102.2 4.7 0.6 0.7 0.7 1.2	0 √37 √37 0 0 346 0 8	42 10 420 LOSS 0 755 755 0 0 1061 0 12 0 0	GAIN 0 1551 935 0 0 205 0				0 0 √37 62 0 20 341 0 8 0	450 LOSS 6 0 0 755 1061 : 1046 0 12 0 0 0	0 0 935 2179 0 93 202 0 6	0 0 /31 0 0 0 109 0	14 10 140 LOSS 0 0 632 0 0 0 334 0 0 0	0 783 0 0 0 65 0	0 0 0 0 0 0 0 0	0 9 0 LOSS G 0 0 0 0 0 0 0 0 0 0 0 180 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	12 10 120 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 71 0	0 0 0 0 47 53 0 0	10 10 100 LOSS 0 0 0 0 1130 163 0 0 0	0 0 0 0 219 31 0 0	0 0 0 0 0 √20 100 0 0	12 10 120 LOSS G. 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 93 59 0				0 0 6 0 0 0 168 0	29 9 261 LOSS 0 0 122 0 0 0 608 0	0 0 0 251 0 0 0 118 0	0 4 4 0 0 20 0 228 0 0	978 .OSS GAI 0 0 0 82 166 82 100 0 0 0 0 0 481 93 0 0 0 825 166 0 0 0 0 0 4426
GRS.WALL AREA GLAZING NORTH EAST SOUTH WEST SKYLT. DOORS NET EXPOSED WALL NET EXPOSED B SMT WALL ABOVE GR EXPOSED CLG NO A TTIC EXPOSED CLG EXPOSED FLOOR BASEMENT/CRAWL HEAT LOSS SLAB ON GRADE HEAT LOSS SUBTOTAL HT LOSS	20.4 20.4 20.4 20.4 35.7 24.1 3.6 1.4 2.3	16.3 41.9 25.3 41.9 102.2 4.7 0.6 0.7 0.7 1.2	0 √37 √37 0 0 346 0 8	42 10 420 LOSS 0 755 755 0 0 1061 0 12 0 0	GAIN 0 1551 935 0 0 205 0 6 0				0 0 √37 62 0 20 341 0 8 0	450 LOSS 0 0 755 1061 : 0 481 1046 0 12 0 0 0 0 3355	0 0 935 2179 0 93 202 0 6 0	0 0 /31 0 0 0 109 0	14 10 140 LOSS 0 0 632 0 0 0 334 0 0	0 0 783 0 0 0 65 0 0	0 0 0 0 0 0 0 0	0 9 0 LOSS G 0 0 0 0 0 0 0 0 0 0 180 0 0 0 403	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	12 10 120 LOSS 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 71 0 0	0 0 0 0 47 53 0 0	10 100 100 LOSS 0 0 0 0 0 1130 163 0 0	0 0 0 0 219 31 0 0	0 0 0 0 0 100 0 0	12 10 120 LOSS G 0 0 0 0 0 0 481 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0 0 0 0 0 0 93 59 0 0				0 0 6 0 0 0 168 0	29 9 261 LOSS 0 0 0 122 0 0 608 0	0 0 0 251 0 0 0 118 0	0 4 4 0 0 20 0 228 0 0	978 OSS GAI 0 0 0 82 166 82 100 0 0 0 481 93 0 0 825 166 0 0 0 44426
GRS.WALL AREA GLAZING NORTH EAST SOUTH WEST SKYLT. DOORS NET EXPOSED WALL NET EXPOSED BAMT WALL ABOVE GR EXPOSED CLG NO A TTIC EXPOSED CLG EXPOSED FLOOR BASEMENT/GRAW. HEAT LOSS SLAB ON GRADE HEAT LOSS SUB TOTAL HT GAIN	20.4 20.4 20.4 20.4 35.7 24.1 3.6 1.4 2.3	16.3 41.9 25.3 41.9 102.2 4.7 0.6 0.7 0.7 1.2	0 √37 √37 0 0 346 0 8 0	42 10 420 LOSS 0 755 755 0 0 0 1061 0 12 0 0 0 2583	GAIN 0 1551 935 0 0 205 0				0 0 √37 52 0 20 341 0 8 0	450 LOSS 0 0 0 755 1061 : 0 481 1046 0 12 0 0 0 0 3355	0 0 935 2179 0 93 202 0 6	0 0 /31 0 0 0 109 0 0	140 LOSS 0 0 632 0 0 0 334 0 0 0 0 0 0 967	0 783 0 0 0 65 0	0 0 0 0 0 0 0 0 154 0 77	0 9 0 LOSS G 0 0 0 0 0 0 0 0 0 0 0 0 0 180 0 0 0 0 0	000000000000000000000000000000000000000	12 10 120 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 71 0	0 0 0 0 47 53 0 0	100 100 LOSS 0 0 0 0 0 1130 0 0 0 0 0 1293	0 0 0 0 219 31 0 0 0	0 0 0 0 0 100 0 0 0	12 10 120 LOSS G 0 0 0 0 0 0 481 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0 0 0 0 0 0 93 59 0				0 0 6 0 0 0 168 0	29 9 261 LOSS 0 0 122 0 0 0 608 0	0 0 0 251 0 0 0 118 0	0 4 4 0 0 20 0 228 0 0	978 OSS GAI 0 0 0 82 168 82 100 0 0 0 481 93 0 0 0 825 166 0 0 0 0 4426 5895
GRS.WALL AREA GLAZING NORTH EAST SOUTH WEST SKYLT. DOORS NET EXPOSED WALL NET EXPOSED B SMT WALL ABOVE GR EXPOSED CLG NO A TTIC EXPOSED CLG EXPOSED FLOOR BASEMENT/CRAWL HEAT LOSS SLAB ON GRADE HEAT LOSS SUBTOTAL HT LOSS	20.4 20.4 20.4 20.4 35.7 24.1 3.6 1.4 2.3	16.3 41.9 25.3 41.9 102.2 4.7 0.6 0.7 0.7 1.2	0 √37 √37 0 0 346 0 8 0	42 10 420 LOSS 0 755 755 0 0 1061 0 12 0 0	GAIN 0 1551 935 0 0 205 0 6 0				0 0 √37 62 0 20 341 0 8 0	450 LOSS (0 0 0 755 1061 : 1046 0 12 0 0 0 3355 0.36	0 0 935 2179 0 93 202 0 6 0	0 0 /31 0 0 0 109 0	14 10 140 LOSS 0 0 632 0 0 0 334 0 0 0 0 0 0 967	0 0 783 0 0 0 65 0 0	0 0 0 0 0 0 0 0	0 9 0 LOSS G 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	000000000000000000000000000000000000000	12 10 120 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 71 0 0	0 0 0 0 47 53 0 0	100 100 LOSS 0 0 0 0 0 1130 0 0 0 0 1293 0.36	0 0 0 0 219 31 0 0 0	0 0 0 0 0 100 0 0 0	12 10 120 LOSS G 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 93 59 0 0				0 0 6 0 0 0 168 0	29 9 261 LOSS 0 0 122 0 0 0 608 0	0 0 0 251 0 0 0 118 0	L 0 4 4 0 0 0 20 0 228 0 0	978 OSS GAI 0 0 0 82 168 82 100 0 0 0 481 93 0 0 0 825 166 0 0 0 0 4426 5895 52
GRS.WALL AREA GLAZING NORTH EAST SOUTH WEST SKYLT. DOORS NET EXPOSED WALL NET EXPOSED BAMT WALL ABOVE GR EXPOSED CLG NO A TTIC EXPOSED CLG EXPOSED FLOOR BASEMENT/GRAW. HEAT LOSS SLAB ON GRADE HEAT LOSS SUB TOTAL HT GAIN	20.4 20.4 20.4 20.4 35.7 24.1 3.6 1.4 2.3	16.3 41.9 25.3 41.9 102.2 4.7 0.6 0.7 0.7 1.2	0 √37 √37 0 0 346 0 8 0	42 10 420 LOSS 0 755 755 0 0 0 1061 0 12 0 0 0 2583	GAIN 0 1551 935 0 0 205 0 6 0				0 0 √37 52 0 20 341 0 8 0	450 LOSS 0 0 0 755 1061 : 0 481 1046 0 12 0 0 0 0 3355	0 0 935 2179 0 93 202 0 6 0	0 0 /31 0 0 0 109 0 0	140 LOSS 0 0 632 0 0 0 334 0 0 0 0 0 0 967	0 0 783 0 0 0 65 0 0	0 0 0 0 0 0 0 0 154 0 77	0 9 0 LOSS G 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 10 10 10 10 10 10 10 10 10 10 10 10 10	12 10 120 LOSS 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 71 0 0	0 0 0 0 47 53 0 0	100 100 LOSS 0 0 0 0 0 1130 0 0 0 0 0 1293	0 0 0 0 219 31 0 0 0	0 0 0 0 0 100 0 0 0	12 10 120 LOSS G 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 93 59 0 0 0				0 0 6 0 0 0 168 0	29 9 261 LOSS 0 0 122 0 0 0 608 0	0 0 0 251 0 0 0 118 0	L 0 4 4 0 0 0 20 0 228 0 0	978 978 0 0 0 82 166 82 100 0 0 0 481 93 0 0 0 481 93 0 0 0 44426 6895 52.
GRS.WALL AREA GLAZING NORTH EAST SOUTH WEST SKYLT. DOORS NET EXPOSED WALL NET EXPOSED BSMT WALL ABOVE GR EXPOSED CLG NO A TTIC EXPOSED CLG EXPOSED FLOOR BASEMENT/CRAWL HEAT LOSS SLAB ON GRADE HEAT LOSS SUB TOTAL HT GAIN LEVEL FACTOR / MULTIPLIER	20.4 20.4 20.4 20.4 35.7 24.1 3.6 1.4 2.3	16.3 41.9 25.3 41.9 102.2 4.7 0.6 0.7 0.7 1.2	0 √37 √37 0 0 346 0 8 0	420 LOSS 0 755 755 0 0 0 1061 0 12 0 0 0 2583	GAIN 0 1551 935 0 0 205 0 6 0				0 0 √37 52 0 20 341 0 8 0	45 10 450 LOSS 6 0 0 755 1061 1 1046 0 1 12 0 0 0 3355 0 0 0 36 1222	0 0 935 2179 0 93 202 0 6 0	0 0 /31 0 0 0 109 0 0	14 10 140 LOSS 0 0 632 0 0 0 334 0 0 0 0 0 0 967	0 0 783 0 0 0 65 0 0	0 0 0 0 0 0 0 0 154 0 77	0 9 0 LOSS G 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	000000000000000000000000000000000000000	12 10 120 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 71 0 0	0 0 0 0 47 53 0 0	100 100 LOSS 0 0 0 0 0 1130 0 0 0 0 1293 0.36	0 0 0 0 219 31 0 0 0	0 0 0 0 0 100 0 0 0	12 10 120 LOSS G 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 93 59 0 0				0 0 6 0 0 0 168 0	29 9 261 LOSS 0 0 122 0 0 0 608 0	0 0 0 251 0 0 0 118 0	L 0 4 4 0 0 0 20 0 228 0 0	978 OSS GAI 0 0 0 82 168 82 100 0 0 0 481 93 0 0 0 825 166 0 0 0 0 4426 5895 52
GRS.WALL AREA GLAZING NORTH EAST SOUTH WEST SKYLT. DOORS NET EXPOSED WALL NET EXPOSED WALL NET EXPOSED CLG EXPOSED CLG EXPOSED FLOOR BASEMENT/CRAWL HEAT LOSS SUB TOTAL HT LOSS SUB TOTAL HT GAIN LEVEL FACTOR? MULTIPLIER AIR CHANGE HEAT LOSS	20.4 20.4 20.4 20.4 35.7 24.1 3.6 1.4 2.3	16.3 41.9 25.3 41.9 102.2 4.7 0.6 0.7 0.7 1.2	0 √37 √37 0 0 346 0 8 0	420 LOSS 0 755 755 0 0 0 1061 0 12 0 0 0 2583	GAIN 0 1551 935 0 0 0 205 0 6 0 0				0 0 √37 52 0 20 341 0 8 0	45 10 450 LOSS 6 0 0 755 1061 1 1046 0 1 12 0 0 0 3355 0 0 0 36 1222	0 0 935 2179 0 93 202 0 6 0 0	0 0 /31 0 0 0 109 0 0	14 10 140 LOSS 0 0 632 0 0 0 334 0 0 0 0 0 0 967	0 0 783 0 0 0 65 0 0 0	0 0 0 0 0 0 0 0 154 0 77	0 9 0 LOSS G 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 10 10 10 10 10 10 10 10 10 10 10 10 10	12 10 120 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 71 0 0 0	0 0 0 0 47 53 0 0	100 100 LOSS 0 0 0 0 0 1130 0 0 0 0 1293 0.36	0 0 0 0 219 31 0 0 0	0 0 0 0 0 100 0 0 0	12 10 120 LOSS G 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 93 59 0 0 0				0 0 6 0 0 0 168 0	29 9 261 LOSS 0 0 122 0 0 0 608 0	0 0 0 251 0 0 0 118 0	L 0 4 4 0 0 0 20 0 228 0 0	978 978 0 0 0 82 166 82 100 0 0 0 481 93 0 0 0 481 93 0 0 0 44426 6895 52.
GRS.WALL AREA GLAZING NORTH EAST SOUTH WEST SKYLT. DOORS NET EXPOSED WALL NET EXPOSED BANT WALL ABOVE GR EXPOSED CLG NO A TTIC EXPOSED CLG EXPOSED FLOOR BASEMENT/GRAW. HEAT LOSS SLB ON GRADE HEAT LOSS SUB TOTAL HT GAIN LEVEL FACTOR / MULTIPLIER AIR CHANGE HEAT LOSS AIR CHANGE HEAT GAIN DUCT LOSS	20.4 20.4 20.4 20.4 35.7 24.1 3.6 1.4 2.3	16.3 41.9 25.3 41.9 102.2 4.7 0.6 0.7 0.7 1.2	0 √37 √37 0 0 346 0 8 0	42 10 420 LOSS 0 7755 0 0 1061 0 12 0 0 0 2583 0.36 941	GAIN 0 1551 935 0 0 0 205 0 6 0 0				0 0 √37 52 0 20 341 0 8 0	45 10 450 LOSS 0 0 0 755 1061 1046 0 112 0 0 0 3365 1222	0 0 935 2179 0 93 202 0 6 0 0	0 0 /31 0 0 0 109 0 0	14 10 140 LOSS 0 0 632 0 0 0 334 0 0 0 0 0 0 0 0 335 0 0 0 0 0 0 0 0 0 0	0 0 783 0 0 0 65 0 0 0	0 0 0 0 0 0 0 0 154 0 77	0 9 0 LOSS G 0 0 0 0 0 0 0 0 0 180 0 0 0 403 0 0 403 0 0 224 96 60	0 10 10 10 10 10 10 10 10 10 10 10 10 10	12 10 120 LOSS 0 0 0 0 0 0 0 0 0 0 0 20 368 0 0 0 0 0 0 0 0 0 0 0 0 368 30 0.36	0 0 0 0 0 0 71 0 0 0	0 0 0 0 47 53 0 0	10 10 100 LOSS 0 0 0 0 0 0 1130 0 0 0 0 1293	0 0 0 0 219 31 0 0 0	0 0 0 0 0 100 0 0 0	12 10 120 LOSS G 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 93 59 0 0 0				0 0 6 0 0 0 168 0	29 9 261 LOSS 0 0 122 0 0 0 608 0	0 0 0 251 0 0 0 118 0	L 0 4 4 0 0 0 20 0 228 0 0	978 OSS GAI 0 0 0 82 166 82 100 0 0 0 481 93 0 0 0 825 166 0 0 0 4426 5895 527 6086
GRS.WALL AREA GLAZING NORTH EAST SOUTH WEST SKYLT. DOORS NET EXPOSED WALL NET EXPOSED BSMT WALL ABOVE GR EXPOSED CLG NO A TTIC EXPOSED CLG EXPOSED FLOOR BASEMENT/CRAWL HEAT LOSS SLAB ON GRADE HEAT LOSS SUB TOTAL HT GAIN LEVEL FACTOR / MULTIPLIER AIR CHANGE HEAT LOSS AIR CHANGE HEAT GAIN DUCT LOSS DUCT GAIN	20.4 20.4 20.4 20.4 35.7 24.1 3.6 1.4 2.3 2.3	16.3 41.9 25.3 41.9 102.2 4.7 0.6 0.7 0.7 1.2	0 √37 √37 0 0 0 346 0 8 0 0	42 10 420 LOSS 0 7755 0 0 1061 0 12 0 0 0 2583 0.36 941	GAIN 0 1551 935 0 0 205 0 6 0 0				0 0 √37 52 0 20 341 0 8 0	45 10 450 LOSS 0 0 0 755 1061 1 1046 0 12 0 0 3365 1 1222 0	0 0 935 2179 0 93 202 0 6 0 0	0 0 /31 0 0 0 109 0 0 0	14 10 140 LOSS 0 0 632 0 0 0 334 0 0 0 0 0 0 0 0 335 0 0 0 0 0 0 0 0 0 0	0 0 783 0 0 0 65 0 0 0 0	0 0 0 0 0 0 0 0 154 0 77	0 9 0 LOSS G 0 0 0 0 0 0 0 0 0 180 0 0 0 403 0 0 403 0 0 224 96 60	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	12 10 120 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 71 0 0 0	0 0 0 0 47 53 0 0	10 10 100 LOSS 0 0 0 0 0 0 1130 0 0 0 0 1293	0 0 0 0 0 0 219 31 0 0 0	0 0 0 0 0 100 0 0 0	12 10 120 LOSS G 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 93 559 0 0 0 0				0 0 6 0 0 0 168 0	29 9 261 LOSS 0 0 122 0 0 0 608 0	0 0 0 251 0 0 0 118 0	L 0 4 4 0 0 0 20 0 228 0 0	978 OSS GAI 0 0 0 82 168 82 100 0 0 0 481 93 0 0 0 825 160 0 0 0 44426 5895 527 60 0
GRS.WALL AREA GLAZING NORTH EAST SOUTH WEST SKYLT. DOORS NET EXPOSED WALL NET EXPOSED BSMT WALL ABOVE GR EXPOSED CLG NO A TTIC EXPOSED CLG EXPOSED FLOOR BASEMENT/CRAWL HEAT LOSS SLAB ON GRADE HEAT LOSS SUB TOTAL HT GAIN LEVEL FAC TOR / MULTIPLIER AIR CHANGE HEAT LOSS AIR CHANGE HEAT LOSS DUCT GAIN HEAT GAIN PEOPLE	20.4 20.4 20.4 20.4 35.7 24.1 3.6 1.4 2.3	16.3 41.9 25.3 41.9 102.2 4.7 0.6 0.7 0.7 1.2	0 √37 √37 0 0 346 0 8 0	42 10 420 LOSS 0 7755 0 0 1061 0 12 0 0 0 2583 0.36 941	GAIN 0 1551 935 0 0 0 205 0 0 0 0 2696 193 0 0 0				0 0 √37 52 0 20 341 0 8 0	45 10 450 LOSS 0 0 0 755 1061 1 0 481 0 0 0 3365 0 0 0 36 1222 0 0	0 0 935 2179 0 93 202 0 6 0 0	0 0 /31 0 0 0 109 0 0	14 10 140 LOSS 0 0 632 0 0 0 334 0 0 0 0 0 0 0 0 335 0 0 0 0 0 0 0 0 0 0	0 783 0 0 0 665 0 0 0 848	0 0 0 0 0 0 0 0 154 0 77	0 9 0 LOSS G 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	12 10 120 LOSS 0 0 0 0 0 0 0 0 0 0 0 20 368 0 0 0 0 0 0 0 0 0 0 0 0 368 30 0.36	0 0 0 0 0 0 0 71 0 0 0 0 71 5	0 0 0 0 47 53 0 0 0	10 10 100 LOSS 0 0 0 0 0 0 1130 0 0 0 0 1293	0 0 0 0 0 0 219 31 0 0 0 0	0 0 0 0 0 0 100 0 0 0	12 10 120 LOSS G 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 93 355 9 0 0 0 0 0				0 0 6 0 0 0 168 0 0	29 9 261 LOSS 0 0 122 0 0 0 608 0	0 0 0 251 0 0 0 118 0 0	0 4 4 0 0 0 220 0 0 0 228 0 0	9 978
GRS.WALL AREA GLAZING NORTH EAST SOUTH WEST SYUTT. DOORS NET EXPOSED WALL NET EXPOSED BSMI WALL ABOVE GR 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 LOSS DUCT GAIN HEAT GAIN PEOPLE HEAT GAIN APPLIANCES/LIGHTS	20.4 20.4 20.4 20.4 35.7 24.1 3.6 1.4 2.3 2.3	16.3 41.9 25.3 41.9 102.2 4.7 0.6 0.7 0.7 1.2	0 √37 √37 0 0 0 346 0 8 0 0	42 10 420 LOSS 0 7555 7555 0 0 1061 0 0 2583 0.36 941	GAIN 0 1551 935 0 0 205 0 6 0 0				0 0 √37 52 0 20 341 0 8 0 0	45 10 450 LOSS 0 0 0 755 1061 : 0 481 1046 0 12 0 0 0 3365 1222 0	0 0 935 2179 0 93 202 0 6 0 0	0 0 /31 0 0 0 109 0 0 0	14 10 140 LOSS 0 0 632 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 783 0 0 0 65 0 0 0 0	0 0 0 0 0 0 0 0 154 0 77	0 9 0 LOSS G 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	12 10 120 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 71 0 0 0 0	0 0 0 0 47 53 0 0 0	10 10 100 LOSS 0 0 0 0 0 1130 0 0 0 0 1293 0.36 471	0 0 0 0 0 0 219 31 0 0 0 0	0 0 0 0 0 0 100 0 0 0	12 10 120 LOSS G 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 0 6 0 0 0 168 0 0	29 9 261 LOSS 0 0 0 122 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 251 0 0 0 118 0 0 0	0 4 4 0 0 0 220 0 0 0 228 0 0 0	978 OSS GAI 0 0 0 82 166 82 100 0 0 0 0 0 0 481 93 0 0 0 825 166 0 0 0 4426 5895 527 60 0 0 0 0 0 0 0 0 616
GRS.WALL AREA GLAZING NORTH EAST SOUTH WEST SKYLT. DOORS NET EXPOSED WALL NET EXPOSED BSMT WALL ABOVE GR EXPOSED CLG NO A TTIC EXPOSED CLG EXPOSED FLOOR BASEMENT/CRAWL HEAT LOSS SLAB ON GRADE HEAT LOSS SUB TOTAL HT GAIN LEVEL FAC TOR / MULTIPLIER AIR CHANGE HEAT LOSS AIR CHANGE HEAT LOSS DUCT GAIN HEAT GAIN PEOPLE	20.4 20.4 20.4 20.4 35.7 24.1 3.6 1.4 2.3 2.3	16.3 41.9 25.3 41.9 102.2 4.7 0.6 0.7 0.7 1.2	0 √37 √37 0 0 0 346 0 8 0 0	42 10 420 LOSS 0 7755 0 0 1061 0 12 0 0 0 2583 0.36 941	GAIN 0 1551 935 0 0 0 205 0 0 0 0 2696 193 0 0 0				0 0 √37 52 0 20 341 0 8 0 0	45 10 450 LOSS 6 0 0 0 755 1061 : 1046 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 935 2179 0 93 202 0 6 0 0	0 0 /31 0 0 0 109 0 0 0	14 10 140 LOSS 0 0 632 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 783 0 0 0 665 0 0 0 848	0 0 0 0 0 0 0 0 154 0 77	0 9 0 LOSS G 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	12 10 120 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 71 0 0 0 0 71 5	0 0 0 0 47 53 0 0 0	10 10 100 LOSS 0 0 0 0 0 0 1130 0 0 0 0 1293	0 0 0 0 0 0 219 31 0 0 0 0	0 0 0 0 0 0 100 0 0 0 0	12 10 120 LOSS G 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 93 35 9 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0				0 0 6 0 0 0 168 0 0	29 9 261 LOSS 0 0 122 0 0 0 608 0	0 0 0 251 0 0 0 118 0 0 0	0 4 4 0 0 0 220 0 0 0 228 0 0 0	9 978

TOTAL HEAT GAIN BTU/H:

34732

TONS: 2.89

LOSS DUE TO VENTILATION LOAD BTU/H: 2286

STRUCTURAL HEAT LOSS: 37040

TOTAL COMBINED HEAT LOSS BTU/H: 39327

Mhehad Komba. INDIVIDUAL BCIN: 1969



INLET GRILL SIZE

SITE NAME: LECCO RIDGE BUILDER: GREENPARK HOMES TYPE: IVY 12 DATE: Jan-17 GFA: 2404 LO# 71720 furnace pressure 0.6 HEATING CFM 1131 COOLING CFM 1131 fumace filter 0.05 #AMANA AFUE = 96 % TOTAL HEAT LOSS 37,040 TOTAL HEAT GAIN 34.290 0.2 AMEC960603BNA a/c coil pressure INPUT (BTU/H) = 60,000 60 AIR FLOW RATE CFM 30.53 AIR FLOW RATE CFM 32.98 available pressure **FAN SPEED** OUTPUT (BTU/H) = 57,600 0.35 for s/a & r/a LOW **RUN COUNT** 4th 3rd 2nd 1st Bas MEDLOW DESIGN CFM = 1131 0 0 5 plenum pressure s/a 0.18 r/a pressure 0.17 MEDIUM CFM @ .6 " E.S.P. 0 MEDIUM HIGH 0 3 1 max s/a dif press. loss 0.02 r/a grille press. Loss 0.02 All S/A diffusers 4"x10" unless noted otherwise on layout. min adjusted pressure s/a 0.16 adjusted pressure r/a 0.15 HIGH 1131 TEMPERATURE RISE 47 °F All S/A runs 5"Ø unless noted otherwise on layout. RUN# 5 10 11 13 14 15 16 17 18 19 20 22 23 24 BED-3 BATH ROOM NAME MBR ENS BED-2 BED-4 BED-3 MBR OFFICE OFFICE KT/FM KT/FM KT/FM DIN LAUN W/R FOY MUD BAS BAS BAS BAS 1.45 1.45 1.52 RM LOSS MBH 1.11 1.84 1.16 1.45 1.45 1.76 1.76 1.53 1.53 1.53 1.32 0.55 0.50 1.76 1.07 2.46 2.46 2.46 2.46 **CFM PER RUN HEAT** 44 56 44 46 36 44 44 54 47 47 40 34 47 17 15 33 75 75 75 75 RM GAIN MBH 2.34 1.32 2.90 2.47 2.53 0.96 2.47 2.34 2.27 2.27 1.95 1.95 1.95 1.97 1.10 0.10 0.35 1.01 0.41 0.41 0.41 0.41 CFM PER RUN COOLING 96 83 82 77 75 75 43 82 32 64 65 77 64 64 36 3 11 33 13 13 13 13 ADJUSTED PRESSURE 0.17 0.17 0.16 0.16 0.16 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 0.17 0.17 ACTUAL DUCT LGH 43 46 45 51 27 35 51 40 27 35 28 36 38 20 34 23 17 13 32 28 18 15 **EQUIVALENT LENGTH** 130 155 155 170 210 140 180 120 110 110 140 120 130 100 130 175 110 180 130 90 120 110 TOTAL EFFECTIVE LENGTH 173 201 200 221 237 175 231 160 137 145 168 156 168 150 209 123 127 193 162 118 138 125 0.08 ADJUSTED PRESSURE 0.1 0.09 0.07 0.07 0.1 0.07 0.11 0.13 0.12 0.1 0.11 0.1 0.11 0.08 0.14 0.14 0.09 0.11 0.15 0.12 0.14 ROUND DUCT SIZE 5 6 4 5 6 6 6 5 5 5 5 5 5 5 5 5 HEATING VELOCITY (ft/min 323 390 286 224 235 413 224 323 396 396 345 345 345 294 195 172 620 379 551 551 551 551 423 COOLING VELOCITY (ff/min) 565 493 489 418 367 418 565 551 551 470 470 470 477 413 34 126 379 95 95 95 95 3X10 **OUTLET GRILL SIZE** 3X10 4X10 4X10 4X10 3X10 4X10 3X10 TRUNK ח B D RUN# ROOM NAME BAS RM LOSS MBH. 2.46 CFM PER RUN HEAT 75 RM GAIN MBH 0.41 CFM PER RUN COOLING 13 ADJUSTED PRESSURE 0.17 ACTUAL DUCT LGH 29 EQUIVALENT LENGTH 100 RECEIVED TOTAL EFFECTIVE LENGTH 129 TOWN OF MILTON ADJUSTED PRESSURE 0.13 MAR 29, 2017 ROUND DUCT SIZE HEATING VELOCITY (ft/min) 551 IVY 12F COOLING VELOCITY (ft/min) 95 **OUTLET GRILL SIZE** 3X10 **BUILDING DIVISION** TRUNK SUPPLY AIR TRUNK SIZE RETURN AIR TRUNK SIZE TRUNK STATIC ROUND RECT VELOCITY TRUNK STATIC ROUND RECT VELOCITY TRUNK STATIC RECT ROUND VELOCITY PRESS. (fVmin) PRESS DUCT (ft/min) CFM PRESS DUCT DUCT (ft/min) TRUNK A 247 0.09 8.1 556 TRUNK G n 0.00 n n 0 TRUNK O 0 0.06 0 0 TRUNK B 528 0.09 10.7 14 8 679 TRUNK H 0 0.00 0 0 8 0 TRUNK P 0 0.06 0 0 Х O TRUNK C 271 0.07 8.9 10 488 TRUNK I 0 0.00 0 TRUNK Q 0 0.06 0 8 0 X TRUNK D 603 0.07 12 16 8 678 TRUNK J 0 0.00 0 0 8 0 TRUNK R 0 0.06 0 0 TRUNK E 0.00 0 TRUNK K 0 0.00 0 0 x TRUNK S 0.06 n 0.00 0 TRUNK F TRUNK L 0.00 TRUNK T 0.06 0 TRUNK U 0 0.06 n TRUNK V RETURN AIR # 6 BR TRUNK W 0.06 0 0 0 0 0 0 0 0 0 Ω TRUNK X 826 0.06 14 22 676 150 155 AIR VOLUME 140 140 80 150 160 0 0 0 n 0 0 0 0 156 TRUNK Y 305 0.06 9.7 12 458 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 7 430 0.06 553 11 14 8 ACTUAL DUCT LGH. 44 27 42 51 50 24 31 14 DROP 1131 0.06 15.8 679 EQUIVALENT LENGTH 185 185 145 225 150 230 135 0 0 0 0 0 0 0 0 135 TOTAL EFFECTIVE LH 229 267 236 200 257 159 176 149 ADJUSTED PRESSURE 0.06 0.06 0.06 0.07 0.06 0.09 0.08 14.80 14.80 14.80 14.80 14.80 14.80 14.80 14.80 0.10 7.2 7.2 5.9 7.4 ROUND DUCT SIZE 7.1 6.9 0 Λ 6.6 n 0 n INLET GRILL SIZE 8 8 8 8 8 8 8 0 0 0 0 0 0 0 0 8 Х Х Х Х Х Х Х Х Х Х Х Х Х



TYPE: SITE NAME: IVY 12

LECCO RIDGE

LO# 71720

RESIDENTIAL MECHANICAL VENTILATION DESIGN SUMMARY

COMBUSTION APPLIANCES	9.32.3.1(1)	SUPPLEMENTAL VENTILATION	ON CAPACITY		9.32.3.5.			
a) Virect vent (sealed combustion) only		Total Ventilation Capacity	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 Supplemental Capacity 83.6						
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 I	LOSS CALCULATION	FACTOR	% LOSS			
		86.0 CFM X	72 F X	1.08				
Electric Space Heat		SUPPLEMENTAL FANS		NUTONE				
		Location	Model	cfm H				
HOUSE TYPE	9.32.1(2)	ENS BATH	QTXEN050C QTXEN050C	50 v				
I Type a) or b) appliance only, no solid fuel		BATT	QTXEN030C	30 7	0.3			
II Type I except with solid fuel (including fireplaces)		W/R	QTXEN050C	50 ✓	0.3			
III Any Type c) appliance		HEAT RECOVERY VENTILATO Model:	OR VANEE 40H+		9.32.3.11.			
IV Type I, or II with electric space heat		86	cfm high	37	cfm low			
Type I, of II with electric space near		66 % S	ensible Efficiency	~	HVI Approved			
Other: Type I, II or IV no forced air		@ 3	2 deg F (0 deg C)					
		LOCATION OF INSTALLATION	N	DEC	FIVED			
SYSTEM DESIGN OPTIONS O	.N.H.W.P.	Lot:	c	TOWAL	EIVED OF MILTON			
1 Exhaust only/Forced Air System		Township	P	MAR	29, 2017			
2 HRV with Ducting/Forced Air System				- IV	Y 12F			
3 HRV Simplified/connected to forced air system		Address		BUILDIN	G DIVISION			
4 HRV with Ducting/non forced air system		Roll#	ΡΙ ΔΝΝΙΝ		F MILTON ELOPMENT			
Part 6 Design		BUILDER: GR	MILION	IVY	12F MODEL			
		Name:	BUILDING: REV SCOTT SHERRI		APR 7, 2017			
TOTAL VENTILATION CAPACITY 9	9.32.3.3(1)	Address:	PLANS EXAMINER		DATE			
Basement + Master Bedroom 2 @ 21.2 cfm 42.4	cfm	City:	Neither the issuance of inspections by the Tow full responsibility for co	n of Milton relive	s the owner from			
Other Bedrooms 3 @ 10.6 cfm 31.8	cfm	Telephone #:	the Ontario Building Co Code, both as amende	ode Act and the (ed, as well as oth	Ontario Building er applicable			
Kitchen & Bathrooms4 @ 10.6 cfm42.4	cfm	INSTALLING CONTRACTOR	statutes and regulation By-laws of the Region	s of the Province of Halton and To	e on Ontario, wn of Milton			
Other Rooms <u>5</u> @ 10.6 cfm <u>53.0</u>	cfm	Name:	****					
Table 9.32.3.A. TOTAL <u>169.6</u>	cfm	Address:						
		City:						
PRINCIPAL VENTILATION CAPACITY REQUIRED 9.	.32.3.4.(1)	Telephone #:		ax #:				
1 Bedroom 31.8 cfm				ax #.				
2 Bedroom 47.7 cfm		DESIGNER CERTIFICATION I hereby certify that this ventilatile	on system has been design	ned				
3 Bedroom 63.6 cfm		in accordance with the Ontario E	•	g.13 u				
4 Bedroom 79.5 cfm		Signature:	nd 1 1	1001				
5 Bedroom 95.4 cfm		HRAI #	III (school)	Offante. 001820				
•								
More than 5 - Part 6 TOTAL 79.5 cfm I REVIEW AND TAKE RESPONIBILITY FOR THE DESIGN WORK AND AM QUALIF	ED IN THE APPR	Date: OPRIATE CATEGORY AS AN "OTHER DESI		nuary-17 .5 OF THE BUILDING	CODE			

INDIVIDUAL BCIN: 19669

MICHAEL O'ROURKE





375 Finley Ave. Suite 202 Ajax, ON L1S 2E2 Tel: 905.619.2300 Fax: 905.619.2375

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

HEAT LOSS AND GAIN SUMMARY SHEET

MODEL:	IVY 12		BUILDER: GREENPARK HOMES			
SFQT:	2404	LO# 71720	SITE: LECCO RIDGE			
DESIGN A	SSUMPTIONS					
HEATING		°F	COOLING	°F		
	R DESIGN TEMP.	0	OUTDOOR DESIGN TEMP.	86		
INDOOR D	ESIGN TEMP.	72	INDOOR DESIGN TEMP. (MAX 75°F)	72		
BUILDING	DATA					
ATTACHM	ENT:	ATTACHED	# OF STORIES (+BASEMENT):	3		
FRONT FA	CES:	EAST	ASSUMED (Y/N):	Υ		
AIR CHANG	GES PER HOUR:	3	ASSUMED (Y/N):	Υ		
AIR TIGHT	NESS CATEGORY:	TIGHT	ASSUMED (Y/N):	Υ		
WIND EXP	OSURE:	SHELTERED	ASSUMED (Y/N):	Υ		
HOUSE VC	DLUME (ft³):	32656.0	ASSUMED (Y/N):	Υ		
INTERNAL	SHADING:	BLINDS/CURTAINS	ASSUMED OCCUPANTS:	5		
INTERIOR	LIGHTING LOAD (Btu/l	n/ft²): 1.75	DC BRUSHLESS MOTOR (Y/N):	Υ		
FOUNDAT	ION CONFIGURATION	BCIN_1	DEPTH BELOW GRADE:	6.0 ft		
LENGTH:	55.0 ft	WIDTH: 26.0 ft	EXPOSED PERIMETER:	134.0 ft		

2012 OBC - COMPLIANCE PACKAGE			
		Compliance	Package
Component	ENERG	YSTAR	
		Nominal	
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+3.6		
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)-Val	ue	10	
Heated Slab or Slab ≤ 600 mm below grade Minimum RSI (R)-Value	RECEIVED	10	
Windows and Sliding Glass Doors Maximum U-Value	TOWN OF MILTON	ZONE 2	
Skylights Maximum U-Value	ZONE 2		
Space Heating Equipment Minimum AFUE	IVY 12F	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 o	conductivity: dry dand, loam, clay
Water Table:	Normal (7-10 m, 23-33 ft)
	Foundatio	n Dimensions
Floor Length (m):	16.8	
Floor Width (m):	7.9	
Exposed Perimeter (m):	40.8	
Wall Height (m):	2.7	
Depth Below Grade (m):	1.83	Insulation Configuration
Window Area (m²):	1.3	
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):		1297

TYPE: IVY 12 **LO#** 71720

RECEIVED TOWN OF MILTON MAR 29, 2017 IVY 12F BUILDING DIVISION



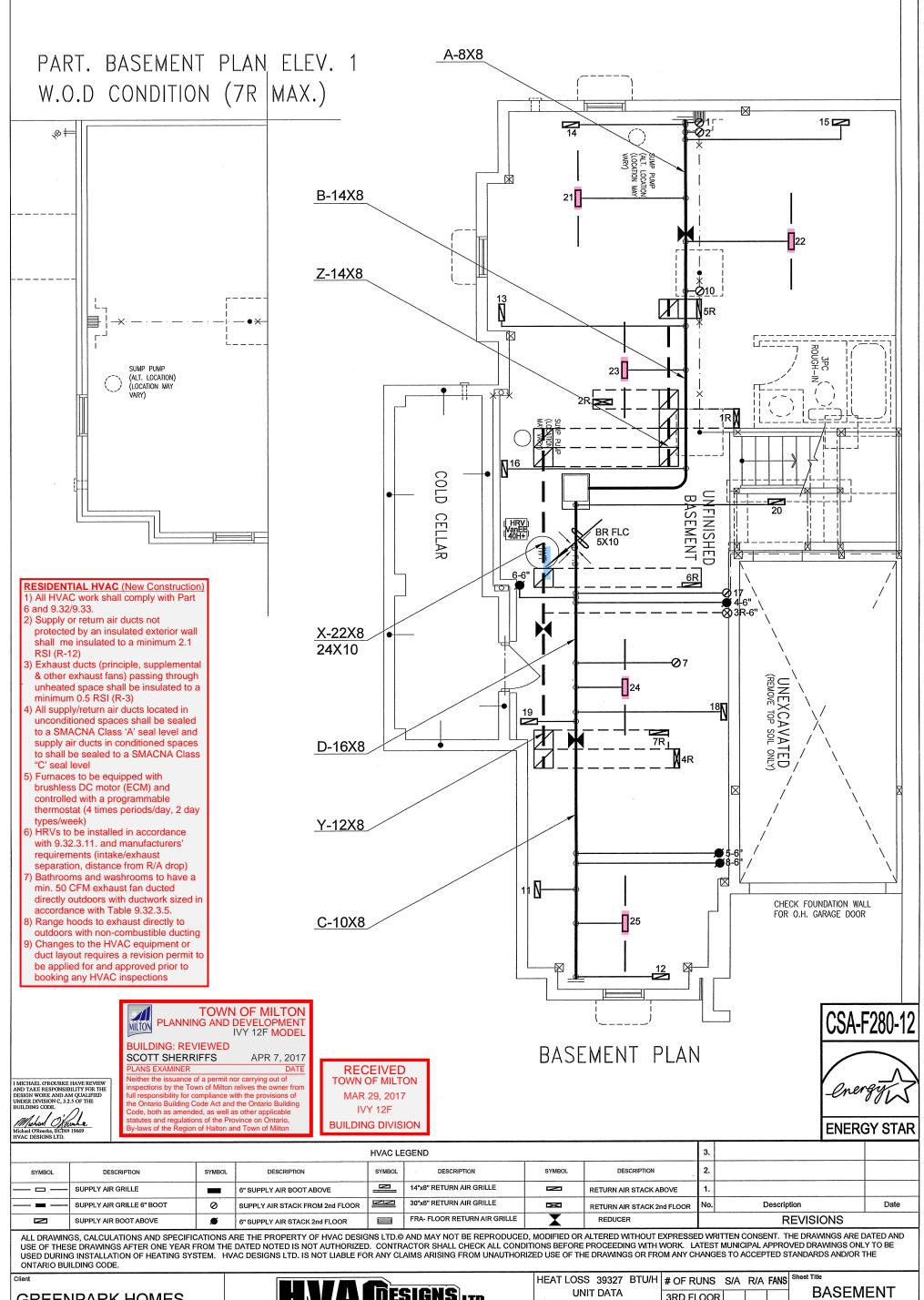
Air Infiltration Residential Load Calculator

Supplemental tool for CAN/CSA-F280

Weather S	tion Description		
Province:	Ontario		
Region:	Milton		
Weather Station Location:	Open flat terrain,	grass	
Anemometer height (m):	10		
Loc	Shielding		
Building Site:	Suburban, forest		
Walls:	Heavy		
Flue:	Heavy		
Highest Ceiling Height (m):	6.71		
Building	Configuration		
Туре:	Semi		
Number of Stories:	Two		
Foundation:	Full		
House Volume (m³):	924.7		
Air Leak	e/Ventilation		
Air Tightness Type:	Energy Star Attach	ned (3.0	ACH)
Custom BDT Data:	ELA @ 10 Pa.		1035.9 cm ²
	3.00		ACH @ 50 Pa
Mechanical Ventilation (L/s):	Total Supply		Total Exhaust
	40.6		40.6
	e Size		
Flue #:	#1 #2 #3	#4	
Diameter (mm):	0 0 0	0	
Natural I	iltration Rates		
Heating Air Leakage Rate (ACH	i): 0.26	8	
Cooling Air Leakage Rate (ACH): 0.0 9	0	

TYPE: IVY 12 **LO#** 71720

RECEIVED TOWN OF MILTON MAR 29, 2017 IVY 12F BUILDING DIVISION



GREENPARK HOMES

LECCO RIDGE MILTON, ONTARIO

DESIGNS LTD.

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

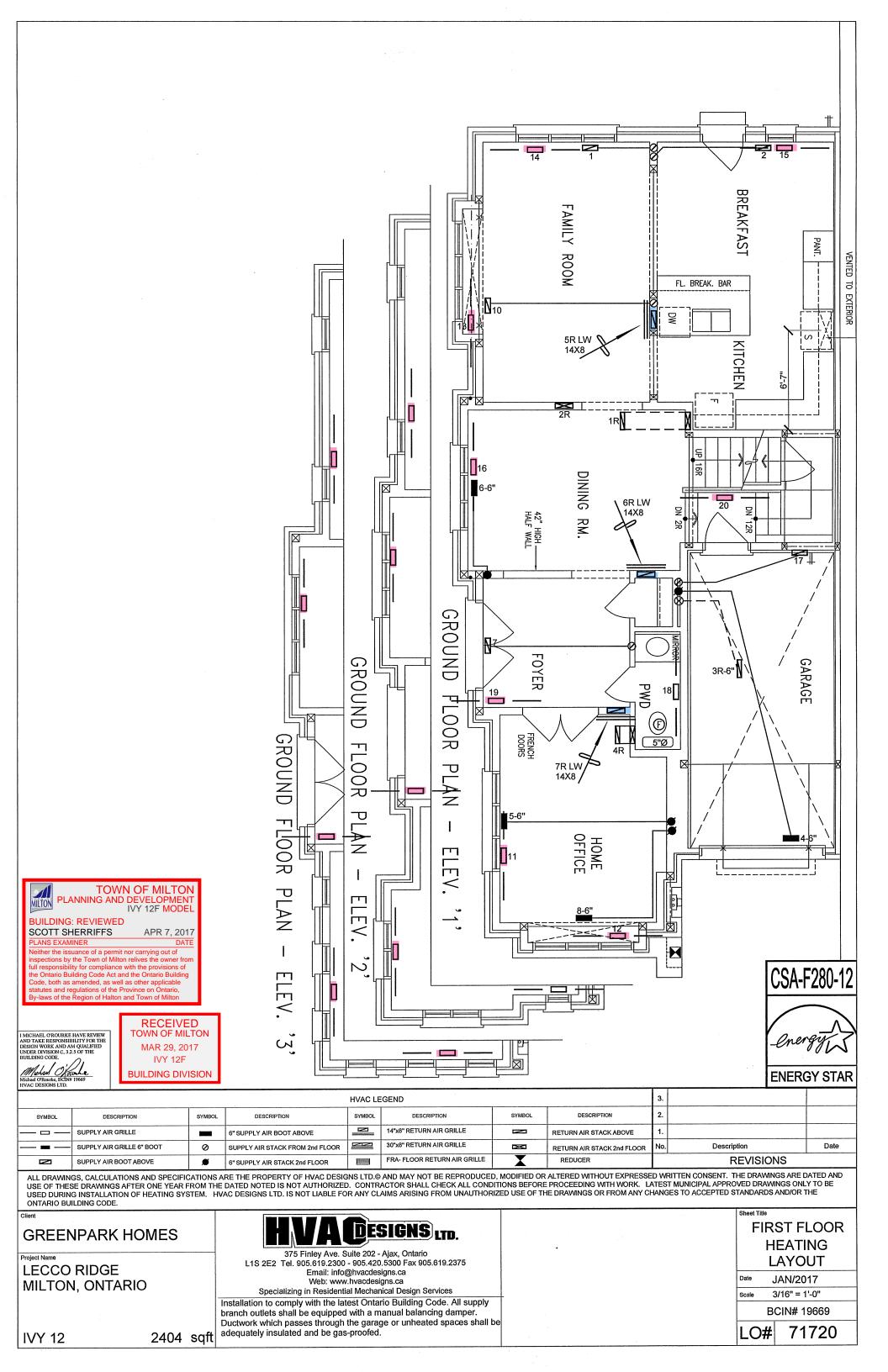
adequately insulated and be gas-proofed.

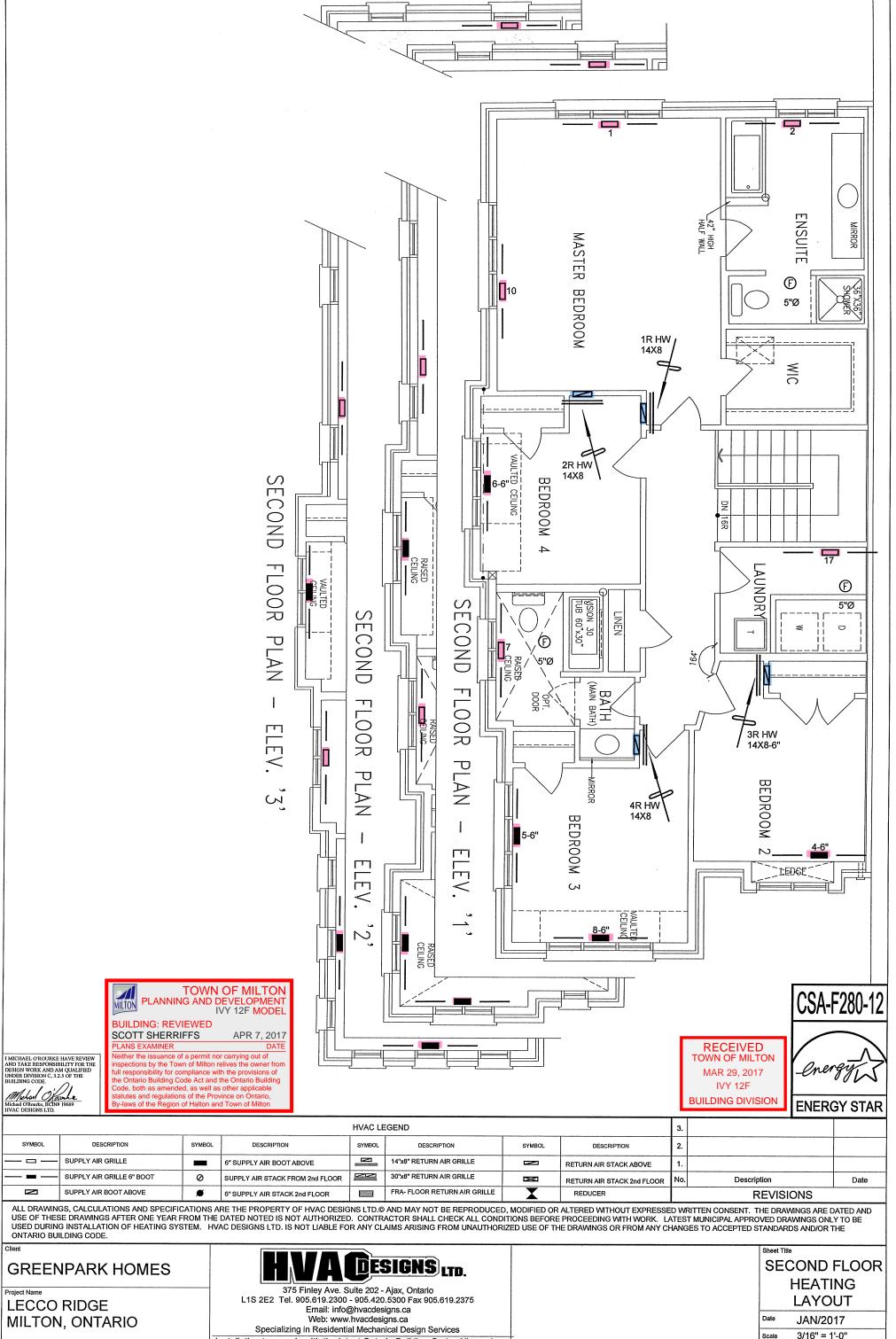
Specializing in Residential Mechanical Design Services Installation to comply with the latest Ontario Building Code. All supply branch outlets shall be equipped with a manual balancing damper.

Ductwork which passes through the garage or unheated spaces shall be

		SS 39327	BTU/H	# OF RUNS	S/A	R/A	FANS	Sheet Title	OFMENIT		
	4.1	NIT DATA		3RD FLOOR				BA	SEMENT		
	MAKE	AMANA		2ND FLOOR	9	4	3	Н	EATING		
	MODEL AMEC9	60603BNA	-60	1ST FLOOR	9	3	2	L	.AYOUT		
	INPUT	60	MBTU/H	BASEMENT	5	1	0	Date	JAN/2017		
	-OUTPUT		MBTU/H	ALL S/A DIFFUS	SERS	4 "x10		Scale 3	3/16" = 1'-0"		
	COOLING TONS			UNLESS NOTE				BCIN# 19669			
9				UNLESS NOTE					74700		
	FAN SPEED	1131	cfm @ 0.6" w.c.	ON LAYOUT. U DOORS 1" min.				LO#	71720		

IVY 12 2404 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.

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

71720

IVY 12

2404 sqft