

	SITE NAME:									OT 322								May-17					RNATI							HEAT LOS					CSA-F26	
,	BUILDER:	GREEN	PARK I						YPE: J	IUNIPER 9			GFA:	·				74048					RNAT		~~~~~	ANGE		0.105		HEATGA	N ΔT°F.	. 14		E	NERGYS	TAR
	ROOM USE				MBR			ENS				BED-2	!		BED-3	١		BED-4	- 1		BATH		1	BED-6			ENS-4			ENS-2	1					- 1
	EXP. WALL		- 1		36			26	- 1			16			33			38	- 1		7			14			16			9	1					1
	CLG. HT.				10			9	- 1			9			10	1		10	I		9			9			9			9	-					1
- 1		FACTO														- 1															1					- 1
-		LOSS	GAIN		360			252				135			330			360			63			126			144			61						
	GLAZING		- 1		LOSS C	,	1	LOSS G				LOSS			LOSS			LOSS			LOGS		1	LOSS			LOSS		1	LOSS GAI	1					- 1
1	NORTH	17.9	16.8	0	0	0	9	161	143		16	268	238	0	0	0	0	0	0	7	125	111	0	0	0	0	0	0	0	0 0	1					- 1
l	EAST	17.9	41.4	0	0	0	0	0	0		0	0	0	48	657	1988	36		1491	0	0	0	0	0	0	11	196	468	0	0 0	1					- 1
1	SOUTH	17.9	24.8	0	0	0	0	0	0		0	0	0	0	0	0	17	303	421	0	0	0	13	232	322	0	0	0	7	125 17	1					- 1
1	WEST	17.9	41.4	34	607	1406	18	321	748		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 0	- 1					- 1
1	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	0	0 0	- 1					- 1
ļ	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	0	0 0	,					- 1
- 1	NET EXPOSED WALL	2.6	0.6	326	653	165	226	589	114		120	314	61	262	738	143	327	856	165	66	147	26	113	296	67	133	348	67	74	194 37	1					ļ
'	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	0	0 0	1					1
	EXPOSED CLG	1.4	0.7	316	434	216	169	219	109		268	366	182	233	321	160	261	360	179	147	203	101	216	296	148	114	157	78	160	246 12						1
	NO ATTIC EXPOSED CLG	2.2	1.1	0	0	0	28	63	31		0	0	0	18	40	20	30	67	33	0	0	0	0	0	0	0	0	0	0	0 0		•				- 1
	· EXPOSEO FLOOR	2.2	0.4	0	0	0	0	0	0		0	0	0	251	550	106	0	0	0	111	243	47	0	0	0	0	0	0	0	0 0						1
- 1	ASEMENT/CRAWL HEAT LOSS				0	1		0			- 1	0			0			0			0		1	0			0			0						ı
	SLAB ON GRADE HEAT LOSS				0			0			1	0		1	0			0	- 1		. 0			0			0			0						- 1
	SUBTOTAL HT LOSS				1894	1		1353				947			2507			2229			717		1	825			701			567				İ		- 1
- 1	SUB TOTAL HT GAIN					1769			142		1		480	1		2417			2290			267	1		627			601		33	4					- 1
1	LEVEL FACTOR / MULTIPLIER			0.20			0.20				0.2			0.20	0.32		0.20		1	0.20			0.20			0.20	0.32		0.20	0.32						,
- 1	AIR CHANGE HEAT LOSS		- 1		611	1		437	1			308		t	609			719			232			268			226			183						- 1
ı	AIR CHANGE HEAT GAIN					160			102				43	l		216			204			26			47			54		30)			l		- 1
	OUCTLOSS				0	i		0	- 1			0		l	332			0	- 1		96			0			0	_		0						- 1
- 1	DUCTGAIN		1			0			0				0	1		371			0			31			0			0		0	-					- 1
- 1	HEAT GAIN PEOPLE	240	1	2		480	0		0		1		240	1		240	1		240	0		0	1		240	0		0	0	0	- 1					- 1
	HEAT GAIN APPLIANCES/LIGHTS		- 1			840			0		- 1		840			840			840			0	l		840			0		0	1					- 1
	TOTAL HT LOSS BTUIH		.		2505			1789				1252		1	3847			2948			1044		ł	1092			928			749	_					- 1
L_	TOTAL HT GAIN x 1.3 BTU/H					4249		1	617				2064	Ь		6309			4647			447	L		2151			661	<u> </u>	47	3			L		
	ROOM USE				LV/DN			OFF		KT/FM				Т	LAUN	· ·		W/R			FOY		Γ						T		T	WOO		<u> </u>	BAS	\neg
	EXP. WALL		1		21			37		76					21			10			33											36		l	196	1
- 1	CLG, HT.		- 1		10			10	- 1	10					11			10			10											10			10	- 1
		FACTO	RS		••														- 1												1					- 1
	GRS.WALL AREA				210			370		760				l							330											361			1388	- 1
	GLAZING														231			100											ł				GAIN		LOSS G	GAIN
	NORTH		- 1			GAIN			AIN	LOSS G	AIN					GAIN			GAIN			GAIN							1			LOSS				
		17.9		0	LOSS	- 1	0	LOSS G	AIN	LOSS	SAIN D			9		GAIN 143	0	100 LOSS	GAIN 0	0		GAIN 0									0	LOSS	0	15		238
	EAST		15.8		LOSS (GAIN 0 0	0	LOSS G	0		1			9	LOSS	1	0	Loss	- 1	0	Loss									= 0.	- 0		0	15 0		238
	1	17.9	15.8 41.4	0	LOSS (0 0	0		LOSS G		0 0	0			1 -	LOSS 161	143	-	LOSS	0		LOSS 0	0	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1						IILTON	0 0	0	-	1	268	
	EAST	17.9 17.9	15.8	0	LOSS (0	0 39	LOSS G 0 696 1	0 616	0 0 0 0 0 0	0			0	LOSS 161 0	143 0	0	LOSS 0 0	0	0 20	LOSS 0 367	0 828	A	A P		NIN	3 ANI	DE	VELC	DPMENT	0 0	0	0	1	268	0
	EAST 6OUTH	17.9 17.9	15.8 41.4 24.8	0 0 36	0 0 678	0 0 941	0 39 0	0 696 1 0	0 616 0	0 0 0 0 0 0	0 0			0	LOSS 161 0 0	143 0 0	0	LOSS 0 0 0	0	0 20 0	LOSS 0 367 0	0 828 0	MILT	ON P		NIN	3 ANI	DE	VELC		0	0 0	0	0	268 : 0 0	0
	EAST 60UTH WEST	17.9 17.9 17.9	15.8 41.4 24.8 41.4	0 0 38 0	0 0 0 678 0	0 0 941 0	0 39 0	0 696 1 0 0	0 616 0 0	0 0 0 0 0 0 106 1674 4	0 0 0 1349			0 0	LOSS 161 0 0	143 0 0 0	0	0 0 0 0	0 0 0	0 20 0 0	LOSS 0 367 0 0	0 828 0 0		UN	В	NIN(UILD	3 ANI	DE PERM	VELC	DPMENT	0	0 0 0	0	0 0 0	268 : 0 0 0 0	0 0
	EAST 60UTH WEST SKYLT.	17.9 17.9 17.9 30.6	15.8 41.4 24.8 41.4 101.2	0 0 36 0	0 0 678 0	0 0 941 0	0 39 0 0	0 696 1 0 0 0	0 616 0 0	0 0 0 0 0 0 106 1674 4 0 0	0 0 0 1349 0			0 0 0	LOSS 161 0 0 0	143 0 0 0 0	0 0	LOSS 0 0 0 0 0 0 0 0	0 0 0 0	0 20 0 0	LOSS 0 367 0 0	0 828 0 0	BU	UN	B NG: F	NINC UILD REVII	S ANI ING I EWEI	D DE PERM D	VELC MIT: 1	OPMENT 7-7104	0 0 0	0 0 0 0	0	0 0 0	268 : 0 0 0 0	0 0 0
	EAST 60UTH WEST SKYLT. DOORS	17.9 17.9 17.9 30.6 24.1	15.8 41.4 24.8 41.4 101.2 4.7	0 0 38 0 0	0 0 678 0 0	0 941 0 0 0	0 39 0 0 0	0 696 1 0 0 0	0 616 0 0 0	0 0 0 0 0 0 106 1674 4 0 0	0 0 0 1349 0			0 0 0 0 20	LOSS 161 0 0 0 481	143 0 0 0 0 0 93	0 0 0	LOSS 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0	0 20 0 0 0 20	LOSS 0 367 0 0 0 481	0 828 0 0 0 93	BUI SC		B NG: F SHE	NINC UILD REVII RRIF	S ANI ING I EWEI	D DE PERM D	VELC MIT: 1	DPMENT	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 20	268 : 0 0 0 0 0 0 481 0	0 0 0 0 93
	EAST 6OUTH WEST SKYLT. DOORS NET EXPOSED WALL	17.9 17.9 17.9 30.6 24.1 2.6	15.8 41.4 24.8 41.4 101.2 4.7 0.6	0 0 38 0 0 0	0 0 678 0 0 0 450	0 941 0 0 0 0	0 39 0 0 0 0 331	LOSS 6 696 1 0 0 0 0 0	0 616 0 0 0 0 0	0 0 0 0 0 0 106 1674 4 0 0 0 0 645 1666	0 0 1349 0 0			0 0 0 0 20 202	LOSS 161 0 0 0 0 481 629	143 0 0 0 0 0 93 102	0 0 0 0 0 0	0 0 0 0 0 0 0 0 262	0 0 0 0 0 0	0 20 0 0 0 20 290	LOSS 0 367 0 0 0 481 769	0 828 0 0 0 93	BUI SCO PLAI	ILDIN OTT NS EX	B NG: F SHE (AMINI	NINC UILD REVII RRIF	S ANI SING I EWEI	D DE PERM D	VELC MIT: 1 JUN	7-7104 13, 2017	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 20	268 : 0 0 0 0 0 0 481 0	0 0 0 0 93
	EAST 6 OUTH WEST SKYLT. DOORS NET EXPOSED WALL NET EXPOSED BSMT WALL ABOVE GR	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 0.6 0.6	0 0 38 0 0 0 172	LOSS 6 0 678 0 0 0 450	0 941 0 0 0 67	0 39 0 0 0 0 0 331	LOSS 0 696 1 0 0 0 0 866	0 616 0 0 0 0 167	0 0 0 0 0 106 1674 4 0 0 0 645 1666 0 0	0 0 1349 0 0 326			0 0 0 0 20 202 0	LOSS 161 0 0 0 0 481 629	143 0 0 0 0 93 102 0	0 0 0 0 0 0 100	LOSS 0 0 0 0 0 0 262 0	0 0 0 0 0 0 51	0 20 0 0 0 20 290	LOSS 0 367 0 0 0 481 769	0 828 0 0 0 93 147	BUI SCO PLAI Neith inspe	ILDIN OTT NS EX ner the	NG: F SHE (AMINI issuar by the	NINC UILD REVII RRIF ER nce of Town	EWEI	D DEPERMO	VELC MIT: 1 JUN arrying yes the	7-7104 13, 2017 DATE out of owner from	0 0 0 0 0 0 226	0 0 0 0 0 0 0 761	0 0 0 0 0 0	0 0 0 0 20 0 474	268 0 0 0 0 481 0	0 0 0 0 93 0
	EAST 60UTH WEST SKYLT. DOORS NET EXPOSED WALL NET EXPOSED WALL EXPOSED CLG	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 0.6 0.6 0.7	0 0 36 0 0 0 172 0	LOSS 6 0 0 678 0 0 0 450 0	0 941 0 0 0 67 0	0 39 0 0 0 0 331 0	O 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 616 0 0 0 0 167	0 0 0 0 0 0 1064 4 0 0 0 0 645 1686 0 0 10 14	0 0 1349 0 0 326			0 0 0 0 20 202 0	LOSS 161 0 0 0 0 481 629 0	143 0 0 0 0 93 102 0	0 0 0 0 0 100 0	LOSS 0 0 0 0 0 0 0 262 0 0 0	0 0 0 0 0 51 0	0 20 0 0 0 20 290 0	LOSS 0 367 0 0 481 769 0	0 828 0 0 0 93 147 0	BUI SCO PLAI Neith inspe	ILDIN OTT NS EX ner the ections espons	NG: F SHE (AMINI issuar by the sibility t	NINC UILD REVII RRIF ER nce of Town for con	EWEI FFS a permi	D DEPERMO	JUN arrying yes the he prov	7-7104 13, 2017 DATE out of owner from visions of	0 0 0 0 0 0 226	0 0 0 0 0 0 0 761	0 0 0 0 0 0 147	0 0 0 0 20 0 474 0	268 0 0 0 0 481 0 1582	0 0 0 93 0 306
	EAST 60UTH WEST SKYLT. DOORS NET EXPOSED WALL NET EXPOSED BIMT WALL ABOVE GR EXPOSED CLG NO ATTIC EXPOSEO CLG	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 0.6 0.6 0.7 1.1	0 0 36 0 0 0 172 0	LOSS (0 0 678 0 0 0 450 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 941 0 0 0 67 0	0 39 0 0 0 0 331 0	LOSS 0 0 696 1 0 0 0 0 866 0	0 616 0 0 0 0 167 0	0 0 0 0 0 1064 4 0 0 0 110 114 0 0	0 0 1349 0 0 326 0 7			0 0 0 20 202 0 0	LOSS 161 0 0 0 481 629 0	143 0 0 0 0 93 102 0	0 0 0 0 0 100 0	LOSS 0 0 0 0 0 0 262 0 0 0	0 0 0 0 0 51 0	0 20 0 0 0 20 290 0 0	LOSS 0 367 0 0 481 769 0	0 828 0 0 0 93 147 0	BUI SCO PLAI Neith insper full re	ILDIN OTT NS EX ner the ections espons Ontario	NG: F SHE AMINI issuar by the sibility to Buildi	REVII RRIF ER nce of a Town for conning Coo	G ANI DING I EWEI FFS a permin of Millon npliance de Act a	t nor ca	JUN arrying res the he prove Ontari	7-7104 13, 2017 DATE out of owner from visions of o Building	0 0 0 0 0 0 226	0 0 0 0 0 0 0 761	0 0 0 0 0 0 147 0	0 0 0 0 20 0 474 0	268 0 0 0 0 481 0 1582 0	0 0 0 93 0 306 0
ВА	EAST 60UTH WEST SKYLT. DOORS NET EXPOSED WALL NET EXPOSED BSMT WALL ABOVE GR EXPOSED CLG NO A TTIC EXPOSEO CLG EXPOSEO FLOOR	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 0.6 0.6 0.7 1.1	0 0 36 0 0 0 172 0	LOSS 6 0 0 678 0 0 450 0 0	0 941 0 0 0 67 0	0 39 0 0 0 0 331 0	LOSS 0 0 696 1 0 0 0 0 866 0	0 616 0 0 0 0 167 0	0 0 0 0 0 0 106 1674 4 0 0 0 0 14 0 0 0 0 0 14 0 0 0 0 0 0	0 0 1349 0 0 326 0 7			0 0 0 20 202 0 0	LOSS 161 0 0 0 0 481 629 0 0	143 0 0 0 0 93 102 0	0 0 0 0 0 100 0	LOSS 0 0 0 0 0 0 262 0 0 0	0 0 0 0 0 51 0	0 20 0 0 0 20 290 0 0	LOSS 0 367 0 0 481 769 0 0	0 828 0 0 0 93 147 0	BUI SCO PLAI Neith insper full re the C	ILDIN OTT NS EX ner the ections espons Ontario e, both	B NG: F SHE (AMINI issuar is by the sibility to Building as am	NINC UILD REVII RRIF ER nce of Town for conning Con ended	G ANI FING I EWEL FFS a permin of Milton ppliance de Act a I, as we	t nor con relive with the land the last other last othe	JUN arrying yes the he provious Ontariher app	7-7104 13, 2017 DATE out of owner from visions of o Building blicable	0 0 0 0 0 0 226	0 0 0 0 0 0 0 761	0 0 0 0 0 0 147 0	0 0 0 0 20 0 474 0	268 : 0 0 0 0 481 0 1582 0 0 0	0 0 0 93 0 306 0
ВА	EAST 60UTH WEST SKYLT. DOORS NET EXPOSED WALL NET EXPOSED B SMT WALL ABOVE GR EXPOSED CLG NO ATTIC EXPOSEO CLG EXPOSEO FLOOR SEMENT/CRAWL HEAT LOSS	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 0.6 0.6 0.7 1.1	0 0 36 0 0 0 172 0	LOSS (0 0 0 678 0 0 0 450 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 941 0 0 0 67 0	0 39 0 0 0 0 331 0	LOSS 0 0 696 1 0 0 0 0 866 0	0 616 0 0 0 0 167 0	0 0 0 0 0 0 106 1674 4 0 0 0 0 0 0 10 14 0 0 0 0 0 0 0 0 0	0 0 1349 0 0 326 0 7			0 0 0 20 202 0 0	LOSS 161 0 0 0 481 629 0 0	143 0 0 0 0 93 102 0 0	0 0 0 0 0 100 0	LOSS 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 51 0	0 20 0 0 0 20 290 0 0	LOSS 0 367 0 0 481 769 0 0	0 828 0 0 0 93 147 0	BUI SCO PLAI Neith inspe full re the C Code statu	ILDIN OTT NS EX ner the ections espons Ontario e, both ites and	B NG: F SHE (AMINI issuar s by the sibility to Building as am d regu	NINC UILD REVII RRIF ER nce of Town for con- ing Code ended	G ANI DING I EWEI FFS a permin of Millon npliance de Act a	t nor con relive with the relation of the the relation the relationship to the relatio	JUN arrying res the he prove Ontariher appee on Co	DPMENT 7-7104 13, 2017 DATE out of owner from visions of o Building olicable ontario,	0 0 0 0 0 0 226	0 0 0 0 0 0 0 761 0	0 0 0 0 0 0 147 0	0 0 0 0 20 0 474 0	268 : 0 0 0 0 481 0 1582 0 0 0 6762 9083	0 0 0 93 0 306 0
ВА	EAST 60UTH WEST SKYLT. DOORS NET EXPOSED WALL NET EXPOSED BANT WALL ABOVE GR EXPOSED CLG NO ATTIC EXPOSEO CLG EXPOSEO FLOOR ASEMENTICRAWL 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	15.8 41.4 24.8 41.4 101.2 4.7 0.6 0.6 0.7 1.1	0 0 36 0 0 0 172 0	LOSS (0 0 0 678 0 0 0 450 0 0 0 0 0 0 0 0 1128	0 941 0 0 0 67 0	0 39 0 0 0 0 331 0	LOSS 6 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 616 0 0 0 0 167 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 1349 0 0 326 0 7			0 0 0 20 202 0 0	LOSS 161 0 0 0 481 629 0 0 0	143 0 0 0 0 93 102 0 0	0 0 0 0 0 100 0	LOSS 6 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 51 0	0 20 0 0 0 20 290 0 0	LOSS 0 367 0 0 481 769 0 0 0	0 828 0 0 0 93 147 0	BUI SCO PLAI Neith inspe full re the C Code statu	ILDIN OTT NS EX ner the ections espons Ontario e, both ites and	B NG: F SHE (AMINI issuar s by the sibility to Building as am d regu	NINC UILD REVII RRIF ER nce of Town for con- ing Code ended	EWEL FS a permin of Miltonpliance de Act a l, as we of the	t nor con relive with the relation of the the relation the relationship to the relatio	JUN arrying res the he prove Ontariher appee on Co	DPMENT 7-7104 13, 2017 DATE out of owner from visions of o Building olicable ontario,	0 0 0 0 0 0 226	0 0 0 0 0 0 0 761 0	0 0 0 0 0 0 147 0	0 0 0 20 0 474 0	268 : 0 0 0 0 481 0 1582 0 0 0 6762 9083	0 0 0 93 0 306 0
ВА	EAST 60UTH WEST SKYLT. DOORS NET EXPOSED WALL NET EXPOSED USALL NET EXPOSED CLG EXPOSED CLG EXPOSEO FLOOR ASEMENTICRAWL 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	15.8 41.4 24.8 41.4 101.2 4.7 0.6 0.6 0.7 1.1	0 0 36 0 0 0 172 0	LOSS (0 0 0 678 0 0 0 450 0 0 0 0 0 0 1128	0 941 0 0 67 0 0	0 39 0 0 0 0 331 0	LOSS 6 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 167 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 1349 0 0 325 0 7			0 0 0 20 202 0 0	LOSS 161 0 0 0 481 629 0 0 0	143 0 0 0 0 93 102 0 0	0 0 0 0 0 100 0	LOSS 6 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 51 0 0	0 20 0 0 0 20 290 0 0	LOSS 0 367 0 0 481 769 0 0 0 1697	0 828 0 0 93 147 0 0	BUI SCO PLAI Neith inspe full re the C Code statu	ILDIN OTT NS EX ner the ections espons Ontario e, both ites and	B NG: F SHE (AMINI issuar s by the sibility to Building as am d regu	NINC UILD REVII RRIF ER nce of Town for con- ing Code ended	EWEL FS a permin of Miltonpliance de Act a l, as we of the	t nor con relive with the relation of the the relation the relationship to the relatio	JUN arrying res the he prove Ontariher appee on Co	DPMENT 7-7104 13, 2017 DATE out of owner from visions of o Building olicable ontario,	0 0 0 0 0 0 226	0 0 0 0 0 0 0 761 0	0 0 0 0 0 0 147 0	0 0 0 0 20 0 474 0	268 : 0 0 0 0 0 481 0 1582 0 0 0 6762 9083	0 0 0 93 0 306 0
ВА	EAST 60UTH WEST SKYLT. DOORS NET EXPOSED WALL NET EXPOSED WALL EXPOSED CLG NO ATTIC EXPOSED CLG EXPOSED FLOOR ASEMENTICRAWL HEAT LOSS SLAB ON GRADE HEAT LOSS SUBTOTAL HT LOSIN	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 0.6 0.6 0.7 1.1	0 0 36 0 0 0 172 0 0	LOSS (0 0 0 678 0 0 0 450 0 0 0 0 0 0 1128	0 941 0 0 67 0 0	0 39 0 0 0 0 331 0 0	LOSS 6 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 167 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 1349 0 0 325 0 7			0 0 0 20 202 0 0	LOSS 161 0 0 0 481 629 0 0 0 0 1170	143 0 0 0 0 93 102 0 0	0 0 0 0 0 100 0 0	LOSS 6 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 51 0 0	0 20 0 0 0 20 290 0 0	LOSS 0 367 0 0 481 769 0 0 0 1697	0 828 0 0 93 147 0 0	BUI SCO PLAI Neith inspe full re the C Code statu	ILDIN OTT NS EX ner the ections espons Ontario e, both ites and	B NG: F SHE (AMINI issuar s by the sibility to Building as am d regu	NINC UILD REVII RRIF ER nce of Town for con- ing Code ended	EWEIFS a permin of Miltinpliance de Act a l, as we of the f Haltor	t nor con relive with the hand the Province and T	JUN arrying res the he prove Ontariher appee on Co	DPMENT 7-7104 13, 2017 DATE out of owner from visions of o Building olicable ontario, Milton	0 0 0 0 0 0 226	0 0 0 0 0 0 0 761 0	0 0 0 0 0 0 147 0	0 0 0 20 0 474 0	268 : 0 0 0 0 0 481 0 1582 0 0 0 6762 9083	0 0 0 93 0 306 0
ВА	EAST 60UTH WEST SKYLT. DOORS NET EXPOSED WALL NET EXPOSED BSMT WALL ABOVE 5R EXPOSED CLG NO ATTIC EXPOSED CLG EXPOSED FLOOR ASEMENTICRAWL 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	15.8 41.4 24.8 41.4 101.2 4.7 0.6 0.6 0.7 1.1	0 0 36 0 0 0 172 0 0	LOSS (0 0 0 678 0 0 0 450 0 0 0 0 0 1128 0 0.61	0 941 0 0 67 0 0	0 39 0 0 0 0 331 0 0	USS 6 0 696 1 0 0 0 0 866 0 0 0 0 1662	0 0 0 0 0 167 0 0	0 0 0 0 0 0 106 1674 4 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 1349 0 0 325 0 7			0 0 0 20 202 0 0	LOSS 161 0 0 0 481 629 0 0 0 0 1170	143 0 0 0 0 93 102 0 0	0 0 0 0 0 100 0 0	LOSS 6 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 51 0 0	0 20 0 0 0 20 290 0 0	LOSS 0 367 0 0 481 769 0 0 1697	0 828 0 0 93 147 0 0	BUI SCO PLAI Neith inspe full re the C Code statu	ILDIN OTT NS EX ner the ections espons Ontario e, both ites and	B NG: F SHE (AMINI issuar s by the sibility to Building as am d regu	NINC UILD REVII RRIF ER nce of Town for con- ing Code ended	EWEIFS a permin of Miltrinpliance de Act at la, as we of the f Haltor	t nor coor relive with the relivence of the second of the	JUN arrying yes the he proving Ontari her appose on Corown of	DPMENT 7-7104 13, 2017 DATE out of owner from visions of o Building olicable ontario, Milton	0 0 0 0 0 0 226	0 0 0 0 0 0 0 761 0	0 0 0 0 0 0 147 0	0 0 0 20 0 474 0	268 : 0 0 0 0 0 481 0 1582 0 0 0 6762 9083 0.96 9473	0 0 0 93 0 306 0
ВА	EAST 60UTH WEST SKYLT. DOORS NET EXPOSED WALL NET EXPOSED BANT WALL ABOVE GR EXPOSED CLG EXPOSEO CLG EXPOSEO FLOOR ASEMENT/CRAWL HEAT LOSS SLAB ON GRADE HEAT 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	15.8 41.4 24.8 41.4 101.2 4.7 0.6 0.6 0.7 1.1	0 0 36 0 0 0 172 0 0	LOSS (0 0 0 678 0 0 0 450 0 0 0 0 0 1128 0 0.61	0 941 0 0 67 0 0	0 39 0 0 0 0 331 0 0	USS 6 0 696 1 0 0 0 0 866 0 0 0 0 1662	0 616 0 0 0 0 0 0 0 167 0 0	0 0 0 0 0 0 106 1674 4 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 1349 0 0 326 0 7 0 0			0 0 0 20 202 0 0	LOSS 161 0 0 0 481 629 0 0 0 0 1170	143 0 0 0 93 102 0 0	0 0 0 0 0 100 0 0	LOSS 6 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 51 0 0	0 20 0 0 0 20 290 0 0	LOSS 0 367 0 0 481 769 0 0 1697	0 828 0 0 93 147 0 0 0	BUI SCO PLAI Neith inspe full re the C Code statu	ILDIN OTT NS EX ner the ections espons Ontario e, both ites and	B NG: F SHE (AMINI issuar s by the sibility to Building as am d regu	NINC UILD REVII RRIF ER nce of Town for con- ing Code ended	EWELEFS a permit of Milton of Milton of Milton of the f Halton	t nor ca con relive e with t and the Il as ot Province and T	JUN arrying yes the he provided on Contaring the application of the contact of t	DPMENT 7-7104 13, 2017 DATE out of owner from visions of o Building olitable ontario, Milton	0 0 0 0 0 0 226	0 0 0 0 0 0 0 761 0	0 0 0 0 0 0 147 0	0 0 0 20 0 474 0	268 : 0 0 0 0 0 481 0 1582 0 0 0 6762 9083 0.96 9473	0 0 0 93 0 306 0 0
ВА	EAST 60UTH WEST SKYLT. DOORS NET EXPOSED WALL NET EXPOSED WALL NET EXPOSED CLG EXPOSED CLG EXPOSED FLOOR ASEMENT/CRAWL HEAT LOSS SUBTOTAL HT GAIN LEVEL FACTOR / MULTIPLIER AIR CHANGE HEAT LOSS 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	15.8 41.4 24.8 41.4 101.2 4.7 0.6 0.6 0.7 1.1	0 0 36 0 0 0 172 0 0	LOSS 0 0 0 678 0 0 0 450 0 0 0 0 1128	0 941 0 0 67 0 0	0 39 0 0 0 0 331 0 0	0 696 1 0 0 0 0 0 0 0 0 0 0 0 0 16662 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 616 0 0 0 0 0 0 0 167 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 1349 0 0 326 0 7 0 0			0 0 0 20 202 0 0	LOSS 161 0 0 0 0 481 629 0 0 0 1170 0.61 716	143 0 0 0 93 102 0 0	0 0 0 0 0 100 0 0	LOSS 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 51 0 0	0 20 0 0 0 20 290 0 0	LOSS 0 367 0 0 0 491 769 0 0 0 1697 0.61 976	0 828 0 0 93 147 0 0 0	BUI SCO PLAI Neith inspe full re the C Code statu	ILDIN OTT NS EX ner the ections espons Ontario e, both ites and	B NG: F SHE (AMINI issuar s by the sibility to Building as am d regu	NINC UILD REVII RRIF ER nce of Town for con- ing Code ended	EWELEFS a permit of Milton of Milton of Milton of the f Halton	t nor ca con relive e with t and the Il as ot Province and T	JUN arrying yes the he proving Ontari her appose on Corown of	DPMENT 7-7104 13, 2017 DATE out of owner from visions of o Building olitable ontario, Milton	0 0 0 0 0 0 226	0 0 0 0 0 0 0 761 0	0 0 0 0 0 0 147 0	0 0 0 20 0 474 0	268 : 0 0 0 0 0 481 0 1582 0 0 0 6762 9083 0.96 9473	0 0 0 93 0 306 0 0
ВА	EAST 60UTH WEST SKYLT. DOORS NET EXPOSED WALL NET EXPOSED WALL NET EXPOSED CIG NO A TRIC EXPOSED CLG EXPOSED FLOOR ASEMENTICRAWL HEAT LOSS SUBTOTAL HT LOSS SUBTOTAL HT GAIN LEVEL FACTOR! MULTPLIER AIR CHANGE HEAT LOSS AIR CHANGE HEAT GAIN OUCT LOSS	17.9 17.9 17.9 30.6 24.1 2.6 3.3 1.4 2.2 2.2	15.8 41.4 24.8 41.4 101.2 4.7 0.6 0.6 0.7 1.1	0 0 36 0 0 0 172 0 0	LOSS 0 0 0 678 0 0 0 450 0 0 0 0 1128	0 941 0 0 0 67 0 0 0	0 39 0 0 0 0 331 0 0	0 696 1 0 0 0 0 0 0 0 0 0 0 0 0 16662 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 61616 0 0 0 0 0 1167 0 0 0	0 0 0 0 0 0 0 1674 4 0 0 0 0 645 1666 0 0 10 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 1349 0 0 0 326 0 7 0 0			0 0 0 20 202 0 0	LOSS 161 0 0 0 0 481 629 0 0 0 1170 0.61 716	143 0 0 0 93 102 0 0 0	0 0 0 0 0 100 0 0	LOSS 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 20 0 0 0 20 290 0 0	LOSS 0 367 0 0 0 491 769 0 0 0 1697 0.61 976	0 828 0 0 93 147 0 0 0	BUI SCO PLAI Neith inspe full re the C Code statu	ILDIN OTT NS EX ner the ections espons Ontario e, both ites and	B NG: F SHE (AMINI issuar s by the sibility to Building as am d regu	NINC UILD REVII RRIF ER nce of Town for con- ing Code ended	EWELEFS a permit of Milton of Milton of Milton of the f Halton	t nor coon relive with the last of Province and T	JUN arrying yes the he provided on Contaring the application of the contact of t	DPMENT 7-7104 13, 2017 DATE out of owner from visions of o Building olitable ontario, Milton	0 0 0 0 0 0 226	0 0 0 0 0 0 0 761 0	0 0 0 0 0 0 147 0	0 0 0 20 0 474 0	268 : 0 0 0 0 0 481 0 1582 0 0 0 6762 9083 0.96 9473	0 0 0 93 0 306 0 0
BA	EAST 60UTH WEST SKYLT. DOORS NET EXPOSED WALL NET EXPOSED WALL NET EXPOSED CLG EXPOSED CLG NO ATTIC EXPOSED CLG EXPOSED FLOOR ASEMENTICRAW. HEAT LOSS SLAB ON GRADE HEAT LOSS SUBTOTAL HT GAIN LEVEL FACTOR! MULTIPLIER AIR CHANGE HEAT LOSS AIR CHANGE HEAT GAIN OUCT LOSS DUCT GAIN	17.9 17.9 17.9 30.6 24.1 2.6 3.3 1.4 2.2 2.2	15.8 41.4 24.8 41.4 101.2 4.7 0.6 0.6 0.7 1.1	0 0 36 0 0 0 172 0 0 0	LOSS 0 0 0 678 0 0 0 450 0 0 0 0 1128	0 941 0 0 67 0 0 0 1028	0 39 0 0 0 0 331 0 0 0	COSS G 0 696 1 0 0 0 0 0 866 0 0 0 1662 1	0 616 0 0 0 0 0 0 1167 0 0 0	0 0 0 0 0 0 10645 1666 0 0 0 10 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 1349 0 0 0 326 0 7 0 0			0 0 0 20 202 0 0	LOSS 161 0 0 0 0 481 629 0 0 0 1170 0.61 716	143 0 0 0 0 93 102 0 0 0	0 0 0 0 0 0 100 0 0 0	LOSS 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 51 0 0 0 0 51	0 20 0 0 0 20 2990 0 0 0	LOSS 0 367 0 0 0 491 769 0 0 0 1697 0.61 976	0 828 0 0 0 93 147 0 0 0	BUI SCO PLAI Neith inspe full re the C Code statu	ILDIN OTT NS EX ner the ections espons Ontario e, both ites and	B NG: F SHE (AMINI issuar s by the sibility to Building as am d regu	NINC UILD REVII RRIF ER Doce of Town or con ended lations gion o	G ANI DING I EWEL FFS a permin of Miltrinpliance de Act a I, as we of the f Haltor	D DEPERMOD To the nor calculation of the se with the se with the second of the second	JUN arrying yes the he provide on Contari her apple of Cown of I	DPMENT 7-7104 13, 2017 DATE out of owner from visions of o Building olicable ontario, Milton ED LTON 017	0 0 0 0 0 226 0	0 0 0 0 0 0 761 0 0 761	0 0 0 0 0 147 0 0	0 0 0 20 0 474 0 0	268 : 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 93 0 306 0 0 0
BA	EAST 60UTH WEST SKYLT. DOORS NET EXPOSED WALL NET EXPOSED WALL NET EXPOSED CLG EXPOSED CLG EXPOSED FLOOR ASEMENTICRAWL HEAT LOSS SUB TOTAL HT LOSS SUB TOTAL HT GAIN LEVEL FACTOR! MULTIPLIER AIR CHANGE HEAT LOSS AIR CHANGE HEAT LOSS OUCT GAIN HEAT GAIN PEOPLE	17.9 17.9 17.9 30.6 24.1 2.6 3.3 1.4 2.2 2.2	15.8 41.4 24.8 41.4 101.2 4.7 0.6 0.6 0.7 1.1	0 0 36 0 0 0 172 0 0 0	LOSS 0 0 0 678 0 0 0 450 0 0 0 0 1128	0 941 0 0 67 0 0 0 1028	0 39 0 0 0 0 331 0 0 0	COSS G 0 696 1 0 0 0 0 0 866 0 0 0 1662 1	0 61616 0 0 0 0 0 1167 0 0 0	0 0 0 0 0 0 10645 1666 0 0 0 10 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 1349 0 0 0 326 0 7 0 0			0 0 0 20 202 0 0	LOSS 161 0 0 0 0 481 629 0 0 0 1170 0.61 716	143 0 0 0 0 93 102 0 0 0 0 0	0 0 0 0 0 0 100 0 0 0	LOSS 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 51 0 0 0 0	0 20 0 0 0 20 2990 0 0 0	LOSS 0 367 0 0 0 491 769 0 0 0 1697 0.61 976	0 828 0 0 93 147 0 0 0 0	BUI SCO PLAI Neith inspe full re the C Code statu	ILDIN OTT NS EX ner the ections espons Ontario e, both ites and	B NG: F SHE (AMINI issuar s by the sibility to Building as am d regu	NINC UILD REVII RRIF ER Doce of Town or con ended lations gion o	G ANI DING I EWEL FFS a permin of Miltrinpliance de Act a I, as we of the f Haltor	D DEPERMOD To the nor calculation of the se with the se with the second of the second	JUN arrying yes the he provide on Contari her apple of Cown of I	DPMENT 7-7104 13, 2017 DATE out of owner from visions of o Building olitable ontario, Milton	0 0 0 0 0 226 0	0 0 0 0 0 0 0 761 0	0 0 0 0 0 0 147 0 0	0 0 0 20 0 474 0 0	268 : 0 0 0 0 0 481 0 0 1582 0 0 0 6762 9083 0.96 9473 0	0 0 0 93 0 306 0 0 0 637

TOTAL HEAT GAIN BTU/H:

41097

TONS: 3.42

LOSS DUE TO VENTILATION LOAD BTU/H: 2562

STRUCTURAL HEAT LOSS: 50262

TOTAL COMBINEO HEAT LOSS BTU/H: 52604

Maked Office. INDIVIDUAL BCIN: 19669 MICHAEL O'ROURKE



		LECCO I		MES				TYPE:	LOT 322 JUNIPER				DATE:	May-17			GFA:	3483	LO#	74048				
HEATING CFM TOTAL HEAT LOSS AIR FLOW RATE CFM	50,252 26.19		TOTAL H IR FLOW F	LING CFM EAT GAIN RATE CFM	32.41		a	fum a/c coil vailable	pressure lace filter pressure pressure s/a & r/a	0.6 0.05 0.2 0.35						,		804CNA SPEED LOW	~*AMANA 80 1316		OUTPUT	AFUE = (BTU/H) = (BTU/H) = GN CFM =	80.000 76, 800	
RUN COUNT S/A R/A All S/A diffusers 4"x10" unle				1st 8 2 ut.	Bas 5 1		max	s/a dif pr	ssure s/a ress. loss ssure s/a	0.18 0.03 0.15		r/a grille pre usted pre		0.17 0.02 0.15			٨	EDLOW MEDIUM M HIGH HIGH	0 1389 0 1396	т			6 " E.S.P.	°F
All S/A runs 5"Ø unless note	ed others	<u>vise on la</u> 2	yout. 3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
ROOM NAME RM LOSS MBH. CFM PER RUN HEAT RM GAIN MBH.	MBR 1.25 33 2.12	ENS 0.89 23 0.81	ENS 0.89 23 0.81	BED-2 1.25 33 2.08	BED-3 1.82 48 2.65	BED-4 1.47 39 2.32	BATH 1.04 27 0.45	BED-3 1.82 48 2.65	BED-4 1.47 39 2.32	MBR 1.25 33 2.12	ENS-2 0.75 20 0.47	LV/DN 1.82 48 2.55	OFF 2.52 66 3. 6 2	KT/FM 1.92 50 2.68	KT/FM 1.92 50 2.68	KT/FM 1.92 50 2.68	LAUN 1.89 49 1.88	W/R 0.42 11 0.07	FOY 2.57 67 1.51	ENS-4 0.93 24 0.85	BED-5 1.09 29 2.15	BAS 3.86 101 0.22	BAS 3.86 101 0.22	BAS 3.86 101 0.22
CFM PER RUN COOLING ADJUSTEO PRESSURE ACTUAL OUCT LGH. EQUIVALENT LENGTH	69 0.17 27 160	26 0.17 59 150	26 0.17 43 120	68 0.17 47 160	86 0.16 47 120	75 0.17 75 160	14 0.17 51 160	86 0.16 50 130	75 0.17 66 130	69 0.17 41 130	15 0.17 21 170	83 0.16 39 140	117 0.15 59 140	87 0.16 22 150	87 0.16 31 140	87 0.16 39 110	61 0.17 44 110	2 0.17 19 140	49 0.17 45 130	28 0.17 65 140	70 0.17 50 150	7 0.16 38 100	7 0.16 18 110	7 0.16 13 150
TOTAL EFFECTIVE LENGTH AOJUSTEO PRESSURE ROUNO OUCT SIZE HEATING VELOCITY (filmin)	187 0.09 5 242	209 0.08 4 264	163 0.11 4 264	207 0.08 5 242	167 0.1 5 352	235 0.07 5 286	211 0.08 4 310	180 0.09 5 352	196 0.09 5 286	171 0.1 5 242	191 0.09 4 229	179 0.09 5 352	199 0.08 6 337	172 0.09 5 367	171 0.09 5 367	149 0.11 5 367	154 0.11 5 360	159 0.11 4 126	175 0.1 5 492	205 0.08 4 275	200 0.09 5 213	138 0.12 5 742	128 0.13 5 742	163 0.1 6 515
COOLING VELOCITY (ft/min) OUTLET GRILL SIZE TRUNK	507 3X10 B	298 3X10 A	298 3X10 B	499 3X10 A	631 3X10 D	551 3X10 C	161 3X10 D	631 3X10 D	551 3X10 C	507 3X10 B	172 3X10 B	609 3X10 D	597 4X10 C	639 3X10 B	639 3X10 A	639 3X10 A	448 3X10 A	23 3X10 D	360 3X10 C	321 3X10 C	514 3X10 D	51 3X10 A	51 3X10 B	36 4X10 D
RUN # ROOM NAME RM LOSS MBH. CFM PER RUN HEAT RM GAIN MBH. CFM PER RUN COOLING ADJUSTEO PRESSURE ACTUAL OUCT LGH. EQUIVALENT LENGTH TOTAL EFFECTIVE LENGTH ADJUSTEO PRESSURE ROUNO OUCT SIZE HEAT ING VELOCITY (ftmin) COOLING VELOCITY (ftmin) OUTLET GRILL SIZE TRUNK	25 BAS 3.86 101 0.22 7 0.16 37 120 157 0.1 6 515 36 4X10 D	26 BAS 3.86 101 0.22 7 0.16 49 140 189 0.09 6 515 36 4X10 C																				MAY:	EIVEC DF MILT 30, 2017 -7104 G DIVIS	ON '
SUPPLY AIR TRUNK SIZE TRUNK A TRUNK B TRUNK C TRUNK C TRUNK D TRUNK E TRUNK F	TRUNK CFM 306 566 336 749 0	STATIC PRESS. 0.08 0.07 0.07 0.00 0.00	ROUND DUCT 9 11.3 9.6 13 0	RECT DUCT 10 14 10 20 0	x x x x x	8 8 8 8	VELOCITY (ft/min) 551 728 605 674 0		Trunk g Trunk h Trunk i Trunk j Trunk k Trunk l	TRUNK CFM 0 0 0 0 0 0 0	STATIC PRESS. 0.00 0.00 0.00 0.00 0.00 0.00 0.00	ROUND DUCT 0 0 0 0 0	RECT DUCT 0 0 0 0 0 0	x x x x x	8 8 8 8 8	VELOCITY (ft/min) 0 0 0 0	TRUNK O TRUNK P TRUNK Q TRUNK R TRUNK S TRUNK T TRUNK T TRUNK U	TRUNH TRUNK CFM 0 0 0 0 0 0 0 0 0 0	STATIC PRESS. 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0	ROUND DUCT 0 0 0 0 0 0	RECT DUCT 0 0 0 0 0 0	x x x x x x x	8 8 8 8 8 8	VELOCITY (ff/min) 0 0 0 0 0 0 0 0 0
RETURN AIR # AIR VOLUME PLENUM PRESSURE ACTUAL OUCT LGH. EQUIVALENT LENGTH TOTAL EFFECTIVE LH AOJUSTEO PRESSURE ROUNO OUCT SIZE INLET GRILL SIZE INLET GRILL SIZE	1 0 135 0.15 42 230 272 0.05 7.5 8 X	2 0 85 0.15 58 185 243 0.06 6 8 X	3 0 175 0.15 57 160 217 0.07 7.5 8 X	4 0 85 0.15 59 195 254 0.06 6 8 X	5 0 175 0.15 22 185 207 0.07 7.5 8 X 14	6 0 345 0.15 24 225 249 0.06 10.1 8 X 30	7 0 85 0.15 54 205 259 0.06 6 8 X	0 0 0.15 1 0 1 14.80 0 0 X	0 0 0.15 1 0 1 14.80 0 0 X	0 0 0.15 1 0 1 14.80 0 0 X	0 0 0.15 1 0 1 14.80 0 0 X	0 0 0.15 1 0 1 14.80 0 0 X 0	0 0 0.15 1 0 1 14.80 0 0 X	0 0 0.15 1 0 1 14.80 0 0 X	0 0 0.15 1 0 1 14.80 0 0 X 0	231 0.15 14 145 159 0.09 7.9 8 X 24	TRUNK W TRUNK X TRUNK Y TRUNK Z DROP	886 655 430 1316	0.05 0.05 0.05 0.05 0.05 0.05	15.1 13.5 11.5 17.5	0 26 22 16 24	x x x x x	8 8 8 8 12	613 536 484 658



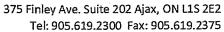
TYPE: SITE NAME: JUNIPER 9

LECCO RIDGE

74048 LOT 322

RESIDENTIAL MECHANICAL VENTILATION DESIGN SUMMARY

Forced Air	COMBUSTION APPLIANCES	9.32.3.1(1)	SUPPLEMENTAL \	ENTILATION CAPACITY		9.32.3.5,
PRINCIPAL EXPANST FAR CAPACITY 105.4 cfm 105.6 c	e)		Total Ventilation Cap	pecity	201.4	cfm
	b) Positive venting induced draft (except fireplaces)		Less Principal Venti	. Capacity	96	_ cfm
PRINCIPAL EXCLUST PAN CAPACITY Model: VANEE 50H Location: BSMT Model: VANEE 50H Non Forced Air Model: VANEE 50H Model:	c) Natural draft, B-vent or induced draft gas fireplace	-	Required Suppleme	ntal Capacity	105.4	cfm
Mode: VANE 50H Location BSMT	d) Solid Fuel (including fireplaces)					
HEATING SYSTEM	e) No Combustion Appliances		PRINCIPAL EXHAL	IST FAN CAPACITY		* .
Forced Air			Modei:	VANEE 50H	Location:	BSMT
CPM	HEATING SYSTEM		96.0	cfm 3.0 so	nes	HVI Approved
Electric Space Heat	Forced Air Non Forced Air		PRINCIPAL EXHAL	IST HEAT LOSS CALCULATIO	N	
SUPLEMENTAL FANS NUTONE Concentration Nutrone			1			
NOSE TYPE	Electric Space Heat					
HOUSE TYPE						HVI Sones
Type a) or b) appliance only, no solid fuel Type I except with solid fuel (including fireplaces) III Type I except with solid fuel (including fireplaces) III Any Type c) appliance IV Type I, or III with electric space heat IV Type I, or III with electric space heat IV Type I, or III with electric space heat Other: Type I, II or IV no forced air IV Type I, II or IV no forced air aystem IV Type I, II or IV no forced air IV Type I, II or I	HOUSE TYPE	9.32.1(2)			···	
II Type except with solid fuel (including fireplaces) III Any Type c) appliance III Any Type c) appliance III Any Type c) appliance IV Type I, or II with electric space heat 96 cm high 47 cm low 96 cm hi						
II Type except with solid fuel (including firepiaces) III Any Type c) appliance IV Type I, or II with electric space heat 96	Type a) or b) appliance only, no solid fuel					
III Any Type c) appliance Wanter Solution			W/R	QTXEN050C	50	✓ 0.3
96 ctm high 47 ctm low 68 % sensible Efficiency © 32 deg F (0 deg C) SYSTEM DESIGN OPTIONS O.N.H.W.P. 1 Exhaust only/Forced Air System 2 HRV with Ducting/Forced Air System 3 HRV Simplified/connected to forced air system Part 8 Design Part 8 Design TOTAL VENTILATION CAPACITY Basement + Master Bedroom 2 © 21.2 cfm 42.4 cfm Other Bedrooms 4 © 10.6 cfm 42.4 cfm Kitchen & Bathrooms 6 © 10.6 cfm 42.4 cfm Other Rooms 5 © 10.6 cfm 53.0 cfm Table 9.32.3.A. TOTAL 201.4 cfm 1 Bedroom 2 Bedroom 31.8 cfm 2 Bedroom 31.8 cfm 2 Bedroom 47.7 cfm DESIGNER CERTIFICATION RECEIVED TOWN OF MILTO MAY 30, 2017 Township P Address ROII # BUILDING: GR WILDING: GR W	Type I except with solid fuel (Including fireplaces)	}	HEAT RECOVERY	VENTILATOR		9.32.3.11.
IV Type I, or II with electric space heat 66	III Any Type c) appliance					cfm low
Cother: Type I, II or IV no forced air SYSTEM DESIGN OPTIONS O.N.H.W.P. I Exhaust only/Forced Air System I HRV with Ducting/Forced Air System I HRV with Ducting/forced Air system I HRV with Ducting/for forced air system I HRV with Ducting/forced Air System I HRV	IV Type I, or II with electric space heat		90	cins riigh		
SYSTEM DESIGN OPTIONS O.N.H.W.P. 1 Exhaust only/Forced Air System 2 HRV with Ducting/Forced Air System 4 HRV with Ducting/forced air system Part 6 Design TOTAL VENTILATION CAPACITY Basement + Master Bedroom 2 @ 21.2 cfm 42.4 cfm Other Bedrooms 4 @ 10.6 cfm 42.4 cfm Other Rooms 5 @ 10.6 cfm 42.4 cfm Other Rooms 5 @ 10.6 cfm 53.0 cfm Total 201.4 cfm Total 201.4 cfm PRINCIPAL VENTILATION CAPACITY REQUIRED 1 Bedroom 31.8 cfm 2 Bedroom 4 Bedroom 31.8 cfm DESIGNER CERTIFICATION INSTALLATION RACTION OF INSTALLATION MAY 30, 2017 17-7104 BUILDING PERMIT: 17-7104 BUILDING PERMIT: 17-7104 BUILDING: REVIEWED SCOTT SHERRIFFS JUN 13, 2019 PLANS EXAMINER DATE OF Linguisting Code Act and the Ontario Building Code Act and the Province on Ontario, By-laws of the Region of Halton and Town of Milton Name: Address: PRINCIPAL VENTILATION CAPACITY REQUIRED 9.32.3.4.(1) 1 Bedroom 31.8 cfm DESIGNER CERTIFICATION Installation Installation Installation Installation Designer Town of Milton MAY 30, 2017 17-7104 BUILDING PILTO MAY 30, 2017 17-7104 BUILDING PERMIT: 17-7104 BUIL	Other: Type I, II or IV no forced air		66			HVI Approved
SYSTEM DESIGN OPTIONS O.N.H.W.P. 1						
Lot: Township Township Address Lot: Township Address Lot: Township Address Roll # BUILDING DIVISION BUILDING DIVISION BUILDING PERMIT: 17-7104 BUILDING: REVIEWED SCOTT SHERRIFS JUN 13, 20' Address: City: Telephone # Tel			LOCATION OF INS	TALLATION	RE	ECEIVED
TOTAL VENTILATION CAPACITY Basement + Master Bedroom Cher Rooms 6 @ 10.6 cfm Cher Rooms 5 @ 10.6 cfm Cher Rooms Table 9.32.3.A. TOTAL 2 Bedroom 1 Exhaust onty/Forced Air System Township Part 6 Design MAY 30, 2017 17-7104 BUILDING DIVISION Roll # TOWN OF MILTO PLANNING AND DEVELOPMEN BUILDING: REVIEWED SCOTT SHERRIFFS JUN 13, 20' PLANS EXAMINER DAN Neither the issuance of a permit nor carrying out of inspections by the Town of Milton relives the owner for full responsibility for compliance with the provisions of full responsibility for compliance with the provisions of the Ontario Building Code, both as amended, as well as other applicable. Name: Name: City: Telephone #: Telephone #: Name: Name: Name: Name: Telephone #: Telephone #: Address: City: Telephone #: Fax #: DESIGNER CERTIFICATION I hereby certify that this ventitetion system has been designed	SYSTEM DESIGN OPTIONS	O.N.H.W.P.	Lot:		c TOW	N OF MILTON
Address BUILDING DIVISION Address Roll # TOWN OF MILTO PLANNING AND DEVELOPMEN BUILDING PERMIT: 17-7104 BUILDING: REVIEWED SCOTT SHERRIFFS JUN 13, 20' PLANS EXAMINER DATA Neither the issuance of a permit nor carrying out of inspections by the Town of Milton relives the owner for the Ontario Building Code Act and the Ontario Building C	1 Exhaust only/Forced Air System					AY 30, 2017
Address Address BUILDING DIVISION			Township		<u>P</u>	17-7104
Roll # TOWN OF MILTO PLANNING AND DEVELOPMEN BUILDING: REVIEWED SCOTT SHERRIFFS JUN 13, 20' Address: TOTAL VENTILATION CAPACITY Basement + Master Bedroom 2 @ 21.2 cfm	2 HRV with Ducting/Forced Air System		Address		BUILD	ING DIVISION
## A HRV with Ducting/non forced air system Part 6 Design Part 6 Design	3 HRV Simplified/connected to forced air system		Dell #		TOWN	OF MILTON
Part 6 Design Design Part 6 Design Part 6 Design	4 HRV with Ducting/non forced air system				NING AND D	EVELOPMENT
TOTAL VENTILATION CAPACITY Basement + Master Bedroom 2	Part 6 Design		BUILDER:	GR BI		RMIT: 17-7104
Basement + Master Bedroom 2 @ 21.2 cfm 42.4 cfm Other Bedrooms 4 @ 10.6 cfm 42.4 cfm Kitchen & Bathrooms 6 @ 10.6 cfm 63.6 cfm Other Rooms 5 @ 10.6 cfm 53.0 cfm Table 9.32.3.A. TOTAL 201.4 cfm 1 Bedroom 31.8 cfm 2 Bedroom 47.7 cfm Neither the issuance of a permit nor carrying out of inspections by the Town of Milton relives the owner for full responsibility for compliance with the provisions of the Ontario Building Code, both as amended, as well as other applicable statutes and regulations of the Province on Ontario, By-laws of the Region of Halton and Town of Milton Name: City. Neither the issuance of a permit nor carrying out of inspections by the Town of Milton relives the owner for full responsibility for compliance with the provisions of the Ontario Building Code, both as amended, as well as other applicable statutes and regulations of the Province on Ontario, By-laws of the Region of Halton and Town of Milton Name: City. Telephone #: City. PRINCIPAL VENTILATION CAPACITY REQUIRED 9.32.3.4.(1) DESIGNER CERTIFICATION I hereby certify that this ventiletion system has been designed			Name:			JUN 13, 2017
Basement + Master Bedroom 2 @ 21.2 cfm 42.4 cfm Other Bedrooms 4 @ 10.6 cfm 42.4 cfm Kitchen & Bathrooms 6 @ 10.6 cfm 63.6 cfm Other Rooms 5 @ 10.6 cfm 53.0 cfm Table 9.32.3.A. TOTAL 201.4 cfm PRINCIPAL VENTILATION CAPACITY REQUIRED 1 Bedroom 31.8 cfm 2 Bedroom 47.7 cfm City: Inspections by the Town of Milton relives the owner from the Ontario Building Code Act and the Ontario Building Code, both as amended, as well as other applicable statutes and regulations of the Province on Ontario, By-laws of the Region of Halton and Town of Milton Name: City: INSTALLING CONTRACTOR Address: City: Telephone #: City: Telephone #: DESIGNER CERTIFICATION I hereby certify that this ventiletion system has been designed	TOTAL VENTILATION CAPACITY	9.32.3.3(1)	Address:			DATE
Other Bedrooms 4	Basement + Master Bedroom 2 @ 21.2 cfm 42.4	cfm	City:	inspections by the	Town of Milton re	elives the owner from
Kitchen & Bathrooms 6 @ 10.6 cfm 63.6 cfm Other Rooms 5 @ 10.6 cfm 53.0 cfm Table 9.32.3.A. TOTAL 201.4 cfm Address: City: PRINCIPAL VENTILATION CAPACITY REQUIRED 1 Bedroom 31.8 cfm 2 Bedroom 47.7 cfm Statutes and regulations of the Province on Ontario, By-laws of the Region of Halton and Town of Milton Name: City: Telephone #: Fax #: DESIGNER CERTIFICATION I hereby certify that this ventiletion system has been designed	Other Bedrooms 4 @ 10.6 cfm 42.4	cfm	Telephone #:	Code, both as am	ended, as well as	other applicable
Other Rooms 5 @ 10.6 cfm 53.0 cfm Name: Table 9.32.3.A. TOTAL 201.4 cfm Address: City: PRINCIPAL VENTILATION CAPACITY REQUIRED 9.32.3.4.(1) 1 Bedroom 31.8 cfm 2 Bedroom 47.7 cfm DESIGNER CERTIFICATION I hereby certify that this ventiletion system has been designed	-	ofm.		By-laws of the Re		
Table 9.32.3.A. TOTAL 201.4 cfm Address: City.		•		IRACION		
City: PRINCIPAL VENTILATION CAPACITY REQUIRED 9.32.3.4.(1) 1 Bedroom 31.8 cfm DESIGNER CERTIFICATION 1 hereby certify that this ventiletion system has been designed		-	name.			
PRINCIPAL VENTILATION CAPACITY REQUIRED 9.32.3.4.(1) 1 Bedroom 31.8 cfm DESIGNER CERTIFICATION 1 hereby certify that this ventiletion system has been designed	Table 9.32.3.A. TOTAL <u>201.4</u>	- cfm	Address:			
Telephone #: Fax #: 1 Bedroom 31.8 cfm DESIGNER CERTIFICATION 2 Bedroom 47.7 cfm I hereby certify that this ventiletion system has been designed			City:			
1 Bedroom 31.8 cfm DESIGNER CERTIFICATION 2 Bedroom 47.7 cfm I hereby certify that this ventiletion system has been designed	PRINCIPAL VENTILATION CAPACITY REQUIRED	9.32.3.4.(1)	Telephone #		Fay #	
2 Bedroom 47.7 cfm I hereby certify that this ventiletion system has been designed	1 Bedroom 31.8 cfm					
In accordance with the Ontario Building Code.	2 Bedroom 47.7 cfm		i i		designed	
3 Bedroom 53.6 cfm Name: HVAC Designs Ltd.	3 Bedroom 63.6 cfm		1	-		
4 Bedroom 79.5 cfm Signature: Michael Okambe					lad Office Le	
5 Bedroom 95.4 cfm HRAI# 001820	5 Bedroom 95.4 cfm		HRAI#	% ~.	Strategies .	
More than 5 - Part 6 TOTAL 95.4 cfm Date: May-17	More than 5 - Part 6 TOTAL 95.4 cfm		Date:			
I REVIEW AND TAKE RESPONBILITY FOR THE DESIGN WORK AND AM QUALIFIED IN THE APPROPRIATE CATEGORY AS AN "OTHER DESIGNER" UNDER DIMSION C, 3.2.5 OF THE BUILDING CODE. INDIVIDUAL BCIN: 19669 MICHAEL O'ROURKE	DISTRIBUTE DON'T ACCOUNT OF THE PROPERTY OF		PROPRIATE CATEGORY AS A	N "OTHER DESIGNER" UNDER DIVISION	C, 3.2.5 OF THE BUIL	LDING CODE.





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

HEAT LOSS AND GAIN SUMMARY SHEET

MODEL:	JUNIPER 9	LOT 322	BUILDER: GREENPARK HOMES	
SFQT:	3483	LO# 74048	SITE: LECCO RIDGE	
DESIGN AS	SSUMPTIONS			
HEATING		°F	COOLING	°F
	DESIGN TEMP.	. 0	OUTDOOR DESIGN TEMP.	86
INDOOR D	ESIGN TEMP.	72	INDOOR DESIGN TEMP. (MAX 75°F)	72
BUILDING	DATA			
ATTACHM	ENT:	DETACHED	# OF STORIES (+BASEMENT):	3
FRONT FA	CES:	EAST	ASSUMED (Y/N):	Y ·
AIR CHAN	GES PER HOUR:	3.57	ASSUMED (Y/N):	Υ
AIR TIGHT	NESS CATEGORY:	AVERAGE	ASSUMED (Y/N):	Υ
WIND EXP	OSURE:	SHELTERED	ASSUMED (Y/N):	Υ
HOUSE VO	DLUME (ft³):	47706.0	ASSUMED (Y/N):	Υ
INTERNAL	SHADING:	BLINDS/CURTAINS	ASSUMED OCCUPANTS:	6
INTERIOR	LIGHTING LOAD (Btu/h/ft	²): 1.50	DC BRUSHLESS MOTOR (Y/N):	Υ
FOUNDAT	ION CONFIGURATION	BCIN_1	DEPTH BELOW GRADE:	6.5 ft
LENGTH:	59.0 ft W	/IDTH: 39.0 ft	EXPOSED PERIMETER:	196.0 ft

2012 OBC - COMPLIANCE PACKAGE		
Component	RECEIVED TOWN OF MILTON MAY 30, 2017 17-7104	Compliance Package ENERGYSTAR
Ceiling with Attic Space Minimum RSI (R)-Value	BUILDING DIVISION	50
Ceiling Without Attic Space Minimum RSI (R)-Value	BUILDING DIVISION	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 Minimu	m RSI (R)-Value	-
Edge of Below Grade Slab ≤ 600 mm Below Grade Minimum RSI	(R)-Value	10
Heated Slab or Slab ≤ 600 mm below grade Minimum RSI (R)-Val	ue	10
Windows and Sliding Glass Doors Maximum U-Value		ZONE 2
Skylights Maximum U-Value		ZONE 2
Space Heating Equipment Minimum AFUE	0.95	
HRV Minimum Efficiency	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:	Soil Conductivity: Normal conductivity: d												
Water Table:	Normal (7-10 m, 23-33 ft)											
Foundation Dimensions													
Floor Length (m):	18.0												
Floor Width (m):	11.9												
Exposed Perimeter (m):	0.0												
Wall Height (m):	2.9												
Depth Below Grade (m):	2.0	Insulation Configuration											
Window Area (m²):	1.4												
Door Area (m²):	1.9												
	Radi	ant Slab											
Heated Fraction of the Slab:	0												
Fluid Temperature (°C):	33												
	Desig	n Months											
Heating Month	1												
	Founda	ntion Loads											
Heating Load (Watts):		1978											

TYPE: JUNIPER 9 **LO#** 74048

LOT 322

RECEIVED TOWN OF MILTON MAY 30, 2017 17-7104 BUILDING DIVISION





Air Infiltration Residential Load Calculator

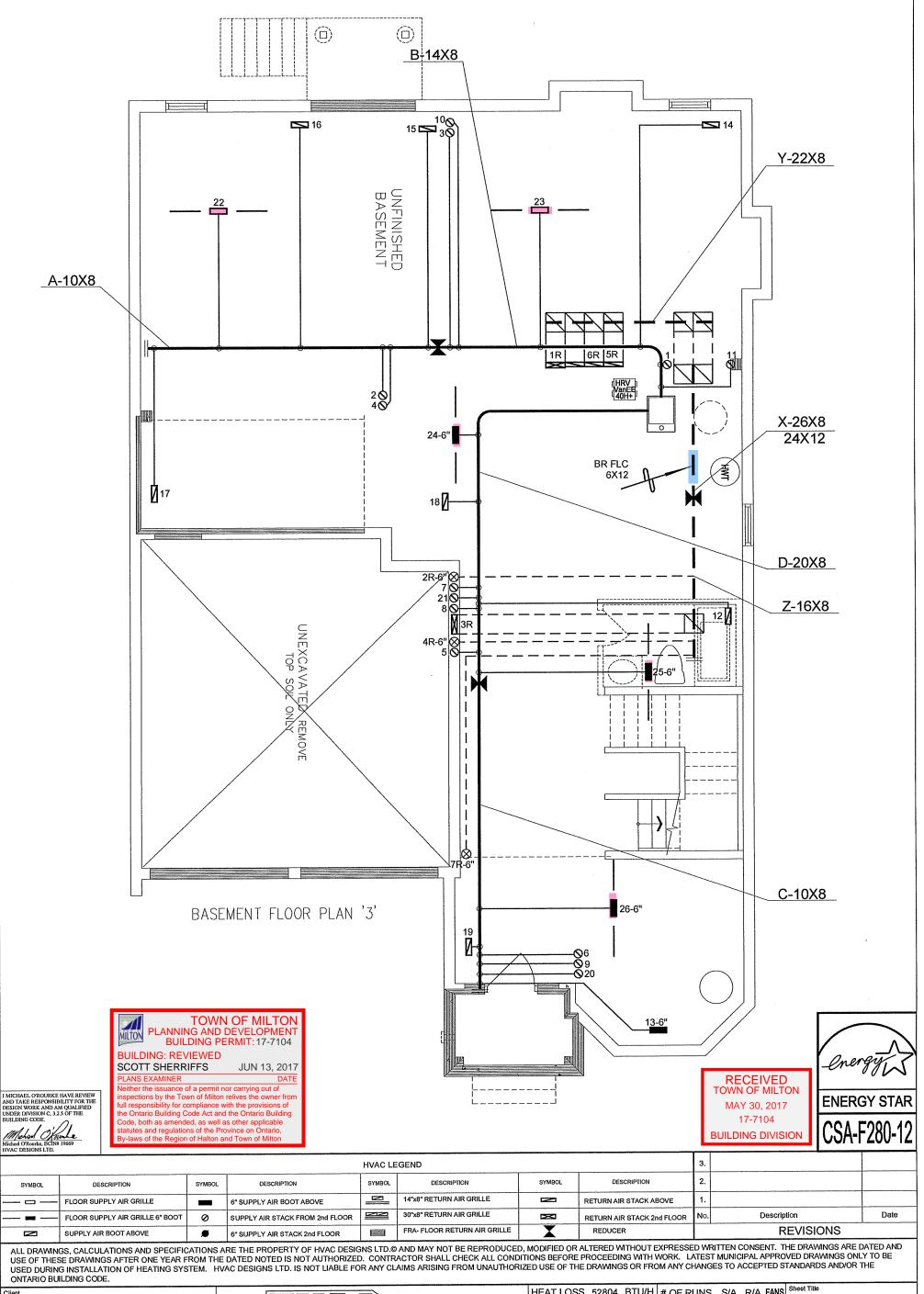
Supplemental tool for CAN/CSA-F280

Weathe	r Station Description
Province:	Ontario
Region:	Milton
Weather Station Location:	Open flat terrain, grass
Anemometer height (m):	10
L	ocal Shielding
Building Site:	Suburban, forest
Walls:	Heavy
Flue:	Неаvy
Highest Ceiling Height (m):	6.71
Build	ing Configuration
Type:	Detached
Number of Stories:	Two
Foundation:	Full
House Volume (m ³):	1350.9
Air Le	akage/Ventilation
Air Tightness Type:	Present (1961-) (3.57 ACH)
Custom BDT Data:	ELA @ 10 Pa. 1800.8 cm ²
	3.57 ACH @ 50 Pa
Mechanical Ventilation (L/s):	Total Supply Total Exhaust
· · ,	45.3 45.3
	Flue Size
Flue #:	#1 #2 #3 #4
Diameter (mm):	0 0 0 0
Natura	al Infiltration Rates
Heating Air Leakage Rate (AC	CH/H): 0.307
Cooling Air Leakage Rate (AC	H/H): 0.105

TYPE: JUNIPER 9 **LO#** 74048

LOT 322

RECEIVED TOWN OF MILTON MAY 30, 2017 17-7104 BUILDING DIVISION



GREENPARK HOMES

Project Name

LECCO RIDGE MILTON, ONTARIO

LOT 322 JUNIPER 9

3483 sqft

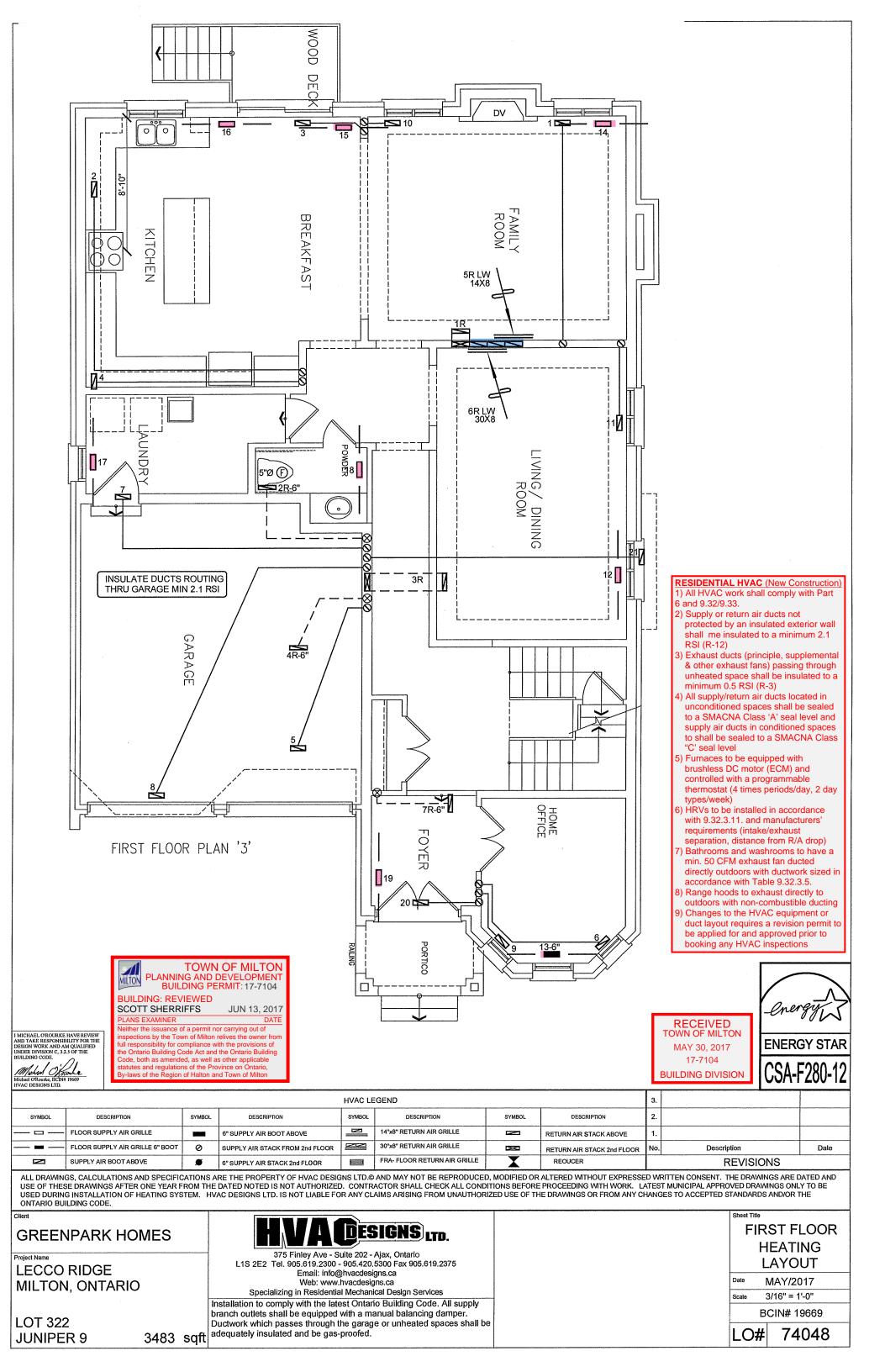
DESIGNS LTD.

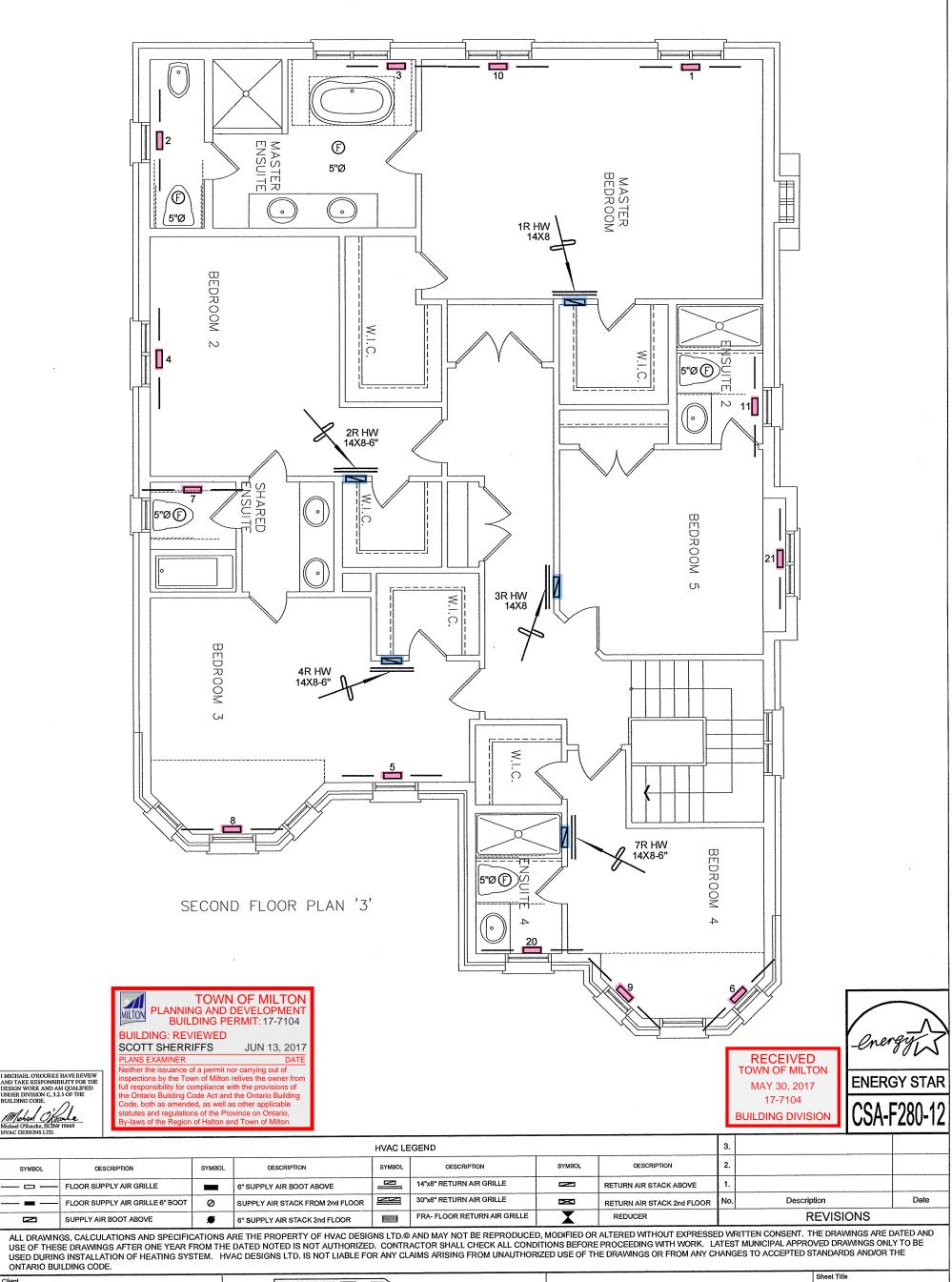
375 Finley Ave - Suite 202 - Ajax, Ontario L1S 2E2 Tel. 905.619.2300 - 905.420.5300 Fax 905.619.2375 Email: info@hvacdesigns.ca Web: www.hvacdesigns.ca Specializing in Residential Mechanical Design Services

adequately insulated and be gas-proofed.

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

	HEAT LO	SS 52804	BTU/H	# OF RUNS	S/A	R/A	FANS		<u> </u>	
	UNIT DATA		3RD FLOOR				BA	SEMENT		
	MAKE	AMANA		2ND FLOOR	13	5	5	• •	EATING	
	MODEL AMVC	960804CN	A	1ST FLOOR	8	2	2	L	AYOUT	
	INPUT	80	MBTU/H	BASEMENT	5	1	0		MAY/2017	
	OUTPUT	70.0	MBTU/H	ALL S/A DIFFUS	SERS	4 "x10	Scale 3/16" = 1'-0" BCIN# 19669			
	COOLING	76.8		UNLESS NOTE ON LAYOUT, A						
)		3.5	TONS	UNLESS NOTE	D OTH	IERW			74040	
	FAN SPEED	1316	cfm @ 0,5" w.c.	ON LAYOUT. U DOORS 1" min.		LO#	74048			





GREENPARK HOMES

Project Name

LECCO RIDGE MILTON, ONTARIO

LOT 322 **JUNIPER 9**

3483 sqft

DESIGNS LTD.

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

Specializing in Residential Mechanical Design Services

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

SECOND FLOOR **HEATING** LAYOUT

MAY/2017 3/16" = 1'-0" Scale BCIN# 19669

LO# 74048