

NOT THE GRANTING OF A PERMIT NOR REVIEWING OF SPECS & DRAWINGS NOR INSPECTIONS MADE DURING INSTALLATION BY THE OFFICIAL HAVING JURISDICTION SHALL RELIEVE THE OWNER FROM REQUIREMENTS OF THE ONTARIO BUILDING CODE AND ANY OTHER REFERENCED REQUIREMENTS.

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#### Block 121 Units 1 to 6

									Offic																		
SITE NAME:									WOB								DATE: Dec-22					AIR CHANGE RATE 0.3					CSA-F280-12
BUILDER:	GREEN	IPARK	HOMES					/PE: (	CHERRY					2030			LO# 99793			UMMER		AIR CHANGE RATE 0.10	0 HEAT GAIN	ΔT °F.	9	SB-12 F	ACKAGE A1
ROOM USE				MBR			ENS		,	WIC		BED-2	!		BED-3				BATH		FLEX						
EXP. WALL	1			13			7			0		11			13				0		0						
CLG. HT.				9			9			9		9			9				9		9						
000 WALL ADDA	FACTO									_																	
	LOSS	GAIN		117			63			0		99			117				0		0						
GLAZING	l			LOSS				AIN		OSS GA		LOSS			LOSS				LOSS			GAIN					
NORTH	20.3	15.0	0	0	0	0		0		0 (			0	0	0	0		0	0	0	0 0	0					
EAST SOUTH	20.3	40.5 23.9	18 0	365 0	730 0	16 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					
WEST SKYLT.	20.3	40.5	0	0	0	0		0	0	0 (			1095 0	24	487	973 0		0	0	0	0 0	0					
DOORS	35.5 19.1	99.8 2.4	0	0	0	0		0	0	0 (			0	0	0	0		0	0	0	0 0	0					
NET EXPOSED WALL	4.3	0.5	99	421	-	47	-	25	0	0 (			39	93	395	50		0	0	0	0 0	0					
NET EXPOSED WALL NET EXPOSED BSMT WALL ABOVE GR	3.4	0.5	0	0	0	0		0	0	0 (			0	0	0	0		0	0	0	0 0	0					
EXPOSED CLG		0.5	286	350				76		98 4			93	155	189	82		63	77	33	381 466	201					
NO ATTIC EXPOSED CLG		1.1	0	0	0	0		0	0	0 (			0	15	39	17		0	0	0	0 0	0					
EXPOSED FLOOR		0.3	42	102		79	-	24			9 17		54	13	32	4		63	153	19	55 134	17		1			
BASEMENT/CRAWL HEAT LOSS		0.5	72	0			0		•••	0	~   ''	0 420	34	"	0	-		33	0		0 134			1			
SLAB ON GRADE HEAT LOSS				0			0			0		0			0				0		0						
SUBTOTAL HT LOSS				1237			892			244		1496			1142				230		599			1			
SUB TOTAL HT GAIN				1201	947			774		<del>244</del> 6	1	1400	1281		. 142	1126			200	53	333	218		1			
LEVEL FACTOR / MULTIPLIER			0.20	0.44		0.20			0.20	0.44	0.2	20 0.44	1201	0.20	0.44	1120		0.20	0.44	00	0.20 0.44	210					
AIR CHANGE HEAT LOSS			0.20	545			393			107	0.2	659		0.20	503			0.20	101		264						
AIR CHANGE HEAT GAIN				040	63			52			ı	000	86		000	75				4	204	15					
DUCT LOSS				178	00		129	-		35		216	00		165	,,,			33	7	86						
DUCT GAIN					221			83			,	2.0	233		100	216			00	6	00	23					
HEAT GAIN PEOPLE	240		2		480	0		0	0	ì			240	1		240		0		0	0	0					
HEAT GAIN APPLIANCES/LIGHTS			_		722	•		0	•	ì			722	'		722		"		0	•	0					
TOTAL HT LOSS BTU/H				1961			1414	•		386		2371			1810				365	·	950						
TOTAL HT GAIN x 1.3 BTU/H					3163			182		9	3	20	3330			3093			000	80	-	332					
																	ı	1					1				
ROOM USE									K	/L/B							W/R		FOY					W	/ОВ		BAS
EXP. WALL										61							13		25					:	27		100
CLG. HT.										10							10		10						9		9
	FACTO	DRS																									
GRS.WALL AREA	LOSS	GAIN								610							130		250					2	243		600
GLAZING									1	OSS GA	JN						1 000 0411								OSS GAIN	i	LOSS GAIN
NORTH	20.3	15.0							_								LOSS GAIN	ı	LOSS	GAIN				LC			0 0
EAST	20.3	40.5								0 (	)						0 0 0	0	LOSS 0	GAIN 0					0 0	0	0 0
SOUTH	20.2								0															0	0 0 912 1824	_	0 0
WEST	20.3	23.9							0 24	0 (	'3						0 0 0	0	0	0				0 45 9		_	
	20.3	23.9 40.5							0 24 0 0	0 ( 487 97 0 ( 0 (	73 ) )						0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 15	0 0 0 304	0 0 0 608				0 45 9 0 0	012 1824 0 0 0 0	0 0	0 0 0 0 0 0
SKYLT.		23.9							0 24 0 0	0 ( 487 97 0 ( 0 ( 0 (	73 ) )						0 0 0 0 0 0 0 0 0	0 0 0	0 0 0	0 0 0 608 0				0 45 9 0 0	012 1824 0 0	0	0 0 0 0 0 0 0 0
SKYLT. DOORS	20.3 35.5 19.1	23.9 40.5 99.8 2.4							0 24 0 0 0 20	0 ( 487 97 0 ( 0 ( 0 ( 382 4	73 ) ) ) 9						0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 15 0 40	0 0 0 304 0 764	0 0 0 608 0 97				0 45 9 0 0 0 20 3	012 1824 0 0 0 0 0 0 0 0	0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 382 49
SKYLT. DOORS NET EXPOSED WALL	20.3 35.5 19.1 4.3	23.9 40.5 99.8 2.4 0.5							0 24 0 0 0 0 20 566	0 (487 97 0 ( 0 ( 0 ( 382 4 2406 30	73 ) ) ) 9						0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 15 0 40 195	0 0 0 304 0 764 829	0 0 0 608 0 97 105				0 45 9 0 0 0 20 3 178 7	012 1824 0 0 0 0 0 0 0 0 882 49 757 96	0 0 0 0 0 20	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
SKYLT. DOORS NET EXPOSED WALL NET EXPOSED BSMT WALL ABOVE GR	20.3 35.5 19.1 4.3 3.4	23.9 40.5 99.8 2.4 0.5 0.4							0 24 0 0 0 20 566 2	0 (487 97 0 (0 (0 (0 (0 (0 (0 (0 (0 (0 (0 (0 (0 (	73 ) ) ) 9 96						0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 15 0 40 195	0 0 0 304 0 764 829	0 0 0 608 0 97 105				0 45 9 0 0 0 20 3 178 7	012 1824 0 0 0 0 0 0 0 0 882 49 757 96 0 0	0 0 0 0 20 0 300	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
SKYLT. DOORS NET EXPOSED WALL NET EXPOSED BSMT WALL ABOVE GR EXPOSED CLG	20.3 35.5 19.1 4.3 3.4 1.2	23.9 40.5 99.8 2.4 0.5 0.4 0.5							0 24 0 0 0 20 566 2	0 (0 487 97 0 (0 0 (0 382 4 2406 30 0 (0	73 ) ) ) 9 )6 )						0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 130 553 70 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 15 0 40 195 0	0 0 0 304 0 764 829 0	0 0 0 608 0 97 105 0				0 45 9 0 0 0 20 3 178 7 0	912 1824 0 0 0 0 0 0 882 49 757 96 0 0	0 0 0 0 20 0 300	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
SKYLT. DOORS NET EXPOSED WALL NET EXPOSED BSMT WALL ABOVE GR EXPOSED CLG NO ATTIC EXPOSED CLG	20.3 35.5 19.1 4.3 3.4 1.2 2.6	23.9 40.5 99.8 2.4 0.5 0.4 0.5							0 24 0 0 0 20 566 2 0	0 (0 487 97 0 (0 0 (0 382 4 2406 30 0 (0 0 (0	73						0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 15 0 40 195 0	0 0 0 304 0 764 829 0 0	0 0 608 0 97 105 0				0 45 9 0 0 0 20 3 178 7 0 0	912 1824 0 0 0 0 0 0 0 882 49 757 96 0 0 0 0	0 0 0 0 20 0 300 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1028 131 0 0 0 0
SKYLT. DOORS NET EXPOSED WALL NET EXPOSED BSMT WALL ABOVE GR EXPOSED CLG NO ATTIC EXPOSED CLG EXPOSED FLOOR	20.3 35.5 19.1 4.3 3.4 1.2	23.9 40.5 99.8 2.4 0.5 0.4 0.5							0 24 0 0 0 20 566 2	0 (487 97 0 (0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	73						0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 130 553 70 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 15 0 40 195 0	0 0 0 304 0 764 829 0 0	0 0 0 608 0 97 105 0				0 45 9 0 0 0 20 3 178 7 0 0	912 1824 0 0 0 0 0 0 882 49 757 96 0 0	0 0 0 0 20 0 300 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
SKYLT. DOORS NET EXPOSED WALL NET EXPOSED BIMT WALL ABOVE GR EXPOSED CLG NO ATTIC EXPOSED CLG EXPOSED FLOOR BASEMENT/CRAWL HEAT LOSS	20.3 35.5 19.1 4.3 3.4 1.2 2.6	23.9 40.5 99.8 2.4 0.5 0.4 0.5							0 24 0 0 0 20 566 2 0	0 (487 97 0 (60 00 0	73						0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 15 0 40 195 0	0 0 0 304 0 764 829 0 0 0	0 0 608 0 97 105 0				0 45 9 0 0 0 20 3 178 7 0 0 0	912 1824 0 0 0 0 0 0 0 0 0 882 49 757 96 0 0 0 0	0 0 0 0 20 0 300 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1028 131 0 0 0 0
SKYLT. DOORS NET EXPOSED WALL NET EXPOSED BIMT WALL ABOVE OR EXPOSED CLG NO ATTIC EXPOSED CLG EXPOSED FLOOR BASEMENT/CRAWL HEAT LOSS SLAB ON GRADE HEAT LOSS	20.3 35.5 19.1 4.3 3.4 1.2 2.6	23.9 40.5 99.8 2.4 0.5 0.4 0.5							0 24 0 0 0 0 20 566 2 0 0	0 (487 97 0 (0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	73						0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 15 0 40 195 0	0 0 0 304 0 764 829 0 0 0	0 0 608 0 97 105 0				0 45 9 0 0 0 20 3 178 7 0 0 0	912 1824 0 0 0 0 0 0 0 0 0 882 49 757 96 0 0 0 0 0 0	0 0 0 0 20 0 300 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
SKYLT. DOORS NET EXPOSED WALL NET EXPOSED BSMT WALL ABOVE OR EXPOSED CLG NO ATTIC EXPOSED CLG EXPOSED FLOOR BASEMENT/CRAWL HEAT LOSS SLAB ON GRADE HEAT LOSS SUBTOTAL HT LOSS	20.3 35.5 19.1 4.3 3.4 1.2 2.6	23.9 40.5 99.8 2.4 0.5 0.4 0.5							0 24 0 0 0 0 20 566 2 0 0	0 (487 97 0 (6 1487 97 14 14 14 14 14 14 14 14 14 14 14 14 14	73						0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 15 0 40 195 0	0 0 0 304 0 764 829 0 0 0	0 0 608 0 97 105 0 0				0 45 9 0 0 0 20 3 178 7 0 0 0	012 1824 0 0 0 0 0 0 0 0 0 882 49 757 96 0 0 0 0 0 0	0 0 0 0 20 0 300 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
SKYLT. DOORS NET EXPOSED WALL NET EXPOSED BMT WALL ABOVE GR EXPOSED CLG NO ATTIC EXPOSED CLG EXPOSED FLOOR BASEMENT/CRAWL HEAT LOSS SLAB ON GRADE HEAT LOSS SUBTOTAL HT LOSS SUB TOTAL HT GAIN	20.3 35.5 19.1 4.3 3.4 1.2 2.6	23.9 40.5 99.8 2.4 0.5 0.4 0.5							0 24 0 0 0 20 566 2 0 0 0	0 (487 97 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	73						0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 15 0 40 195 0 0	0 0 0 304 0 764 829 0 0 0 0 0	0 0 608 0 97 105 0				0 45 9 0 0 0 20 3 178 7 0 0 0	912 1824 0 0 0 0 0 0 0 0 0 882 49 757 96 0 0 0 0 0 0	0 0 0 0 20 0 300 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
SKYLT. DOORS NET EXPOSED WALL NET EXPOSED BSMT WALL ABOVE GR EXPOSED CLG NO ATTIC EXPOSED CLG EXPOSED FLOOR BASEMENT/CRAWL HEAT LOSS SLAB ON GRADE HEAT LOSS SUBTOTAL HT GAIN LEVEL FACTOR / MULTIPLIER	20.3 35.5 19.1 4.3 3.4 1.2 2.6 2.4	23.9 40.5 99.8 2.4 0.5 0.4 0.5							0 24 0 0 0 20 566 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 (487 97 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	73						0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 15 0 40 195 0	0 0 0 304 0 764 829 0 0 0 0 0 1897	0 0 608 0 97 105 0 0				0 45 9 0 0 0 20 3 178 7 0 0 0	012 1824 0 0 0 0 0 0 0 0 0 882 49 757 96 0 0 0 0 0 0	0 0 0 0 20 0 300 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
SKYLT. DOORS NET EXPOSED WALL NET EXPOSED BSMT WALL ABOVE OR EXPOSED CLG NO ATTIC EXPOSED CLG EXPOSED FLOOR BASEMENT/CRAWL HEAT LOSS SLAB ON GRADE HEAT LOSS SUBTOTAL HT LOSS SUB TOTAL HT GAIN LEVEL FACTOR / MULTIPLIER AIR CHANGE HEAT LOSS	20.3 35.5 19.1 4.3 3.4 1.2 2.6 2.4	23.9 40.5 99.8 2.4 0.5 0.4 0.5							0 24 0 0 0 20 566 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 (487 97 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	73 ) ) ) 9 9 96 ) ) )						0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 15 0 40 195 0 0	0 0 0 304 0 764 829 0 0 0 0 0	0 0 0 608 0 97 105 0 0 0				0 45 9 0 0 0 20 3 178 7 0 0 0	012 1824 0 0 0 0 0 0 0 0 0 882 49 757 96 0 0 0 0 0 0	0 0 0 0 20 0 300 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
SKYLT. DOORS NET EXPOSED WALL NET EXPOSED BSMT 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	20.3 35.5 19.1 4.3 3.4 1.2 2.6 2.4	23.9 40.5 99.8 2.4 0.5 0.4 0.5							0 24 0 0 0 20 566 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 (487 97 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	73 ) ) ) 9 9 96 ) ) )						0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 15 0 40 195 0 0	0 0 0 304 0 764 829 0 0 0 0 0 1897	0 0 608 0 97 105 0 0				0 45 9 0 0 0 20 3 178 7 0 0 0	012 1824 0 0 0 0 0 0 0 0 0 882 49 757 96 0 0 0 0 0 0	0 0 0 0 20 0 300 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
SKYLT. DOORS NET EXPOSED WALL NET EXPOSED BSMIT 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	20.3 35.5 19.1 4.3 3.4 1.2 2.6 2.4	23.9 40.5 99.8 2.4 0.5 0.4 0.5							0 24 0 0 0 20 566 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 (487 97 0 (0 0 0 0 (0 382 4 2406 30 0 (0 0	9906						0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 15 0 40 195 0 0	0 0 0 304 0 764 829 0 0 0 0 0 1897	0 0 0 608 0 97 105 0 0 0				0 45 9 0 0 0 20 3 178 7 0 0 0	012 1824 0 0 0 0 0 0 0 0 0 882 49 757 96 0 0 0 0 0 0	0 0 0 0 20 0 300 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
SKYLT. DOORS NET EXPOSED WALL NET EXPOSED BSMT WALL ABOVE GR EXPOSED CLG NO ATTIC EXPOSED CLG EXPOSED FLOOR BASEMENT/CRAWL HEAT LOSS SLAB ON GRADE HEAT LOSS SUBTOTAL HT GAIN LEVEL FACTOR / MULTIPLIER AIR CHANGE HEAT LOSS AIR CHANGE HEAT GAIN DUCT GAIN	20.3 35.5 19.1 4.3 3.4 1.2 2.6 2.4	23.9 40.5 99.8 2.4 0.5 0.4 0.5							0 24 0 0 0 20 566 2 0 0 0 0 0 3	0 (487 97 0 (0 0 0 3882 4 2406 30 0 (0 0 0 0 0 0 0 0 0 3275 13 2207 8	99 966 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9						0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 15 0 40 195 0 0 0	0 0 0 304 0 764 829 0 0 0 0 0 1897	0 0 0 608 0 97 105 0 0 0				0 45 9 0 0 0 20 3 178 7 0 0 0 0	912 1824 0 0 0 0 0 0 0 882 49 757 96 0 0 0 0 0 0 0 0 0 247 298	0 0 0 0 20 0 300 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
SKYLT. DOORS NET EXPOSED WALL NET EXPOSED BSMT WALL ABOVE OR EXPOSED CLG NO ATTIC EXPOSED CLG EXPOSED FLOOR BASEMENT/CRAWL HEAT LOSS SLAB ON GRADE HEAT LOSS SUBTOTAL HT LOSS SUB TOTAL HT GAIN LEVEL FACTOR / MULTIPLIER AIR CHANGE HEAT LOSS AIR CHANGE HEAT GAIN DUCT LOSS DUCT GAIN HEAT GAIN PEOPLE	20.3 35.5 19.1 4.3 3.4 1.2 2.6 2.4	23.9 40.5 99.8 2.4 0.5 0.4 0.5							0 24 0 0 0 20 566 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 (487 97 0 (0 0 0 0 (0 0 0 0 (0 0	999999999999999999999999999999999999999						0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 15 0 40 195 0 0	0 0 0 304 0 764 829 0 0 0 0 0 1897	0 0 0 608 0 97 105 0 0 0 0 811				0 45 9 0 0 0 20 3 178 7 0 0 0	012 1824 0 0 0 0 0 0 0 0 0 882 49 757 96 0 0 0 0 0 0	0 0 0 0 20 0 300 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
SKYLT. DOORS NET EXPOSED WALL NET EXPOSED BSMT 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	20.3 35.5 19.1 4.3 3.4 1.2 2.6 2.4	23.9 40.5 99.8 2.4 0.5 0.4 0.5							0 24 0 0 0 20 566 2 0 0 0 0	0 (487 97 0 (0 0 0 0 0 0 0 0 382 44406 30 0 0 0 0 0 0 3275 13 0.67 2207 8	999999999999999999999999999999999999999						0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 15 0 40 195 0 0 0	0 0 0 304 0 764 829 0 0 0 0 0 1897 0.67 1279	0 0 0 608 0 97 105 0 0 0				0 45 9 0 0 0 0 20 3 178 7 0 0 0 0 2 2:	912 1824 0 0 0 0 0 0 882 49 757 96 0 0 0 0 0 0 247 298	0 0 0 0 20 0 300 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
SKYLT. DOORS NET EXPOSED WALL NET EXPOSED BSMT WALL ABOVE OR EXPOSED CLG NO ATTIC EXPOSED CLG EXPOSED FLOOR BASEMENT/CRAWL HEAT LOSS SLAB ON GRADE HEAT LOSS SUBTOTAL HT LOSS SUB TOTAL HT GAIN LEVEL FACTOR / MULTIPLIER AIR CHANGE HEAT LOSS AIR CHANGE HEAT GAIN DUCT LOSS DUCT GAIN HEAT GAIN PEOPLE	20.3 35.5 19.1 4.3 3.4 1.2 2.6 2.4	23.9 40.5 99.8 2.4 0.5 0.4 0.5							0 24 0 0 0 20 566 2 0 0 0 0	0 (487 97 0 (0 0 0 0 (0 0 0 0 (0 0	999660000000000000000000000000000000000						0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 15 0 40 195 0 0 0	0 0 0 304 0 764 829 0 0 0 0 0 1897 0.67 1279	0 0 0 608 0 97 105 0 0 0 0 811				0 45 9 0 0 0 0 20 3 178 7 0 0 0 0 2 2:	912 1824 0 0 0 0 0 0 0 882 49 757 96 0 0 0 0 0 0 0 0 0 247 298	0 0 0 0 20 0 300 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0

TOTAL HEAT GAIN BTU/H:

19351

TONS: 1.61

LOSS DUE TO VENTILATION LOAD BTU/H: 1243

STRUCTURAL HEAT LOSS: 30253

TOTAL COMBINED HEAT LOSS BTU/H: 31496

Mehad Oxombe.



SITE NAME: BARLASSINA BUILDER: GREENPARK HOMES									WOB CHERRY				DATE:	Dec-22			GFA: 2030	LO#	99793				
	22.97		TOTAL F		19,193 36.21	_	а	furı a/c coil ıvailable	pressure nace filter pressure pressure s/a & r/a	0.6 0.05 0.2 0.35						(	GMEC960402BN FAN SPEE LOV	D V	MAN	OUTPUT	AFUE = (BTU/H) = (BTU/H) =	40,000 <b>38,400</b>	
RUN COUNT S/A	4th	3rd 0	2nd 10	1st 5	Bas 4		nle	anum nre	ssure s/a	0.18		r/a	pressure	0.17			MEDLOW MEDIUI			DESI	GN CFM =	<b>695</b> 6 " E.S.P.	_
R/A	0	0	4	1	1				ress. loss	0.18	r/a		ess. Loss				MEDIUM HIG				CINIW.	U L.G.I .	
All S/A diffusers 4"x10" unle				out.		-	min adjı	usted pre	ssure s/a	0.17	adj	usted pre	ssure r/a	0.15			HIGH	l 890		TEMPERAT	URE RISE	51	_ °F
All S/A runs 5"Ø unless not	ted other	wise on la	ayout. 3	4	5	6	7	8	9	10				14	15	16	18	19		21	22	23	24
ROOM NAME RM LOSS MBH. CFM PER RUN HEAT RM GAIN MBH. CFM PER RUN COOLING ADJUSTED PRESSURE	MBR 0.98 23 1.58 57 0.17	ENS 1.41 32 1.18 43 0.17	WIC 0.39 9 0.09 3 0.17	BED-3 0.90 21 1.55 56 0.17	BED-2 1.19 27 1.66 60 0.17	BED-2 1.19 27 1.66 60 0.17	BATH 0.36 8 0.08 3 0.17	FLEX 0.95 22 0.33 12 0.17	BED-3 0.90 21 1.55 56 0.17	MBR 0.98 23 1.58 57 0.17				K/L/B 1.83 42 0.93 34 0.17	K/L/B 1.83 42 0.93 34 0.17	K/L/B 1.83 42 0.93 34 0.17	W/R 0.93 21 0.10 4 0.17	FOY 3.18 73 1.12 41 0.17		BAS 2.85 66 0.98 35 0.17	BAS 2.85 66 0.98 35 0.17	BAS 2.85 66 0.98 35 0.17	BAS 2.85 66 0.98 35 0.17
ACTUAL DUCT LGH. EQUIVALENT LENGTH TOTAL EFFECTIVE LENGTH ADJUSTED PRESSURE ROUND DUCT SIZE HEATING VELOCITY (ff/min) COOLING VELOCITY (ff/min)	46 180 226 0.08 5 169 419	45 150 195 0.09 4 367 493	36 160 196 0.09 4 103 34	65 180 245 0.07 5 154 411	62 160 222 0.08 5 198 441	69 180 249 0.07 5 198 441	69 190 259 0.07 4 92 34	41 170 211 0.08 4 252 138	51 140 191 0.09 5 154 411	39 140 179 0.1 5 169 419				17 120 137 0.13 4 482 390	32 90 122 0.14 4 482 390	24 80 104 0.17 4 482 390	34 140 174 0.1 4 241 46	47 110 157 0.11 5 536 301		43 100 143 0.12 5 485 257	25 110 135 0.13 5 485 257	13 110 123 0.14 5 485 257	34 130 164 0.1 5 485 257
OUTLET GRILL SIZE TRUNK	3X10 A	3X10 A	3X10 B	3X10 C	3X10 C	3X10 C	3X10 C	3X10 C	3X10 C	3X10 A				3X10 B	3X10 B	3X10 B	3X10 C	3X10 C		3X10 A	3X10 B	3X10 C	3X10 A
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																							
SUPPLY AIR TRUNK SIZE  TRUNK A TRUNK B TRUNK C TRUNK D TRUNK E TRUNK F	TRUNK CFM 210 411 286 0 0	STATIC PRESS. 0.08 0.08 0.07 0.00 0.00 0.00	7.8 10.1 9.1 0 0	RECT DUCT 8 12 12 0 0	x x x x x	8 8 8 8 8	VELOCITY (ft/min) 473 617 429 0 0		TRUNK G TRUNK H TRUNK I TRUNK J TRUNK K TRUNK L	TRUNK CFM 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 0 0	RECT DUCT 0 0 0 0 0 0 0 0 0 0	x x x x x	8 8 8 8 8	VELOCITY (ft/min) 0 0 0 0 0 0 0 0	RETURN AIR TRUNK	NK SIZE  STATIC  PRESS  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05		RECT DUCT 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	x x x x x x x	8 8 8 8 8	VELOCITY (ft/min) 0 0 0 0 0 0 0 0 0 0
RETURN AIR #  AIR VOLUME PLENUM PRESSURE ACTUAL DUCT LGH. EQUIVALENT LENGTH TOTAL EFFECTIVE LH ADJUSTED PRESSURE ROUND DUCT SIZE INLET GRILL SIZE  INLET GRILL SIZE	1 0 95 0.15 44 100 144 0.10 5.5 8 X	2 0 75 0.15 41 270 311 0.05 6 8 X 14	3 0 75 0.15 26 265 291 0.05 6 8 X	4 0 85 0.15 27 225 252 0.06 6 8 X 14	5 0 233 0.15 36 185 221 0.07 8.4 8 X 24	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 0.15 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	132 0.15 14 135 149 0.10 6.2 8 X 14	TRUNK W 0 TRUNK X 695 TRUNK Y 468 TRUNK Z 235 DROP 695	0.05 0.05 0.05 0.05 0.05	0 13.8 11.9	0 22 16 10 24	x x x x x	8 8 8 8 10	0 569 527 423 417



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Tel: 905.619.2300 Fax: 905.619.2375
Web: www.hvacdesigns.ca E-mail: info@hvacdesigns.ca

TYPE: CHERRY 2 LO #
SITE NAME: BARLASSINA

### WOB RESIDENTIAL MECHANICAL VENTILATION DESIGN SUMMARY

99793

COMBUSTION APPLIANCES	9.32.3.1(1)	SUPPLEMENTAL V	ENTILATION CAPACITY			9.32.3.5.
a)		Total Ventilation Ca	pacity	127.2	_	cfm
b) Positive venting induced draft (except fireplaces)		Less Principal Venti	I. Capacity	63.6	_	cfm
c) Natural draft, B-vent or induced draft gas fireplace		Required Suppleme	ntal Capacity	63.6	_	cfm
d) Solid Fuel (including fireplaces)		DRINGIDAL EVHAL	IST FAN CAPACITY			
e) No Combustion Appliances		Model:	VANEE V150H	Location:	RS	SMT
HEATING SYSTEM		63.6		Eddation		VI Approved
			cfm	TION	<u> </u>	vi Appioved
Forced Air Non Forced Air		CFM	DST HEAT LOSS CALCULA ΔT °F	FACTOR		% LOSS
Electric Space Heat		63.6 CFM	X 72 F	X 1.08	X	0.25
		SUPPLEMENTAL F		INSTALLING CON		
HOUSE TYPE	9.32.1(2)	Location ENS	Model BY INSTALLING CONTRACT	cfm OR 50	HVI	Sones 3.5
	0.02.1(2)	BATH	BY INSTALLING CONTRACT		<b>√</b>	3.5
✓ I Type a) or b) appliance only, no solid fuel		W/R	BY INSTALLING CONTRACT	OR 50	<b>✓</b>	3.5
II Type I except with solid fuel (including fireplaces	5)	HEAT RECOVERY	VENTILATOR			9.32.3.11.
III Any Type c) appliance		Model:	VANEE V150H			
IV Type I, or II with electric space heat		150	cfm high	35	_	cfm low
Other: Type I, II or IV no forced air		75	% Sensible Efficiency @ 32 deg F ( 0 deg C		✓ H	VI Approved
		LOCATION OF INC	TALL ATION			
SYSTEM DESIGN OPTIONS	O.N.H.W.P.	LOCATION OF INS	TALLATION			
A Estavolante/Farrad Air Custom		Lot:		Concession		
1 Exhaust only/Forced Air System		Township		Plan:		
2 HRV with Ducting/Forced Air System		Address				
HRV Simplified/connected to forced air system		Roll #		Building Perr	nit#	
4 HRV with Ducting/non forced air system		BUILDER:	GREENPARK HOME	:S		
Part 6 Design		Name:				
TOTAL VENTILATION CAPACITY	9.32.3.3(1)	Address:				
Basement + Master Bedroom 2 @ 21.2 cfm 42.4	cfm	City:				
Other Bedrooms <u>2</u> @ 10.6 cfm <u>21.2</u>	cfm	Telephone #:		Fax#:		
Kitchen & Bathrooms <u>4</u> @ 10.6 cfm <u>42.4</u>	cfm	INSTALLING CONT	RACTOR			
Other Rooms 2 @ 10.6 cfm 21.2	cfm	Name:				
Table 9.32.3.A. TOTAL 127.2	cfm	Address:				
		City:				
PRINCIPAL VENTILATION CAPACITY REQUIRED	9.32.3.4.(1)					
1 Bedroom 31.8	cfm	Telephone #:		Fax#:		
2 Bedroom 47.7	cfm	DESIGNER CERTIF I hereby certify that	FICATION this ventilation system has be	een designed		
3 Bedroom 63.6	cfm		he Ontario Building Code. HVAC Designs Ltd.			
4 Bedroom 79.5	cfm	Signature:		Sehar Ofounte		
5 Bedroom 95.4	cfm	HRAI#	7/4/	001820		
TOTAL 62.6 -f				December-22		
TOTAL 63.6 cfm	IEIED IN THE AR	Date:	"OTHER RESIGNED" LINDER DIVIS		III DING COL	)C



			CSA F28	80-12 Residential Hea	t Loss and Heat Gain	Calculations								
			Form	ula Sheet (For Air Lea	kage / Ventiliation C	alculation)								
LO#: 9	9793	Model: CHERRY 2			r: GREENPARK HOMES	•			Date:	12/21/2022				
		Volume Calculatio	n				Air Change & Delt	a T Data						
				_										
House Volume						WINTER NA	TURAL AIR CHANG	E RATE	0.376					
Level	Floor Area (ft²)	Floor Height (ft)	Volume (ft³)			SUMMER NA	TURAL AIR CHANG	SE RATE	0.100					
Bsmt	812	9	7308											
First	812	10	8120											
Second	1218	9	10962					mperature Diff						
Third	0	9	0				Tin °C	Tout °C	ΔT °C	ΔT °F				
Fourth	0	9	0			Winter DTDh	22	-18	40	72				
		Total:	26,390.0 ft <sup>3</sup>			Summer DTDc	24	29	5	9				
		Total:	747.3 m³											
	523	1 Heat Loss due to Ai	r Leakage		6.2.6 Sensible Gain due to Air Leakage									
					+	0.2.0		to /canage						
	***	$V_b$					$V_h$							
	$HL_{airb} =$	$LR_{airh} \times \frac{V_b}{3.6} \times L$	$TD_h \times 1.2$		H	$IG_{salb} = LR_{airc} \times$	$(\frac{5}{3.6} \times DTD_c)$	× 1.2						
0.376	x 207.58	x 40 °C	x 1.2	= 3770 W	= 0.100	x 207.58	0.0		=	127 W				
0.070	x <u>207130</u>		~ <u>-1.2</u>	077011		x <u>207.55</u>	- ^	^	-	227 **				
				= 12862 Btu/h	<b>†</b>				=	433 Btu/h				
				22002 2107	L									
	5.2.3.2 Hea	t Loss due to Mechan	ical Ventilation			6.2.7 Ser	sible heat Gain d	ue to Ventilatio	n					
	$HL_{nairh} = 1$	$PVC \times DTD_h \times 1$	$.08 \times (1 - E)$		$HL_{vairh} = PVC \times DTD_h \times 1.08 \times (1 - E)$									
	valib	n				vati b	7.	` ,						
64 CFM	x 72 °F	x 1.08	x 0.25	= 1243 Btu/h	64 CFM	y 9°F	x 1.08	x 0.25	=	158 Btu/h				
04 61 141	× <u>/2 !</u>	X	X <u>0.23</u>	1245 Btu/ II	<u> </u>		x <u>1.00</u>	x <u>0.23</u>	-	130 5 (4) 11				
			5 2 2 2 Calculat	tion of Air Change Heat	oss for Each Room (Flor	or Multiplier Section)								
			3.2.3.3 Calcula	tion of All Change Heat	LOSS TOT LACTI NOOTH (TTO	or waitiplier section,								
		$HL_{\infty}$	= Level Facto	$or \times HL_{airbv} \times \{(Hairbv) $	(La a au + HLa a au ) ÷	$(HL_{aaalana} + HL_{b})$	h = = ( = = = 1 )}							
		u	77 =		-ugcr ·bycr)	(uycievei ·	ogcievei ) i							
				HLairve Air Leakage +	Level Conductive Heat	Air Leakage Heat Lo	s Multiplier (LF x							
		Level	Level Factor (LF)	Ventilation Heat Loss	Loss: (HL <sub>clevel</sub> )	HLairby / H								
				(Btu/h)	LOSS. (IILclevel)	IILaii DV / I	ilicveij							
		1	0.5		4,983	1.29								
		2	0.3		5,725	0.67								
		3	0.2	12,862	5,841	0.44	0							
		4	0		0	0.00			Michael O'Ro					
		5	0		0	0.00	0		BCIN# 19669	)				
		*HLairbv = A	r leakage heat loss +	ventilation heat loss						10001				
			J	entilation system HLairve	= 0				Mucha	of Ofounde.				



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

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

MODEL:	CHERRY 2	,	WOB	BUILDER: GREENPARK HOMES	;
SFQT:	2030	LO#	99793	SITE: BARLASSINA	
DESIGN A	SSUMPTIONS				
	R DESIGN TEMP. DESIGN TEMP. G DATA		°F 0 72	COOLING OUTDOOR DESIGN TEMP. INDOOR DESIGN TEMP. (MAX 75°F) WINDOW SHGC	°F 84 75 0.50
ATTACHM	1ENT:	A	ATTACHED	# 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 EX	POSURE:	S	HELTERED	ASSUMED (Y/N):	Υ
HOUSE V	OLUME (ft³):		26390.0	ASSUMED (Y/N):	Υ
INTERNAL	L SHADING:	BLINDS/	CURTAINS	ASSUMED OCCUPANTS:	4
INTERIOR	LIGHTING LOAD (Btu/h	/ft²):	1.27	DC BRUSHLESS MOTOR (Y/N):	Υ
FOUNDAT	TION CONFIGURATION		BCIN_1	DEPTH BELOW GRADE:	6.0 ft
LENGTH:	62.0 ft	WIDTH:	17.0 ft	EXPOSED PERIMETER:	100.0 ft
WOB INS	ULATION CONFIGURATION	ON	SCB_9	WOB EXPOSED PERIMETER	27.0 ft

Component		ce Package A1
·	Nominal	Min. Eff.
Ceiling with Attic Space Minimum RSI (R)-Value	60	59.22
Ceiling Without Attic Space Minimum RSI (R)-Value	31	27.65
Exposed Floor Minimum RSI (R)-Value	31	29.80
Walls Above Grade Minimum RSI (R)-Value	22	17.03
Basement Walls Minimum RSI (R)-Value	20 ci	21.12
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	10	10
Heated Slab or Slab ≤ 600 mm below grade Minimum RSI (R)-Value	10	11.13
Windows and Sliding Glass Doors Maximum U-Value	0.28	-
Skylights Maximum U-Value	0.49	-
Space Heating Equipment Minimum AFUE	96%	-
HRV/ERV Minimum Efficiency	75%	-
Domestic Hot Water Heater Minimum EF	0.8	-

INDIVIDUAL BCIN: 19669 MICHAEL O'ROURKE

Mehad Offmhe.



## **Residential Foundation Thermal Load Calculator**

Supplemental tool for CAN/CSA-F280

We	eather Sta	tion Description									
Province:	Ontario	·									
Region:	Cambrid	ridge									
	Site D	escription									
Soil Conductivity:	Normal o	conductivity: dry sand, loam, clay									
Water Table:	Normal (	7-10 m, 23-33 ft)									
Foundation Dimensions											
Floor Length (m):	4.6										
Floor Width (m):	5.2										
Exposed Perimeter (m):	30.5										
Wall Height (m):	2.7										
Depth Below Grade (m):	1.44	Insulation Configuration									
Window Area (m²):	0.0										
Door Area (m²):	1.9										
	Radi	ant Slab									
Heated Fraction of the Slab:	0										
Fluid Temperature (°C):	33										
	Desig	n Months									
Heating Month	1										
	Founda	ation Loads									
Heating Load (Watts):		374									

**TYPE:** CHERRY 2 **LO#** 99793

**WOB** 





#### **Residential Slab on Grade Thermal Load Calculator**

Supplemental tool for CAN/CSA-F280

Wea	ther Sta	tion Description							
Province:	Ontario								
Region:	Cambridg	e							
	Site D	escription							
Soil Conductivity:	Normal co	onductivity: dry sand, loam, clay							
Vater Table: Normal (7-10 m, 23-33 ft)									
Foundation Dimensions									
Length (m):	1.5								
Width (m):	5.2	-+ 0.6m +							
Exposed Perimeter (m):	8.2	Insulation Configuration							
	Radia	ant Slab							
Heated Fraction of the Slab:	0								
Fluid Temperature (°C):	33								
	Desigr	n Months							
Heating Month	1								
	Re	esults							
Heating Load (Watts):		72							

TYPE: CHERRY 2 WOB





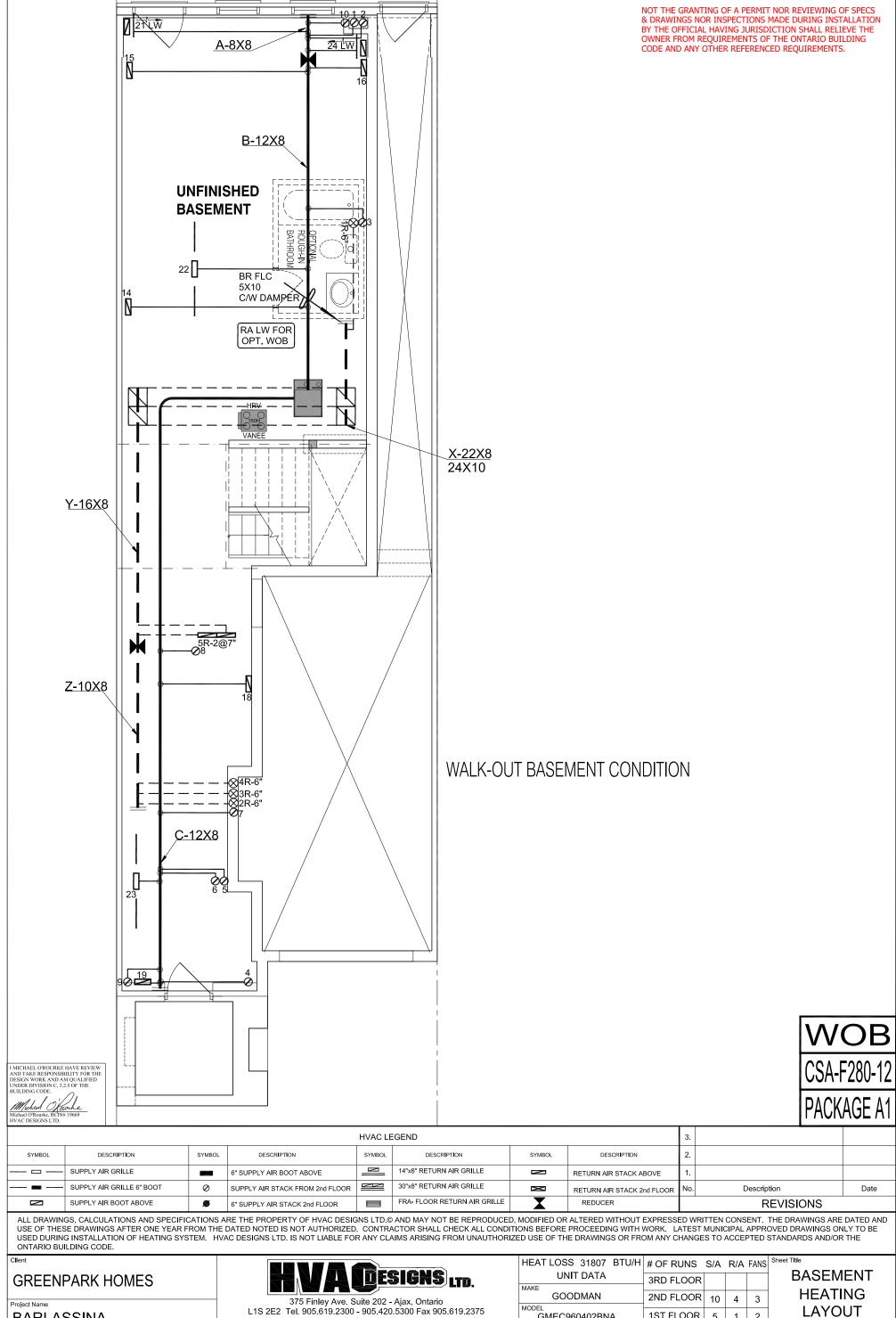
## **Air Infiltration Residential Load Calculator**

Supplemental tool for CAN/CSA-F280

Weather Statio	n Des	cript	ion					
Province:	Ontai	rio						
Region:	Camb	ridge						
Weather Station Location:	Open flat terrain, grass							
Anemometer height (m):	10							
Local Sh	ieldin	g						
Building Site:	Subu	rban, f	orest					
Walls:	Heav	y						
Flue:	Heav	y						
Highest Ceiling Height (m):	8.53							
Building Cor	figur	ation						
Туре:	Semi							
Number of Stories:	Two							
Foundation:	Full							
House Volume (m³):	747.3							
Air Leakage/	Venti	latior	1					
Air Tightness Type:	Prese	nt (19	61-) (3	.57 ACI	Н)			
Custom BDT Data:	ELA @	9 10 Pa	a.		996.1 cm <sup>2</sup>			
	3.57				ACH @ 50 Pa			
Mechanical Ventilation (L/s):	To	tal Sup	ply		Total Exhaust			
		30.0			30.0			
Flue	Size							
Flue #:	#1	#2	#3	#4				
Diameter (mm):	0	0	0	0				
Natural Infilt	ation	Rate	es					
Heating Air Leakage Rate (ACH/H):		C	).37	6				
Cooling Air Leakage Rate (ACH/H):		C	).10	0				

TYPE: CHERRY 2 WOB





**BARLASSINA** CAMBRIDGE, ONTARIO Block 121 Units 1 to 6 **WOB** 

CHERRY 2

Email: info@hvacdesigns.ca Web: www.hvacdesigns.ca

adequately insulated and be gas-proofed.

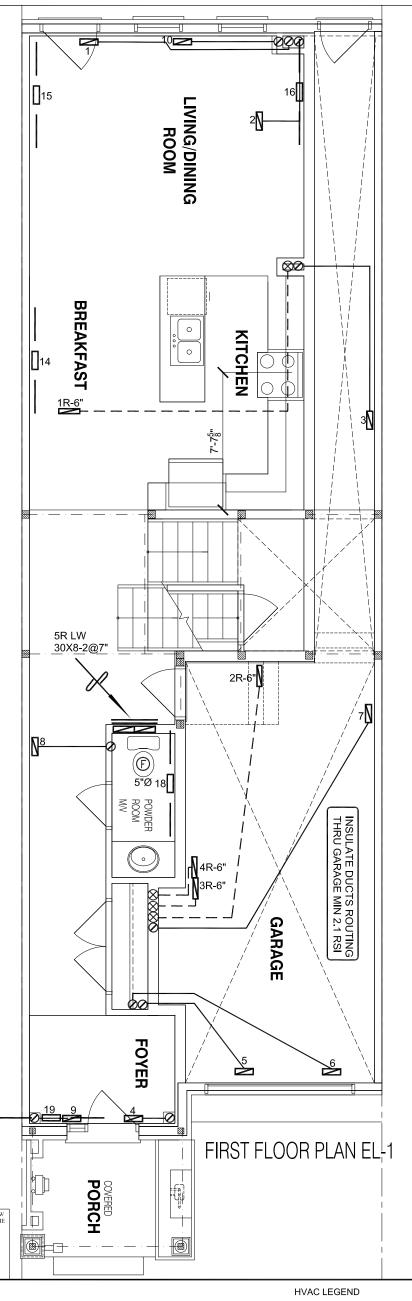
Specializing in Residential Mechanical Design Services Installation to comply with the latest Ontario Building Code. All supply branch outlets shall be equipped with a manual balancing damper. Ductwork which passes through the garage or unheated spaces shall be

	HEAT L	OSS 31807	BTU/H	# OF RUNS	S/A	R/A	FANS	Shee
	NAME	UN <b>I</b> T DATA		3RD FLOOR				
	MAKE (	GOODMAN		2ND FLOOR	10	4	3	
	MODEL GME	EC960402BN	Α	1ST FLOOR	5	1	2	
	INPUT	40	MBTU/H	BASEMENT	4	1	0	Date
_	OUTPUT		MBTU/H	ALL S/A DIFFU:	SERS	4 "x10	)"	Scal
	COOLING	38.4		UNLESS NOTE				
,	COOLING	1.5	TONS	ON LAYOUT. A				
	FAN SPEED		cfm @	ON LAYOUT. U			IOL	L

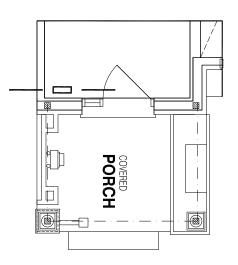
DOORS 1" min. FOR R/A

695

۱S	Sheet Title										
	BA	ASEMENT									
	HEATING										
,	L	_AYOUT									
·  -	Date	DEC/2022									
	Scale	3/16" = 1'-0"									
Ø	В	CIN# 19669									
	LO#	99793									



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FIRST FLOOR PLAN EL-2

WOB
CSA-F280-12
PACKAGE A1

		3.							
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	2.	
	SUPPLY AIR GRILLE		6" SUPPLY AIR BOOT ABOVE		14"x8" RETURN AIR GRILLE		RETURN AIR STACK ABOVE	1.	
	SUPPLY AIR GRILLE 6" BOOT	0	SUPPLY AIR STACK FROM 2nd FLOOR	<u> </u>	30"x8" RETURN AIR GRILLE	$\bowtie$	RETURN AIR STACK 2nd FLOOR	No. Description	Date
	SUPPLY AIR BOOT ABOVE	<b>Ø</b>	6" SUPPLY AIR STACK 2nd FLOOR		FRA- FLOOR RETURN AIR GRILLE	X	REDUCER	REVISIO	NS

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Cllent

#### GREENPARK HOMES

Project Name

BARLASSINA CAMBRIDGE, ONTARIO Block 121 Units 1 to 6 WOB

WOB
CHERRY 2 2030 sqft

# HVA DESIGNS LTD.

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

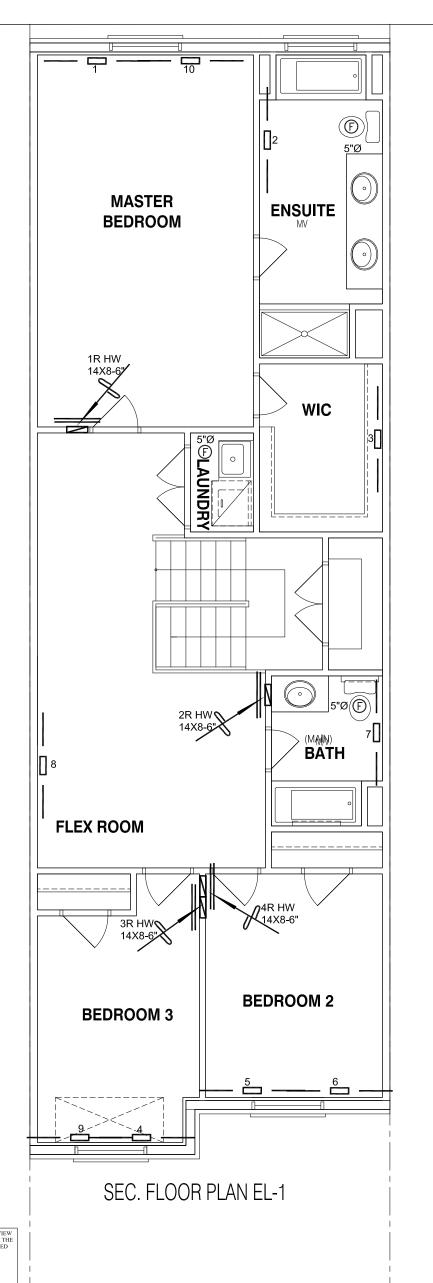
Specializing in Residential Mechanical Design Services

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

FIRST FLOOR HEATING LAYOUT

Date DEC/2022 Scale 3/16" = 1'-0"

BCIN# 19669



NOT THE GRANTING OF A PERMIT NOR REVIEWING OF SPECS & DRAWINGS NOR INSPECTIONS MADE DURING INSTALLATION BY THE OFFICIAL HAVING JURISDICTION SHALL RELIEVE THE OWNER FROM REQUIREMENTS OF THE ONTARIO BUILDING CODE AND ANY OTHER REFERENCED REQUIREMENTS.



WOB

HVAC LEGEND								3.			
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	2.			
	SUPPLY AIR GRILLE		6" SUPPLY AIR BOOT ABOVE		14"x8" RETURN AIR GRILLE		RETURN AIR STACK ABOVE	1.			
	SUPPLY AIR GRILLE 6" BOOT	0	SUPPLY AIR STACK FROM 2nd FLOOR	<u> </u>	30"x8" RETURN AIR GRILLE	×	RETURN AIR STACK 2nd FLOOR	No.	Description	Date	
	SUPPLY AIR BOOT ABOVE	Ø	6" SUPPLY AIR STACK 2nd FLOOR		FRA- FLOOR RETURN AIR GRILLE	X	REDUCER		REVISIONS		

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#### **GREENPARK HOMES**

Project Name

**BARLASSINA** CAMBRIDGE, ONTARIO Block 121 Units 1 to 6 **WOB** 

CHERRY 2

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 2030 sqft adequately insulated and be gas-proofed.

SECOND FLOOR **HEATING** 

**LAYOUT** DEC/2022 3/16" = 1'-0"

BCIN# 19669