



Load Short Form

Entire House

Saltberry Design

Job:
Date: Sep 20, 2023
By:

Cert.#: (RHLG, RASD)

311 Highland Ave., Fort Erie, ON L2A 2Y1 Phone: 905.658.6452 Email: curtis@saltberrydesign.com Web: www.saltberrydesign.com License: #31364 #44567

Project Information

For:
12 FULTON ST, TORONTO, ON

Design Information

	Htg	Clg		Infiltration
Outside db (°F)	0	88	Method	F280-12
Inside db (°F)	72	75	Exposure category	No local shielding
Design TD (°F)	72	13	Construction category	Present (1961-) (ACH=3.57)
Daily range	-	L	Number of stories	2.0
Inside humidity (%)	50	50		
Moisture difference (gr/lb)	54	33		

HEATING EQUIPMENT

Make	Generic
Trade	
Model	AFUE 96
AHRI ref	
Efficiency	96 AFUE
Heating input	36329 Btuh
Heating output	34876 Btuh
Temperature rise	68 °F
Actual air flow	474 cfm
Air flow factor	0.014 cfm/Btuh
Static pressure	0.50 in H2O
Space thermostat	

COOLING EQUIPMENT

Make	Generic
Trade	
Cond	SEER 18.0
Coil	
AHRI ref	
Efficiency	14.7 EER, 18 SEER
Sensible cooling	9947 Btuh
Latent cooling	4263 Btuh
Total cooling	14210 Btuh
Actual air flow	474 cfm
Air flow factor	0.048 cfm/Btuh
Static pressure	0.50 in H2O
Load sensible heat ratio	0.77

ROOM NAME	Area (ft²)	Htg load (Btuh)	Clg load (Btuh)	Htg AVF (cfm)	Clg AVF (cfm)
Bedroom	164	2059	683	28	33
NEW BATH	52	856	560	12	27
STUDY	65	1295	455	18	22
Entry	152	2240	620	30	30
Living Rm	275	4133	1319	56	63
New Kitchen	230	3115	1206	42	57
BATH RM	83	1304	577	18	27
BDRM2	102	895	644	12	31
BDRM3	171	2163	834	29	40
ENSUITE	58	501	297	7	14
PRIMARY BDRM	185	2569	1156	35	55
BDRM1	185	1939	786	26	37
STAIRS/HALL	105	1612	811	22	39
MECH	76	1476	0	20	0

LAUNDRY		77	857	0	12	0
WR		68	1379	0	19	0
NEW REC		310	3168	0	43	0
STORAGE		58	446	0	6	0
GYM		307	2869	0	39	0
Entire House	d	2724	34876	9947	474	474
Other equip loads			0	0		
Equip. @ 1.00 RSM				9947		
Latent cooling				2984		
TOTALS		2724	34876	12931	474	474



Building Analysis

Entire House

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Project Information

For: 12 FULTON ST, TORONTO, ON

Design Conditions

Location:

Toronto (City Hall), ON, CA
Elevation: 0 ft
Latitude: 44°N

Outdoor:

Drybulb (°F)
Daily range (°F)
Wet bulb (°F)
Wind speed (mph)

Heating

0
-
-
14.3

Cooling

88
13 (L)
73
7.5

Indoor:

Indoor temperature (°F)
Design TD (°F)
Relative humidity (%)
Moisture difference (gr/lb)

Heating

72
72
50
54.2

Cooling

75
13
50
33.3

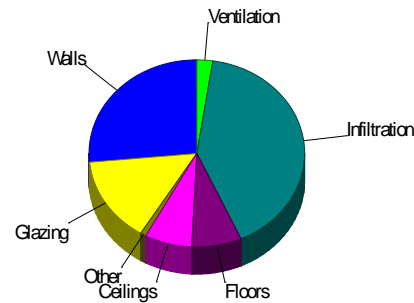
Infiltration:

Method
Exposure category
Construction category
Number of stories

F280-12
No local shielding
Present (1961-) (ACH=3.57)
2.0

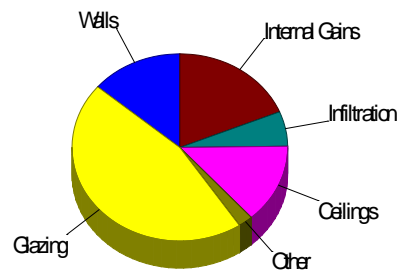
Heating

Component	Btuh/ft²	Btuh	% of load
Walls	1.2	9236	26.5
Glazing	26.8	5161	14.8
Doors	7.6	300	0.9
Ceilings	2.6	2475	7.1
Floors	2.8	2606	7.5
Infiltration	61.5	14269	40.9
Ducts		0	0
Hydronic		0	0
Humidification		0	0
Ventilation		829	2.4
Adjustments		0	0
Total		34876	100.0



Cooling

Component	Btuh/ft²	Btuh	% of load
Walls	0.2	1371	13.8
Glazing	23.6	4530	45.5
Doors	1.3	51	0.5
Ceilings	1.4	1361	13.7
Floors	0.0	23	0.2
Infiltration	2.6	597	6.0
Ducts		0	0
Ventilation		147	1.5
Internal gains		1868	18.8
Blower		0	0
Adjustments		0	0
Total		9947	100.0



Latent Cooling Load = 2984 Btuh
Overall U-value = 0.025 Btuh/ft²-°F

Data entries checked.



Component Constructions

Entire House

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Project Information

For: 12 FULTON ST, TORONTO, ON

Design Conditions

Location:			Indoor:		Heating	Cooling
Toronto (City Hall), ON, CA			Indoor temperature (°F)		72	75
Elevation: 0 ft			Design TD (°F)		72	13
Latitude: 44°N			Relative humidity (%)		50	50
			Moisture difference (gr/lb)		54.2	33.3
Outdoor:	Heating	Cooling	Infiltration:			
Dry bulb (°F)	0	88	Method			
Daily range (°F)	-	13 (L)	Exposure category			
Wet bulb (°F)	-	73	Construction category			
Wind speed (mph)	14.3	7.5	Number of stories			
			F280-12			
			No local shielding			
			Present (1961-) (ACH=3.57)			
			2.0			

Construction descriptions

	Or	Area ft²	R-value ft²·°F/Btuh	Insul R ft²·°F/Btuh	A/R Btuh/°F	Htg TD/R Btuh/ft²	Loss Btuh	Clg TD/R Btuh/ft²	Gain Btuh
Walls									
4A12: Frm wall, brk 4" ext, 3/8" wood shth, r-21 cav ins, 1/2" gypsum board int fnsh, 2"x4" wood frm, 16" o.c. stud	n	229	16.2	21.0	14.2	4.48	1025	0.37	84
	e	202	16.2	21.0	12.5	4.48	903	0.98	198
	s	223	16.2	21.0	13.8	4.48	998	0.55	122
	w	194	16.2	21.0	12.0	4.48	867	0.98	190
	all	847	16.2	21.0	52.4	4.48	3792	0.70	594
4J12: Frm wall, brk 4" ext, 3/8" wood shth, r-13 cav ins, 1/2" gypsum board int fnsh, r-5 ext bd ins, 2"x4" wood frm, 16" o.c. stud	n	332	18.1	18.0	18.3	4.01	1328	0.33	109
	e	313	18.1	18.0	17.3	4.01	1252	0.88	274
	s	277	18.1	18.0	15.3	4.01	1110	0.49	136
	w	295	18.1	18.0	16.3	4.01	1180	0.88	258
	all	1216	18.1	18.0	67.3	4.01	4869	0.64	777
Blk wall, 2"x6" wood int frm, 8" thk	n	67	30.8	21.0	2.2	2.35	158	0	0
	e	55	30.8	21.0	1.8	2.35	129	0	0
	s	67	30.8	21.0	2.2	2.35	158	0	0
	w	55	30.8	21.0	1.8	2.35	129	0	0
	all	244	30.8	21.0	7.9	2.35	574	0	0

Partitions (none)

Windows

19D0: 2 glazing, clr low-e outr, argon gas, vnl frm mat, clr innr, clr strm, 1/2" gap, 1/8" thk; 1.4 ft overhang (9.75 ft window ht, 1 ft sep.); 6.67 ft head ht	n	39	2.9	0	13.6	25.3	988	13.8	536
19D0: 2 glazing, clr low-e outr, argon gas, vnl frm mat, clr innr, clr strm, 1/2" gap, 1/8" thk; 1.4 ft overhang (1.42 ft window ht, 1 ft sep.); 6.67 ft head ht	n	3	2.9	0	1.2	25.3	87	13.8	47

19D0: 2 glazing, clr low-e outr, argon gas, vnl frm mat, clr innr, clr strm,	e	10	2.9	0	3.6	25.3	262	32.1	331
1/2" gap, 1/8" thk; 1.4 ft overhang (4 ft window ht, 1 ft sep.); 6.67 ft	e	20	2.9	0	7.0	25.3	507	32.1	641
head ht	s	20	2.9	0	7.0	25.3	507	18.6	371
	s	10	2.9	0	3.5	25.3	253	18.6	186
	s	28	2.9	0	9.8	25.3	710	18.6	520
	w	8	2.9	0	2.8	25.3	203	32.1	256
	w	10	2.9	0	3.6	25.3	262	32.1	331
	w	10	2.9	0	3.4	25.3	245	32.1	310
	all	116	2.9	0	40.7	25.3	2948	25.3	2946
19D0: 2 glazing, clr outr, air gas, wd frm mat, clr innr, 1/4" gap, 1/8" thk;	s	20	1.8	0	11.0	39.8	796	32.5	650
clear; 1.4 ft overhang (4 ft window ht, 1 ft sep.); 6.67 ft head ht									
19D0: 2 glazing, clr low-e outr, argon gas, vnl frm mat, clr innr, clr strm,	s	5	2.9	0	1.8	25.3	127	15.9	80
1/2" gap, 1/8" thk; 1.4 ft overhang (2.4 ft window ht, 1 ft sep.); 6.67 ft									
head ht									
19D0: 2 glazing, clr low-e outr, argon gas, vnl frm mat, clr innr, clr strm,	w	9	2.9	0	3.0	25.3	215	31.9	271
1/2" gap, 1/8" thk; 1.4 ft overhang (3 ft window ht, 1 ft sep.); 6.67 ft									
head ht									
Doors									
23G0: Door, mtl eps core type	s	20	9.6	8.7	2.1	7.55	150	0.92	18
	w	20	9.6	8.7	2.1	7.55	150	1.65	33
	all	40	9.6	8.7	4.1	7.55	300	1.29	51
Ceilings									
Attic ceiling, asphalt shingles roof mat, r-60 ceil ins, 1/2" gypsum board		888	55.9	56.0	15.9	1.30	1150	0.71	632
int fnsh									
C part: C part ceiling, frm flr, 6" thkns		52	2.8	1.0	18.3	25.4	1325	14.0	728
Floors									
16A0: Part floor, frm flr, 10" thkns, 1/2" gypsum board int fnsh		2	3.3	1.0	0.6	11.0	21	2.09	4
		4	3.3	1.0	1.1	11.0	41	2.09	8
	all	6	3.3	1.0	1.7	11.0	63	2.09	12
16AG0: Part floor, r-28 ins, frm flr, 6" thkns		39	25.2	28.0	1.6	1.44	57	0.27	11
BCIN_1: BCIN_1: Bsmnt, 6 ft BG, conc fndatn, wall R-30.77, flr unins		895	F0.0/W30.8	30.8	8.3	2.78	2486	0	0



Project Summary

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Project Information

For: 12 FULTON ST, TORONTO, ON

Notes:

Design Information

Weather: Toronto (City Hall), ON, CA

Winter Design Conditions

Outside db	0 °F
Inside db	72 °F
Design TD	72 °F

Summer Design Conditions

Outside db	88 °F
Inside db	75 °F
Design TD	13 °F
Daily range	L
Relative humidity	50 %
Moisture difference	33 gr/lb

Heating Summary

Structure	34876 Btuh
Ducts	0 Btuh
Central vent (SER=75% 0 cfm)	0 Btuh
Heat recovery	
Humidification	0 Btuh
Piping	0 Btuh
Equipment load	34876 Btuh

Sensible Cooling Equipment Load Sizing

Structure	9947 Btuh
Ducts	0 Btuh
Central vent (SER=75% 0 cfm)	0 Btuh
Heat recovery	
Blower	0 Btuh
Use manufacturer's data	y
Rate/swing multiplier	1.00
Equipment sensible load	9947 Btuh

Infiltration

Method	F280-12
Exposure category	No local shielding
Const. categ.	Present (1961-) (ACH=3.57)
Number of stories	2.0

	Heating	Cooling
Area (ft ²)	2724	1828
Volume (ft ³)	23667	16499
Air changes/hour	0.46	0.16
Equiv. AVF (cfm)	182	43

Latent Cooling Equipment Load Sizing

Structure	2984 Btuh
Ducts	0 Btuh
Central vent (0 cfm)	0 Btuh
Heat recovery	
Equipment latent load	2984 Btuh

Equipment Total Load (Sen+Lat)	12931 Btuh
Req. total capacity at 0.70 SHR	1.2 ton

Heating Equipment Summary

Make	Generic
Trade	
Model	AFUE 96
AHRI ref	
Efficiency	96 AFUE
Heating input	36329 Btuh
Heating output	34876 Btuh
Temperature rise	68 °F
Actual air flow	474 cfm
Air flow factor	0.014 cfm/Btuh
Static pressure	0.50 in H2O
Space thermostat	

Cooling Equipment Summary

Make	Generic
Trade	
Cond	SEER 18.0
Coil	
AHRI ref	
Efficiency	14.7 EER, 18 SEER
Sensible cooling	9947 Btuh
Latent cooling	4263 Btuh
Total cooling	14210 Btuh
Actual air flow	474 cfm
Air flow factor	0.048 cfm/Btuh
Static pressure	0.50 in H2O
Load sensible heat ratio	0.77



Right-F280™ Worksheet

Entire House

Saltberry Design

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1		Room name				Entire House				Bedroom				NEW BATH				
2		Exposed wall				375.5 ft				24.5 ft				5.7 ft				
3		Room dimensions				8.7 ft d				11.9 x 13.8 ft				9.3 x 5.7 ft				
4		Room height				heat/cool				heat/cool				heat/cool				
5	Ty	CST	R - value	Or	TD/R (Btuh/ft²)		Area (ft²) or perim (ft)		Load (Btuh)		Area (ft²) or perim (ft)		Load (Btuh)		Area (ft²) or perim (ft)		Load (Btuh)	
					Heat	Cool	Gross	N/P/S	Heat	Cool	Gross	N/P/S	Heat	Cool	Gross	N/P/S	Heat	Cool
W	G	4A12	16.18	n	4.5	0.4	268	229	1025	84	0	0	0	0	0	0	0	0
	G	19D0	2.86	n	25.3	13.8	39	0	988	536	0	0	0	0	0	0	0	0
W	G	4J12	18.08	n	4.0	0.3	335	332	1328	109	108	105	420	35	0	0	0	0
	G	19D0	2.86	n	25.3	13.8	3	0	87	47	3	0	87	47	0	0	0	0
W		Blk wal	30.77	n	2.4	0.0	67	67	158	0	0	0	0	0	0	0	0	0
W	G	4A12	16.18	e	4.5	1.0	212	202	903	198	0	0	0	0	0	0	0	0
	G	19D0	2.86	e	25.3	32.1	10	0	262	331	0	0	0	0	0	0	0	0
W	G	4J12	18.08	e	4.0	0.9	333	313	1252	274	0	0	0	0	0	0	0	0
	G	19D0	2.86	e	25.3	32.1	20	1	507	641	0	0	0	0	0	0	0	0
W		Blk wal	30.77	e	2.4	0.0	55	55	129	0	0	0	0	0	0	0	0	0
W	G	4A12	16.18	s	4.5	0.5	268	223	998	122	0	0	0	0	0	0	0	0
	G	19D0	1.82	s	39.8	32.5	20	9	796	650	0	0	0	0	0	0	0	0
	G	19D0	2.86	s	25.3	15.9	5	4	127	80	0	0	0	0	0	0	0	0
	G	19D0	2.86	s	25.3	18.6	20	9	507	371	0	0	0	0	0	0	0	0
W	G	4J12	18.08	s	4.0	0.5	335	277	1110	136	0	0	0	0	0	0	0	0
	G	19D0	2.86	s	25.3	18.6	10	4	253	186	0	0	0	0	0	0	0	0
	G	19D0	2.86	s	25.3	18.6	28	13	710	520	0	0	0	0	0	0	0	0
	D	23G0	9.58	s	7.6	0.9	20	20	150	18	0	0	0	0	0	0	0	0
W		Blk wal	30.77	s	2.4	0.0	67	67	158	0	0	0	0	0	0	0	0	0
W	G	4A12	16.18	w	4.5	1.0	212	194	867	190	0	0	0	0	0	0	0	0
	G	19D0	2.86	w	25.3	32.1	8	0	203	256	0	0	0	0	0	0	0	0
	G	19D0	2.86	w	25.3	32.1	10	0	262	331	0	0	0	0	0	0	0	0
W	G	4J12	18.08	w	4.0	0.9	332	295	1180	258	137	128	513	112	57	47	188	41
	G	19D0	2.86	w	25.3	31.9	9	0	215	271	9	0	215	271	0	0	0	0
	G	19D0	2.86	w	25.3	32.1	10	0	245	310	0	0	0	0	10	0	245	310
	D	23G0	9.58	w	7.6	1.7	20	20	150	33	0	0	0	0	0	0	0	0
W		Blk wal	30.77	w	2.4	0.0	55	55	129	0	0	0	0	0	0	0	0	0
C		Attic c	55.87	-	1.3	0.7	888	888	1150	632	0	0	0	0	0	0	0	0
C		C part	2.85	-	25.4	14.0	52	52	1325	728	0	0	0	0	0	0	0	0
F		16A0	3.28	-	11.0	2.1	2	2	21	4	0	0	0	0	0	0	0	0
F		16A0	3.28	-	11.0	2.1	4	4	41	8	0	0	0	0	0	0	0	0
F		16AG0	25.22	-	1.4	0.3	39	39	57	11	0	0	0	0	0	0	0	0
F		BCIN 1	n/a	-	n/a	0.0	895	895	2486	0	0	0	0	0	0	0	0	0
6	Total conductive loss/gain								19778	7335			1236	465			433	351
7	a) Infiltration								14269	597			616	38			216	29
	b) Ventilation								829	147			207	37			207	37
8	Internal gains: People@ 230							0		0			0			0		0
	Electric/Appliances									1868				144				144
	Subtotal (lines 6 to 8)								34876	9947			2059	683			856	560
9	Less external load								0	0			0	0			0	0
10	Less transfer								0	0			0	0			0	0
11	Subtotal								34876	9947			2059	683			856	560
12	Distribution losses						0%	0%	0	0	0%	0%	0	0	0%	0%	0	0
	Ducts								0	0			0	0			0	0
	Hydronic								0	0			0	0			0	0
	Redistribution								0	0			0	0			0	0
13	Total room load								34876	9947			2059	683			856	560
14	Air required (cfm)								474	474			28	33			12	27



Right-F280™ Worksheet

Entire House

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1		Room name				STUDY				Entry				Living Rm				
2		Exposed wall				16.3 ft				19.6 ft				36.2 ft				
3		Room dimensions				9.2 x 7.1 ft				1.0 x 152.4 ft				1.0 x 274.7 ft				
4		Room height				10.0 ft				10.0 ft				10.0 ft				
						heat/cool				heat/cool				heat/cool				
Ty	CST	R - value	Or	TD/R (Btuh/ft²)		Area (ft²) or perim (ft)		Load (Btuh)		Area (ft²) or perim (ft)		Load (Btuh)		Area (ft²) or perim (ft)		Load (Btuh)		
				Heat	Cool	Gross	N/P/S	Heat	Cool	Gross	N/P/S	Heat	Cool	Gross	N/P/S	Heat	Cool	
5	W	4A12	16.18	n	4.5	0.4	0	0	0	0	0	0	0	0	0	0	0	
		19D0	2.86	n	25.3	13.8	0	0	0	0	0	0	0	0	0	0	0	
	W	4J12	18.08	n	4.0	0.3	0	0	0	58	58	230	19	0	0	0	0	
		19D0	2.86	n	25.3	13.8	0	0	0	0	0	0	0	0	0	0	0	
	W	Blk wal	30.77	n	2.4	0.0	0	0	0	0	0	0	0	0	0	0	0	
	W	4A12	16.18	e	4.5	1.0	0	0	0	0	0	0	0	0	0	0	0	
		19D0	2.86	e	25.3	32.1	0	0	0	0	0	0	0	0	0	0	0	
	W	4J12	18.08	e	4.0	0.9	0	0	0	38	38	150	33	162	162	648	142	
		19D0	2.86	e	25.3	32.1	0	0	0	0	0	0	0	0	0	0	0	
	W	Blk wal	30.77	e	2.4	0.0	0	0	0	0	0	0	0	0	0	0	0	
	W	4A12	16.18	s	4.5	0.5	0	0	0	0	0	0	0	0	0	0	0	
		19D0	1.82	s	39.8	32.5	0	0	0	0	0	0	0	0	0	0	0	
		19D0	2.86	s	25.3	15.9	0	0	0	0	0	0	0	0	0	0	0	
		19D0	2.86	s	25.3	18.6	0	0	0	0	0	0	0	0	0	0	0	
	W	4J12	18.08	s	4.0	0.5	92	82	327	40	63	43	174	21	180	152	609	
		19D0	2.86	s	25.3	18.6	10	4	253	186	0	0	0	0	0	0	0	
		19D0	2.86	s	25.3	18.6	0	0	0	0	0	0	0	28	13	710		
		23G0	9.58	s	7.6	0.9	0	0	0	20	20	150	18	0	0	0		
	W	Blk wal	30.77	s	2.4	0.0	0	0	0	0	0	0	0	0	0	0		
	W	4A12	16.18	w	4.5	1.0	0	0	0	0	0	0	0	0	0	0		
		19D0	2.86	w	25.3	32.1	0	0	0	0	0	0	0	0	0	0		
		19D0	2.86	w	25.3	32.1	0	0	0	0	0	0	0	0	0	0		
	W	4J12	18.08	w	4.0	0.9	71	71	284	62	38	18	71	16	20	20		
		19D0	2.86	w	25.3	31.9	0	0	0	0	0	0	0	0	0	0		
		19D0	2.86	w	25.3	32.1	0	0	0	0	0	0	0	0	0	0		
		23G0	9.58	w	7.6	1.7	0	0	0	20	20	150	33	0	0	0		
	W	Blk wal	30.77	w	2.4	0.0	0	0	0	0	0	0	0	0	0	0		
	C	Attic c	55.87	-	1.3	0.7	0	0	0	0	0	0	0	0	0	0		
	C	C part	2.85	-	25.4	14.0	0	0	0	21	21	536	295	21	21	530		
	F	16A0	3.28	-	11.0	2.1	0	0	0	0	0	3	1	2	2			
	F	16A0	3.28	-	11.0	2.1	0	0	0	0	0	0	0	0	0			
	F	16AG0	25.22	-	1.4	0.3	0	0	0	21	21	31	6	18	18			
	F	BCIN 1	n/a	-	n/a	0.0	0	0	0	0	0	0	0	0	0			
6	Total conductive loss/gain								864	288			1495	441			2620	1053
7	a) Infiltration								431	23			745	36			1306	86
	b) Ventilation								0	0			0	0			207	37
8	Internal gains: People@ 230								0	0			0	0			0	0
	Electric/Appliances									144				144				144
	Subtotal (lines 6 to 8)								1295	455			2240	620			4133	1319
9	Less external load								0	0			0	0			0	0
10	Less transfer								0	0			0	0			0	0
11	Subtotal								1295	455			2240	620			4133	1319
12	Distribution losses								0	0			0	0			0	0
	Ducts								0%	0%			0%	0%			0%	0%
	Hydronic								0%	0%			0%	0%			0%	0%
	Redistribution								0	0			0	0			0	0
13	Total room load								1295	455			2240	620			4133	1319
14	Air required (cfm)								18	22			30	30			56	63



Right-F280™ Worksheet

Entire House

Saltberry Design

Job:
Date: Sep 20, 2023
By:

Cert.#: (RHLG, RASD)
311 Highland Ave., Fort Erie, ON L2A 2Y1 Phone: 905.658.6452 Email: curtis@saltberrydesign.com Web: www.saltberrydesign.com License: #31364 #44567

1	Room name				New Kitchen				BATH RM				BDRM2						
	Exposed wall				31.3 ft				18.8 ft				8.6 ft						
	Room dimensions				1.0 x 230.4 ft				11.8 x 7.0 ft				11.8 x 8.6 ft						
4	Room height				10.0 ft				8.0 ft				8.0 ft						
5	Ty	CST	R - value	Or	TD/R (Btuh/ft²)		Area (ft²) or perim (ft)		Load (Btuh)		Area (ft²) or perim (ft)		Load (Btuh)		Area (ft²) or perim (ft)		Load (Btuh)		
					Heat	Cool	Gross	N/P/S	Heat	Cool	Gross	N/P/S	Heat	Cool	Gross	N/P/S	Heat	Cool	
	W	4A12	16.18	n	4.5	0.4	0	0	0	0	95	95	424	35	0	0	0	0	
		19D0	2.86	n	25.3	13.8	0	0	0	0	0	0	0	0	0	0	0	0	
	W	4J12	18.08	n	4.0	0.3	169	169	678	56	0	0	0	0	0	0	0	0	
		19D0	2.86	n	25.3	13.8	0	0	0	0	0	0	0	0	0	0	0	0	
	W	Blk wal	30.77	n	2.4	0.0	0	0	0	0	0	0	0	0	0	0	0	0	
	W	4A12	16.18	e	4.5	1.0	0	0	0	0	0	0	0	0	0	0	0	0	
		19D0	2.86	e	25.3	32.1	0	0	0	0	0	0	0	0	0	0	0	0	
	W	4J12	18.08	e	4.0	0.9	133	113	454	99	0	0	0	0	0	0	0	0	
		19D0	2.86	e	25.3	32.1	20	1	507	641	0	0	0	0	0	0	0	0	
	W	Blk wal	30.77	e	2.4	0.0	0	0	0	0	0	0	0	0	0	0	0	0	
	W	4A12	16.18	s	4.5	0.5	0	0	0	0	0	0	0	0	0	0	0	0	
		19D0	1.82	s	39.8	32.5	0	0	0	0	0	0	0	0	0	0	0	0	
		19D0	2.86	s	25.3	15.9	0	0	0	0	0	0	0	0	0	0	0	0	
		19D0	2.86	s	25.3	18.6	0	0	0	0	0	0	0	0	0	0	0	0	
	W	4J12	18.08	s	4.0	0.5	0	0	0	0	0	0	0	0	0	0	0	0	
		19D0	2.86	s	25.3	18.6	0	0	0	0	0	0	0	0	0	0	0	0	
		19D0	2.86	s	25.3	18.6	0	0	0	0	0	0	0	0	0	0	0	0	
		23G0	9.58	s	7.6	0.9	0	0	0	0	0	0	0	0	0	0	0	0	
	W	Blk wal	30.77	s	2.4	0.0	0	0	0	0	0	0	0	0	0	0	0	0	
	W	4A12	16.18	w	4.5	1.0	0	0	0	56	48	215	47	69	58	261	57	0	
		19D0	2.86	w	25.3	32.1	0	0	0	8	0	203	256	0	0	0	0	0	
		19D0	2.86	w	25.3	32.1	0	0	0	0	0	0	0	10	0	262	331	0	
	W	4J12	18.08	w	4.0	0.9	11	11	43	10	0	0	0	0	0	0	0	0	
		19D0	2.86	w	25.3	31.9	0	0	0	0	0	0	0	0	0	0	0	0	
		19D0	2.86	w	25.3	32.1	0	0	0	0	0	0	0	0	0	0	0	0	
		23G0	9.58	w	7.6	1.7	0	0	0	0	0	0	0	0	0	0	0	0	
	W	Blk wal	30.77	w	2.4	0.0	0	0	0	0	0	0	0	0	0	0	0	0	
	C	Attic c	55.87	-	1.3	0.7	0	0	0	83	83	107	59	102	102	132	72	0	
	C	C part	2.85	-	25.4	14.0	10	10	259	142	0	0	0	0	0	0	0	0	
	F	16A0	3.28	-	11.0	2.1	0	0	0	0	0	0	0	0	0	0	0	0	
	F	16A0	3.28	-	11.0	2.1	0	0	0	0	1	1	16	3	1	8	1	0	
	F	16AG0	25.22	-	1.4	0.3	0	0	0	0	0	0	0	0	0	0	0	0	
	F	BCIN 1	n/a	-	n/a	0.0	0	0	0	0	0	0	0	0	0	0	0	0	
6	Total conductive loss/gain								1941	948			965	401			662	462	
7	a) Infiltration								967	77			339	33			233	38	
	b) Ventilation								207	37			0	0			0	0	
8	Internal gains: People@ 230 Electric/Appliances							0	0	144		0	0	144		0	144	0	
	Subtotal (lines 6 to 8)								3115	1206			1304	577			895	644	
9	Less external load								0	0			0	0			0	0	
10	Less transfer								0	0			0	0			0	0	
11	Subtotal								3115	1206			1304	577			895	644	
12	Distribution losses							0%	0%	0	0	0%	0%	0	0	0%	0%	0	0
	Redistribution							0%	0%	0	0	0%	0%	0	0	0%	0%	0	0
13	Total room load								3115	1206			1304	577			895	644	
14	Air required (cfm)								42	57			18	27			12	31	



Right-F280™ Worksheet

Entire House

Saltberry Design

Job:
Date: Sep 20, 2023
By:

Cert.#: (RHLG, RASD)
311 Highland Ave., Fort Erie, ON L2A 2Y1 Phone: 905.658.6452 Email: curtis@saltberrydesign.com Web: www.saltberrydesign.com License: #31364 #44567

1 Room name				BDRM3 26.6 ft				ENSUITE 5.3 ft				PRIMARY BDRM 26.7 ft							
2 Exposed wall				15.7 x 10.9 ft				5.3 x 10.9 ft				1.0 x 184.9 ft							
3 Room dimensions				8.0 ft				8.0 ft				8.0 ft							
4 Room height				heat/cool				heat/cool				heat/cool							
5	Ty	CST	R - value	Or	TD/R (Btuh/ft²)		Area (ft²) or perim (ft)		Load (Btuh)		Area (ft²) or perim (ft)		Load (Btuh)		Area (ft²) or perim (ft)		Load (Btuh)		
					Heat	Cool	Gross	N/P/S	Heat	Cool	Gross	N/P/S	Heat	Cool	Gross	N/P/S	Heat	Cool	
W	G	4A12	16.18	n	4.5	0.4	0	0	0	0	0	0	0	0	0	0	0	0	
	G	19D0	2.86	n	25.3	13.8	0	0	0	0	0	0	0	0	0	0	0	0	
W	G	4J12	18.08	n	4.0	0.3	0	0	0	0	0	0	0	0	0	0	0	0	
	G	19D0	2.86	n	25.3	13.8	0	0	0	0	0	0	0	0	0	0	0	0	
W		Blk wal	30.77	n	2.4	0.0	0	0	0	0	0	0	0	0	0	0	0	0	
W	G	4A12	16.18	e	4.5	1.0	0	0	0	0	0	0	0	113	113	507	111		
	G	19D0	2.86	e	25.3	32.1	0	0	0	0	0	0	0	0	0	0	0		
W	G	4J12	18.08	e	4.0	0.9	0	0	0	0	0	0	0	0	0	0	0		
	G	19D0	2.86	e	25.3	32.1	0	0	0	0	0	0	0	0	0	0	0		
W		Blk wal	30.77	e	2.4	0.0	0	0	0	0	0	0	0	0	0	0	0		
W	G	4A12	16.18	s	4.5	0.5	125	105	471	58	43	38	169	21	100	80	358	44	
	G	19D0	1.82	s	39.8	32.5	0	0	0	0	0	0	0	20	9	796	650		
	G	19D0	2.86	s	25.3	15.9	0	0	0	0	5	4	127	80	0	0	0		
	G	19D0	2.86	s	25.3	18.6	20	9	507	371	0	0	0	0	0	0	0		
W	G	4J12	18.08	s	4.0	0.5	0	0	0	0	0	0	0	0	0	0	0		
	G	19D0	2.86	s	25.3	18.6	0	0	0	0	0	0	0	0	0	0	0		
	G	19D0	2.86	s	25.3	18.6	0	0	0	0	0	0	0	0	0	0	0		
	D	23G0	9.58	w	7.6	0.9	0	0	0	0	0	0	0	0	0	0	0		
W		Blk wal	30.77	s	2.4	0.0	0	0	0	0	0	0	0	0	0	0	0		
W	G	4A12	16.18	w	4.5	1.0	87	87	391	86	0	0	0	0	0	0	0		
	G	19D0	2.86	w	25.3	32.1	0	0	0	0	0	0	0	0	0	0	0		
	G	19D0	2.86	w	25.3	32.1	0	0	0	0	0	0	0	0	0	0	0		
W	G	4J12	18.08	w	4.0	0.9	0	0	0	0	0	0	0	0	0	0	0		
	G	19D0	2.86	w	25.3	31.9	0	0	0	0	0	0	0	0	0	0	0		
	G	19D0	2.86	w	25.3	32.1	0	0	0	0	0	0	0	0	0	0	0		
	D	23G0	9.58	w	7.6	1.7	0	0	0	0	0	0	0	0	0	0	0		
W		Blk wal	30.77	w	2.4	0.0	0	0	0	0	0	0	0	0	0	0	0		
C		Attic c	55.87	-	1.3	0.7	171	171	222	122	58	58	75	41	185	185	240	132	
C		C part	2.85	-	25.4	14.0	0	0	0	0	0	0	0	0	0	0	0		
F		16A0	3.28	-	11.0	2.1	0	0	0	0	0	0	0	0	0	0	0		
F		16A0	3.28	-	11.0	2.1	1	1	10	2	0	0	0	0	0	0	0		
F		16AG0	25.22	-	1.4	0.3	0	0	0	0	0	0	0	0	0	0	0		
F		BCIN 1	n/a	-	n/a	0.0	0	0	0	0	0	0	0	0	0	0	0		
6	Total conductive loss/gain								1601	638			371	142			1901	936	
7	a) Infiltration								562	52			130	12			668	76	
	b) Ventilation								0	0			0	0			0	0	
8	Internal gains:		People@	230					0	0			0	0			0	0	
			Electric/Appliances							144				144				144	
	Subtotal (lines 6 to 8)								2163	834			501	297			2569	1156	
9	Less external load								0	0			0	0			0	0	
10	Less transfer								0	0			0	0			0	0	
11	Subtotal								2163	834			501	297			2569	1156	
12	Distribution losses		Ducts	0%	0%					0	0			0	0			0	0
			Hydronic	0%	0%					0	0			0	0			0	0
	Redistribution								0	0			0	0			0	0	
13	Total room load								2163	834			501	297			2569	1156	
14	Air required (cfm)								29	40			7	14			35	55	



Right-F280™ Worksheet

Entire House

Saltberry Design

Job:
Date: Sep 20, 2023
By:

Cert.#: (RHLG, RASD)
311 Highland Ave., Fort Erie, ON L2A 2Y1 Phone: 905.658.6452 Email: curtis@saltberrydesign.com Web: www.saltberrydesign.com License: #31364 #44567

1	Room name				BDRM1				STAIRS/HALL				MECH						
	Exposed wall				27.3 ft				6.8 ft				17.7 ft						
	Room dimensions				14.9 x 12.4 ft				6.8 x 15.6 ft				10.6 x 7.2 ft						
4	Room height				8.0 ft				8.0 ft				8.0 ft						
	Ty	CST	R - value	Or	TD/R (Btuh/ft²)		Area (ft²) or perim (ft)		Load (Btuh)		Area (ft²) or perim (ft)		Load (Btuh)		Area (ft²) or perim (ft)		Load (Btuh)		
					Heat	Cool	Gross	N/P/S	Heat	Cool	Gross	N/P/S	Heat	Cool	Gross	N/P/S	Heat	Cool	
5	W	4A12	16.18	n	4.5	0.4	119	119	534	44	54	15	67	6	0	0	0	0	
		19D0	2.86	n	25.3	13.8	0	0	0	0	39	0	988	536	0	0	0	0	
	W	4J12	18.08	n	4.0	0.3	0	0	0	0	0	0	0	0	0	0	0	0	
		19D0	2.86	n	25.3	13.8	0	0	0	0	0	0	0	0	0	0	0	0	
	W	Blk wal	30.77	n	2.4	0.0	0	0	0	0	0	0	0	0	21	21	49	0	
	W	4A12	16.18	e	4.5	1.0	99	88	395	87	0	0	0	0	0	0	0	0	
		19D0	2.86	e	25.3	32.1	10	0	262	331	0	0	0	0	0	0	0	0	
	W	4J12	18.08	e	4.0	0.9	0	0	0	0	0	0	0	0	0	0	0	0	
		19D0	2.86	e	25.3	32.1	0	0	0	0	0	0	0	0	0	0	0	0	
	W	Blk wal	30.77	e	2.4	0.0	0	0	0	0	0	0	0	0	0	0	0	0	
	W	4A12	16.18	s	4.5	0.5	0	0	0	0	0	0	0	0	0	0	0	0	
		19D0	1.82	s	39.8	32.5	0	0	0	0	0	0	0	0	0	0	0	0	
		19D0	2.86	s	25.3	15.9	0	0	0	0	0	0	0	0	0	0	0	0	
		19D0	2.86	s	25.3	18.6	0	0	0	0	0	0	0	0	0	0	0	0	
	W	4J12	18.08	s	4.0	0.5	0	0	0	0	0	0	0	0	0	0	0	0	
		19D0	2.86	s	25.3	18.6	0	0	0	0	0	0	0	0	0	0	0	0	
		19D0	2.86	s	25.3	18.6	0	0	0	0	0	0	0	0	0	0	0	0	
		23G0	9.58	s	7.6	0.9	0	0	0	0	0	0	0	0	0	0	0	0	
	W	Blk wal	30.77	s	2.4	0.0	0	0	0	0	0	0	0	0	0	0	0	0	
	W	4A12	16.18	w	4.5	1.0	0	0	0	0	0	0	0	0	0	0	0	0	
		19D0	2.86	w	25.3	32.1	0	0	0	0	0	0	0	0	0	0	0	0	
		19D0	2.86	w	25.3	32.1	0	0	0	0	0	0	0	0	0	0	0	0	
	W	4J12	18.08	w	4.0	0.9	0	0	0	0	0	0	0	0	0	0	0	0	
		19D0	2.86	w	25.3	31.9	0	0	0	0	0	0	0	0	0	0	0	0	
		19D0	2.86	w	25.3	32.1	0	0	0	0	0	0	0	0	0	0	0	0	
		23G0	9.58	w	7.6	1.7	0	0	0	0	0	0	0	0	0	0	0	0	
	W	Blk wal	30.77	w	2.4	0.0	0	0	0	0	0	0	0	0	14	14	34	0	
	C	Attic c	55.87	-	1.3	0.7	184	184	238	131	105	105	136	75	0	0	0	0	
	C	C part	2.85	-	25.4	14.0	0	0	0	0	0	0	0	0	0	0	0	0	
	F	16A0	3.28	-	11.0	2.1	0	0	0	0	0	0	0	0	0	0	0	0	
	F	16A0	3.28	-	11.0	2.1	0	0	5	1	0	0	2	0	0	0	0	0	
	F	16AG0	25.22	-	1.4	0.3	0	0	0	0	0	0	0	0	0	0	0	0	
	F	BCIN 1	n/a	-	n/a	0.0	0	0	0	0	0	0	0	0	75	75	360	0	
6	Total conductive loss/gain								1435	594			1193	617			443	0	
7	a) Infiltration								504	48			419	50			1033	0	
	b) Ventilation								0	0			0	0			0	0	
8	Internal gains: People@ 230							0	0	0		0	0	0		0	0	0	
	Electric/Appliances								144	144			144	144			144	0	
	Subtotal (lines 6 to 8)								1939	786			1612	811			1476	0	
9	Less external load								0	0			0	0			0	0	
10	Less transfer								0	0			0	0			0	0	
11	Subtotal								1939	786			1612	811			1476	0	
12	Distribution losses							0%	0%	0	0	0%	0%	0	0	0%	0%	0	0
	Ducts							0%	0%	0	0	0%	0%	0	0	0%	0%	0	0
	Hydronic							0%	0%	0	0	0%	0%	0	0	0%	0%	0	0
	Redistribution								0	0			0	0			0	0	
13	Total room load								1939	786			1612	811			1476	0	
14	Air required (cfm)								26	37			22	39			20	0	



Right-F280™ Worksheet

Entire House

Saltberry Design

Job:
Date: Sep 20, 2023
By:

Cert.#: (RHLG, RASD)
311 Highland Ave., Fort Erie, ON L2A 2Y1 Phone: 905.658.6452 Email: curtis@saltberrydesign.com Web: www.saltberrydesign.com License: #31364 #44567

1	Room name				LAUNDRY				WR				NEW REC					
	Exposed wall				10.3 ft				16.5 ft				37.9 ft					
	Room dimensions				7.5 x 10.3 ft				7.5 x 9.1 ft				26.0 x 11.9 ft					
4	Room height				8.0 ft				8.0 ft				8.0 ft					
Ty	CST	R - value	Or	TD/R (Btuh/ft²)		Area (ft²) or perim (ft)		Load (Btuh)		Area (ft²) or perim (ft)		Load (Btuh)		Area (ft²) or perim (ft)		Load (Btuh)		
				Heat	Cool	Gross	N/P/S	Heat	Cool	Gross	N/P/S	Heat	Cool	Gross	N/P/S	Heat	Cool	
5	W	4A12	16.18	n	4.5	0.4	0	0	0	0	0	0	0	0	0	0	0	
		G	19D0	n	25.3	13.8	0	0	0	0	0	0	0	0	0	0	0	
	W	4J12	18.08	n	4.0	0.3	0	0	0	0	0	0	0	0	0	0	0	
		G	19D0	n	25.3	13.8	0	0	0	0	0	0	0	0	0	0	0	
	W	Blk wal	30.77	n	2.4	0.0	0	0	0	0	0	0	0	0	0	0	0	
		G	4A12	e	4.5	1.0	0	0	0	0	0	0	0	0	0	0	0	
		G	19D0	e	25.3	32.1	0	0	0	0	0	0	0	0	0	0	0	
	W	4J12	18.08	e	4.0	0.9	0	0	0	0	0	0	0	0	0	0	0	
		G	19D0	e	25.3	32.1	0	0	0	0	0	0	0	0	0	0	0	
	W	Blk wal	30.77	e	2.4	0.0	0	0	0	0	0	0	0	24	24	56	0	
		G	4A12	s	4.5	0.5	0	0	0	0	0	0	0	0	0	0	0	
		G	19D0	s	39.8	32.5	0	0	0	0	0	0	0	0	0	0	0	
		G	19D0	s	25.3	15.9	0	0	0	0	0	0	0	0	0	0	0	
		G	19D0	s	25.3	18.6	0	0	0	0	0	0	0	0	0	0	0	
	W	4J12	18.08	s	4.0	0.5	0	0	0	0	0	0	0	0	0	0	0	
		G	19D0	s	25.3	18.6	0	0	0	0	0	0	0	0	0	0	0	
		G	19D0	s	25.3	18.6	0	0	0	0	0	0	0	0	0	0	0	
		D	23G0	s	7.6	0.9	0	0	0	0	0	0	0	0	0	0	0	
	W	Blk wal	30.77	s	2.4	0.0	0	0	0	15	15	35	0	52	52	122	0	
	W	4A12	16.18	w	4.5	1.0	0	0	0	0	0	0	0	0	0	0	0	
		G	19D0	w	25.3	32.1	0	0	0	0	0	0	0	0	0	0	0	
		G	19D0	w	25.3	32.1	0	0	0	0	0	0	0	0	0	0	0	
	W	4J12	18.08	w	4.0	0.9	0	0	0	0	0	0	0	0	0	0	0	
		G	19D0	w	25.3	31.9	0	0	0	0	0	0	0	0	0	0	0	
		G	19D0	w	25.3	32.1	0	0	0	0	0	0	0	0	0	0	0	
		D	23G0	w	7.6	1.7	0	0	0	0	0	0	0	0	0	0	0	
	W	Blk wal	30.77	w	2.4	0.0	21	21	48	0	18	18	42	0	0	0	0	
	C	Attic c	55.87	-	1.3	0.7	0	0	0	0	0	0	0	0	0	0	0	
	C	C part	2.85	-	25.4	14.0	0	0	0	0	0	0	0	0	0	0	0	
	F	16A0	3.28	-	11.0	2.1	0	0	0	0	0	0	0	0	0	0	0	
	F	16A0	3.28	-	11.0	2.1	0	0	0	0	0	0	0	0	0	0	0	
	F	16AG0	25.22	-	1.4	0.3	0	0	0	0	0	0	0	0	0	0	0	
	F	BCIN 1	n/a	-	n/a	0.0	77	77	209	0	68	68	336	0	310	310	773	
6	Total conductive loss/gain								257	0			414	0			951	0
7	a) Infiltration								599	0			965	0			2217	0
	b) Ventilation								0	0			0	0			0	0
8	Internal gains: People@ 230								0	0			0	0			0	0
	Electric/Appliances								0	0			0	0			0	0
	Subtotal (lines 6 to 8)								857	0			1379	0			3168	0
9	Less external load								0	0			0	0			0	0
10	Less transfer								0	0			0	0			0	0
11	Subtotal								857	0			1379	0			3168	0
12	Distribution losses								0	0			0	0			0	0
	Ducts								0%	0%			0%	0%			0%	0%
	Hydronic								0	0			0	0			0	0
	Redistribution								0	0			0	0			0	0
13	Total room load								857	0			1379	0			3168	0
14	Air required (cfm)								12	0			19	0			43	0



Right-F280™ Worksheet

Entire House

Saltberry Design

Job:
Date: Sep 20, 2023
By:

Cert.#: (RHLG, RASD)
311 Highland Ave., Fort Erie, ON L2A 2Y1 Phone: 905.658.6452 Email: curtis@saltberrydesign.com Web: www.saltberrydesign.com License: #31364 #44567

1	Room name				STORAGE				GYM											
	Exposed wall				5.3 ft				34.3 ft											
	Room dimensions				5.3 x 10.9 ft				1.0 x 307.1 ft											
4	Room height				8.0 ft				heat only				8.0 ft				heat only			
	Ty	CST	R - value	Or	TD/R (Btuh/ft²)		Area (ft²) or perim (ft)		Load (Btuh)		Area (ft²) or perim (ft)		Load (Btuh)		Area or perim		Load			
					Heat	Cool	Gross	N/P/S	Heat	Cool	Gross	N/P/S	Heat	Cool	Gross	N/P/S	Heat	Cool		
5	W	4A12	16.18	n	4.5	0.4	0	0	0	0	0	0	0	0	0					
		19D0	2.86	n	25.3	13.8	0	0	0	0	0	0	0	0	0					
	W	4J12	18.08	n	4.0	0.3	0	0	0	0	0	0	0	0	0					
		19D0	2.86	n	25.3	13.8	0	0	0	0	0	0	0	0	0					
	W	Blk wal	30.77	n	2.4	0.0	11	11	25	0	35	35	83	0	0					
	W	4A12	16.18	e	4.5	1.0	0	0	0	0	0	0	0	0	0					
		19D0	2.86	e	25.3	32.1	0	0	0	0	0	0	0	0	0					
	W	4J12	18.08	e	4.0	0.9	0	0	0	0	0	0	0	0	0					
		19D0	2.86	e	25.3	32.1	0	0	0	0	0	0	0	0	0					
	W	Blk wal	30.77	e	2.4	0.0	0	0	0	0	31	31	73	0	0					
	W	4A12	16.18	s	4.5	0.5	0	0	0	0	0	0	0	0	0					
		19D0	1.82	s	39.8	32.5	0	0	0	0	0	0	0	0	0					
		19D0	2.86	s	25.3	15.9	0	0	0	0	0	0	0	0	0					
		19D0	2.86	s	25.3	18.6	0	0	0	0	0	0	0	0	0					
	W	4J12	18.08	s	4.0	0.5	0	0	0	0	0	0	0	0	0					
		19D0	2.86	s	25.3	18.6	0	0	0	0	0	0	0	0	0					
		19D0	2.86	s	25.3	18.6	0	0	0	0	0	0	0	0	0					
		23G0	9.58	s	7.6	0.9	0	0	0	0	0	0	0	0	0					
	W	Blk wal	30.77	s	2.4	0.0	0	0	0	0	0	0	0	0	0					
	W	4A12	16.18	w	4.5	1.0	0	0	0	0	0	0	0	0	0					
		19D0	2.86	w	25.3	32.1	0	0	0	0	0	0	0	0	0					
		19D0	2.86	w	25.3	32.1	0	0	0	0	0	0	0	0	0					
	W	4J12	18.08	w	4.0	0.9	0	0	0	0	0	0	0	0	0					
		19D0	2.86	w	25.3	31.9	0	0	0	0	0	0	0	0	0					
		19D0	2.86	w	25.3	32.1	0	0	0	0	0	0	0	0	0					
		23G0	9.58	w	7.6	1.7	0	0	0	0	0	0	0	0	0					
	W	Blk wal	30.77	w	2.4	0.0	0	0	0	0	2	2	5	0	0					
	C	Attic c	55.87	-	1.3	0.7	0	0	0	0	0	0	0	0	0					
	C	C part	2.85	-	25.4	14.0	0	0	0	0	0	0	0	0	0					
	F	16A0	3.28	-	11.0	2.1	0	0	0	0	0	0	0	0	0					
	F	16A0	3.28	-	11.0	2.1	0	0	0	0	0	0	0	0	0					
	F	16AG0	25.22	-	1.4	0.3	0	0	0	0	0	0	0	0	0					
	F	BCIN 1	n/a	-	n/a	0.0	58	58	109	0	307	307	700	0	0					
6	Total conductive loss/gain								134	0			861	0						
7	a) Infiltration								312	0			2008	0						
	b) Ventilation								0	0			0	0						
8	Internal gains: People@ 230							0		0		0		0						
	Electric/Appliances									0				0						
	Subtotal (lines 6 to 8)								446	0			2869	0						
9	Less external load								0	0			0	0						
10	Less transfer								0	0			0	0						
11	Subtotal								446	0			2869	0						
12	Distribution losses						0%	0%	0	0	0%	0%	0	0						
	Ducts						0%	0%	0	0	0%	0%	0	0						
	Hydronic						0%	0%	0	0	0%	0%	0	0						
	Redistribution								0	0			0	0						
13	Total room load								446	0			2869	0						
14	Air required (cfm)								6	0			39	0						



F280 Infiltration Report

Entire House

Saltzberry Design

Job:
Date: Sep 20, 2023
By:

Cert.#: (RHLG, RASD)

311 Highland Ave., Fort Erie, ON L2A 2Y1 Phone: 905.658.6452 Email: curtis@saltzberrydesign.com Web: www.saltzberrydesign.com License: #31364 #44567

Project Information

For:
12 FULTON ST, TORONTO, ON

Design Conditions

House type	Detached
Site	Mud flats, no vegetation
Wall shielding	No local shielding
Storeys	2.0 (w/o basement)
Highest ceiling height (ft)	9.0
Foundation	Full

Air Leakage

Air tightness Present (1961-) (ACH=3.57)

Flues

Shielding	Heavy shielding			
Diameter (in)	#1	#2	#3	#4
	0	0	0	0

Summary

Heating

Infiltration area	2724 ft ²
Infiltration volume	23667 ft ³
Unadjusted air change rate	0.463 ach
Unadjusted AVF	182 cfm
Vent adjustment	0 cfm
Net AVF	182 cfm
Net air change rate	0.463 ach

Cooling

Infiltration area	1828 ft ²
Infiltration volume	16499 ft ³
Unadjusted air change rate	0.157 ach
Unadjusted AVF	43 cfm
Vent adjustment	0 cfm
Net AVF	43 cfm
Net air change rate	0.157 ach



F280-12 Room Infiltration

Entire House

Saltzberry Design

Job:
Date: Sep 20, 2023
By:

Cert.#: (RHLG, RASD)

311 Highland Ave., Fort Erie, ON L2A 2Y1 Phone: 905.658.6452 Email: curtis@saltzberrydesign.com Web: www.saltzberrydesign.com License: #31364 #44567

Room Name	Level Factor	Htg load (Btuh)	Clg load (Btuh)	Htg AVF (cfm)	Clg AVF (cfm)
Bedroom	0.30	616	38	8	3
NEW BATH	0.30	216	29	3	2
STUDY	0.30	431	23	6	2
Entry	0.30	745	36	10	3
Living Rm	0.30	1306	86	17	6
New Kitchen	0.30	967	77	12	6
BATH RM	0.20	339	33	4	2
BDRM2	0.20	233	38	3	3
BDRM3	0.20	562	52	7	4
ENSUITE	0.20	130	12	2	1
PRIMARY BDRM	0.20	668	76	9	6
BDRM1	0.20	504	48	6	3
STAIRS/HALL	0.20	419	50	5	4
MECH	0.50	1033	0	13	0
LAUNDRY	0.50	599	0	8	0
WR	0.50	965	0	12	0
NEW REC	0.50	2217	0	28	0
STORAGE	0.50	312	0	4	0
GYM	0.50	2008	0	26	0
Entire House	0	14269	597	182	43



Loads for Multiple Orientations

Entire House

Saltzberry Design

Job:
Date: Sep 20, 2023
By:

Cert.#: (RHLG, RASD)

311 Highland Ave., Fort Erie, ON L2A 2Y1 Phone: 905.658.6452 Email: curtis@saltzberrydesign.com Web: www.saltzberrydesign.com License: #31364 #44567

Project Information

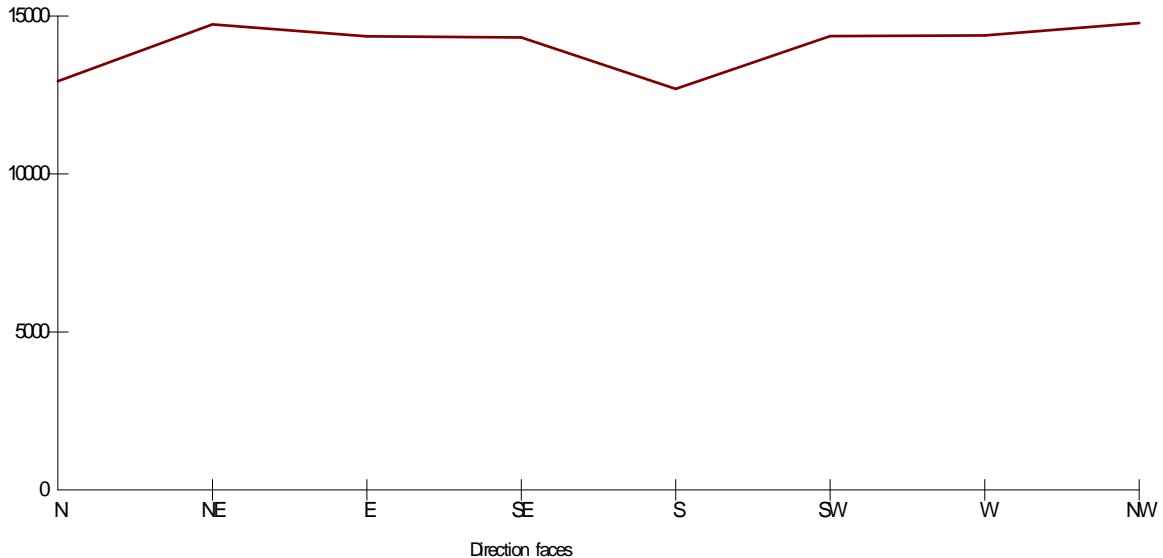
For:
12 FULTON ST, TORONTO, ON

Design Conditions

Location:			Indoor:	Heating	Cooling
Toronto (City Hall), ON, CA			Indoor temperature (°F)	72	75
Elevation: 0 ft			Design TD (°F)	72	13
Latitude: 44°N			Relative humidity (%)	50	50
			Moisture difference (gr/lb)	54.2	33.3
Outdoor:	Heating	Cooling	Infiltration:		
Dry bulb (°F)	0	88			
Daily range (°F)	-	13 (L)			
Wet bulb (°F)	-	73			
Wind speed (mph)	14.3	7.5			

	North	Northeast	East	Southeast	South	Southwest	West	Northwest
Sensible Load (Btuh)	9947	11331	11043	11013	9764	11047	11063	11365
Latent Load (Btuh)	2984	3399	3313	3304	2929	3314	3319	3409
Total Load (Btuh)	12931	14730	14356	14317	12693	14361	14382	14774
Heating AVF (cfm)	474	540	526	524	465	526	527	541
Cooling AVF (cfm)	474	540	526	524	465	526	527	541

Building Orientation Cooling Load



Current Orientation: faces North
Highest Cooling Load: faces Northwest



Right-F280™ Worksheet

Entire House

Saltberry Design

Job:
Date: Sep 20, 2023
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1 Room name				Entire House 375.5 ft				Bedroom 24.5 ft 11.9 x 13.8 ft heat/cool				NEW BATH 5.7 ft 9.3 x 5.7 ft heat/cool						
2 Exposed wall				8.7 ft d				10.0 ft				10.0 ft						
3 Room dimensions																		
4 Room height																		
5	Ty	CST	R - value	Or	TD/R (Btuh/ft²)		Area (ft²) or perim (ft)		Load (Btuh)		Area (ft²) or perim (ft)		Load (Btuh)		Area (ft²) or perim (ft)		Load (Btuh)	
					Heat	Cool	Gross	N/P/S	Heat	Cool	Gross	N/P/S	Heat	Cool	Gross	N/P/S	Heat	Cool
	W	4A12	16.18	n	4.5	0.4	268	229	1025	84	0	0	0	0	0	0	0	0
	W	19D0	2.86	n	25.3	13.8	39	0	988	536	0	0	0	0	0	0	0	0
	W	4J12	18.08	n	4.0	0.3	335	332	1328	109	108	105	420	35	0	0	0	0
	W	19D0	2.86	n	25.3	13.8	3	0	87	47	3	0	87	47	0	0	0	0
	W	Blk wal	30.77	n	2.4	0.0	67	67	158	0	0	0	0	0	0	0	0	0
	W	4A12	16.18	e	4.5	1.0	212	202	903	198	0	0	0	0	0	0	0	0
	W	19D0	2.86	e	25.3	32.1	10	0	262	331	0	0	0	0	0	0	0	0
	W	4J12	18.08	e	4.0	0.9	333	313	1252	274	0	0	0	0	0	0	0	0
	W	19D0	2.86	e	25.3	32.1	20	1	507	641	0	0	0	0	0	0	0	0
	W	Blk wal	30.77	e	2.4	0.0	55	55	129	0	0	0	0	0	0	0	0	0
	W	4A12	16.18	s	4.5	0.5	268	223	998	122	0	0	0	0	0	0	0	0
	W	19D0	1.82	s	39.8	32.5	20	9	796	650	0	0	0	0	0	0	0	0
	W	19D0	2.86	s	25.3	15.9	5	4	127	80	0	0	0	0	0	0	0	0
	W	19D0	2.86	s	25.3	18.6	20	9	507	371	0	0	0	0	0	0	0	0
	W	4J12	18.08	s	4.0	0.5	335	277	1110	136	0	0	0	0	0	0	0	0
	W	19D0	2.86	s	25.3	18.6	10	4	253	186	0	0	0	0	0	0	0	0
	W	19D0	2.86	s	25.3	18.6	28	13	710	520	0	0	0	0	0	0	0	0
	W	23G0	9.58	s	7.6	0.9	20	20	150	18	0	0	0	0	0	0	0	0
	W	Blk wal	30.77	s	2.4	0.0	67	67	158	0	0	0	0	0	0	0	0	0
	W	4A12	16.18	w	4.5	1.0	212	194	867	190	0	0	0	0	0	0	0	0
	W	19D0	2.86	w	25.3	32.1	8	0	203	256	0	0	0	0	0	0	0	0
	W	19D0	2.86	w	25.3	32.1	10	0	262	331	0	0	0	0	0	0	0	0
	W	4J12	18.08	w	4.0	0.9	332	295	1180	258	137	128	513	112	57	47	188	41
	W	19D0	2.86	w	25.3	31.9	9	0	215	271	9	0	215	271	0	0	0	0
	W	19D0	2.86	w	25.3	32.1	10	0	245	310	0	0	0	0	10	0	245	310
	W	23G0	9.58	w	7.6	1.7	20	20	150	33	0	0	0	0	0	0	0	0
	W	Blk wal	30.77	w	2.4	0.0	55	55	129	0	0	0	0	0	0	0	0	0
	C	Attic c	55.87	-	1.3	0.7	888	888	1150	632	0	0	0	0	0	0	0	0
	C	C part	2.85	-	25.4	14.0	52	52	1325	728	0	0	0	0	0	0	0	0
	F	16A0	3.28	-	11.0	2.1	2	2	21	4	0	0	0	0	0	0	0	0
	F	16A0	3.28	-	11.0	2.1	4	4	41	8	0	0	0	0	0	0	0	0
	F	16AG0	25.22	-	1.4	0.3	39	39	57	11	0	0	0	0	0	0	0	0
	F	BCIN 1	n/a	-	n/a	0.0	895	895	2486	0	0	0	0	0	0	0	0	0
6	Total conductive loss/gain								19778	7335			1236	465			433	351
7	a) Infiltration								14269	597			616	38			216	29
	b) Ventilation								829	147			207	37			207	37
8	Internal gains:		People@ 230				0		0				0		0		0	
			Electric/Appliances						1868				144				144	
	Subtotal (lines 6 to 8)								34876	9947			2059	683			856	560
9	Less external load								0	0			0	0			0	0
10	Less transfer								0	0			0	0			0	0
11	Subtotal								34876	9947			2059	683			856	560
12	Distribution losses				Ducts		0%		0	0	0%		0	0	0%		0	0
					Hydronic		0%		0	0	0%		0	0	0%		0	0
	Redistribution								0	0			0	0			0	0
13	Total room load								34876	9947			2059	683			856	560
14	Air required (cfm)								474	474			28	33			12	27



Right-F280™ Worksheet

Entire House

Saltberry Design

Job:
Date: Sep 20, 2023
By:

Cert.#: (RHLG, RASD)
311 Highland Ave., Fort Erie, ON L2A 2Y1 Phone: 905.658.6452 Email: curtis@saltberrydesign.com Web: www.saltberrydesign.com License: #31364 #44567

1 Room name				STUDY				Entry				Living Rm						
2 Exposed wall				16.3 ft				19.6 ft				36.2 ft						
3 Room dimensions				9.2 x 7.1 ft				1.0 x 152.4 ft				1.0 x 274.7 ft						
4 Room height				10.0 ft				10.0 ft				10.0 ft						
				heat/cool				heat/cool				heat/cool						
Ty	CST	R - value	Or	TD/R (Btuh/ft²)		Area (ft²) or perim (ft)		Load (Btuh)		Area (ft²) or perim (ft)		Load (Btuh)		Area (ft²) or perim (ft)		Load (Btuh)		
				Heat	Cool	Gross	N/P/S	Heat	Cool	Gross	N/P/S	Heat	Cool	Gross	N/P/S	Heat	Cool	
5	W	4A12	16.18	n	4.5	0.4	0	0	0	0	0	0	0	0	0	0	0	
		19D0	2.86	n	25.3	13.8	0	0	0	0	0	0	0	0	0	0	0	
	W	4J12	18.08	n	4.0	0.3	0	0	0	58	58	230	19	0	0	0	0	
		19D0	2.86	n	25.3	13.8	0	0	0	0	0	0	0	0	0	0	0	
	W	Blk wal	30.77	n	2.4	0.0	0	0	0	0	0	0	0	0	0	0	0	
	W	4A12	16.18	e	4.5	1.0	0	0	0	0	0	0	0	0	0	0	0	
		19D0	2.86	e	25.3	32.1	0	0	0	0	0	0	0	0	0	0	0	
	W	4J12	18.08	e	4.0	0.9	0	0	0	38	38	150	33	162	162	648	142	
		19D0	2.86	e	25.3	32.1	0	0	0	0	0	0	0	0	0	0	0	
	W	Blk wal	30.77	e	2.4	0.0	0	0	0	0	0	0	0	0	0	0	0	
	W	4A12	16.18	s	4.5	0.5	0	0	0	0	0	0	0	0	0	0	0	
		19D0	1.82	s	39.8	32.5	0	0	0	0	0	0	0	0	0	0	0	
		19D0	2.86	s	25.3	15.9	0	0	0	0	0	0	0	0	0	0	0	
		19D0	2.86	s	25.3	18.6	0	0	0	0	0	0	0	0	0	0	0	
	W	4J12	18.08	s	4.0	0.5	92	82	327	40	63	43	174	21	180	152	609	
		19D0	2.86	s	25.3	18.6	10	4	253	186	0	0	0	0	0	0	0	
		19D0	2.86	s	25.3	18.6	0	0	0	0	0	0	0	28	13	710		
		23G0	9.58	s	7.6	0.9	0	0	0	20	20	150	18	0	0	0		
	W	Blk wal	30.77	s	2.4	0.0	0	0	0	0	0	0	0	0	0	0		
	W	4A12	16.18	w	4.5	1.0	0	0	0	0	0	0	0	0	0	0		
		19D0	2.86	w	25.3	32.1	0	0	0	0	0	0	0	0	0	0		
		19D0	2.86	w	25.3	32.1	0	0	0	0	0	0	0	0	0	0		
	W	4J12	18.08	w	4.0	0.9	71	71	284	62	38	18	71	16	20	20		
		19D0	2.86	w	25.3	31.9	0	0	0	0	0	0	0	0	0	0		
		19D0	2.86	w	25.3	32.1	0	0	0	0	0	0	0	0	0	0		
		23G0	9.58	w	7.6	1.7	0	0	0	20	20	150	33	0	0	0		
	W	Blk wal	30.77	w	2.4	0.0	0	0	0	0	0	0	0	0	0	0		
	C	Attic c	55.87	-	1.3	0.7	0	0	0	0	0	0	0	0	0	0		
	C	C part	2.85	-	25.4	14.0	0	0	0	21	21	536	295	21	21	530		
	F	16A0	3.28	-	11.0	2.1	0	0	0	0	0	3	1	2	2			
	F	16A0	3.28	-	11.0	2.1	0	0	0	0	0	0	0	0	0			
	F	16AG0	25.22	-	1.4	0.3	0	0	0	21	21	31	6	18	18			
	F	BCIN 1	n/a	-	n/a	0.0	0	0	0	0	0	0	0	0	0			
6	Total conductive loss/gain						864		288				1495		441		2620	
7	a) Infiltration						431		23				745		36		1306	
	b) Ventilation						0		0				0		0		207	
8	Internal gains:		People@ 230				0		0				0		0		0	
			Electric/Appliances						144				144				144	
	Subtotal (lines 6 to 8)						1295		455				2240		620		4133	
9	Less external load						0		0				0		0		0	
10	Less transfer						0		0				0		0		0	
11	Subtotal						1295		455				2240		620		4133	
12	Distribution losses		Ducts		0%		0%		0		0%		0		0%		0	
			Hydronic		0%		0%		0		0%		0		0%		0	
	Redistribution						0		0				0		0		0	
13	Total room load						1295		455				2240		620		4133	
14	Air required (cfm)						18		22				30		30		56	



Right-F280™ Worksheet

Entire House

Saltberry Design

Job:
Date: Sep 20, 2023
By:

Cert.#: (RHLG, RASD)
311 Highland Ave., Fort Erie, ON L2A 2Y1 Phone: 905.658.6452 Email: curtis@saltberrydesign.com Web: www.saltberrydesign.com License: #31364 #44567

1	Room name				New Kitchen				BATH RM				BDRM2						
	Exposed wall				31.3 ft				18.8 ft				8.6 ft						
	Room dimensions				1.0 x 230.4 ft				11.8 x 7.0 ft				11.8 x 8.6 ft						
4	Room height				10.0 ft				8.0 ft				8.0 ft						
	Ty	CST	R - value	Or	TD/R (Btuh/ft²)		Area (ft²) or perim (ft)		Load (Btuh)		Area (ft²) or perim (ft)		Load (Btuh)		Area (ft²) or perim (ft)		Load (Btuh)		
					Heat	Cool	Gross	N/P/S	Heat	Cool	Gross	N/P/S	Heat	Cool	Gross	N/P/S	Heat	Cool	
5	W	4A12	16.18	n	4.5	0.4	0	0	0	0	95	95	424	35	0	0	0	0	
		19D0	2.86	n	25.3	13.8	0	0	0	0	0	0	0	0	0	0	0	0	
	W	4J12	18.08	n	4.0	0.3	169	169	678	56	0	0	0	0	0	0	0	0	
		19D0	2.86	n	25.3	13.8	0	0	0	0	0	0	0	0	0	0	0	0	
	W	Blk wal	30.77	n	2.4	0.0	0	0	0	0	0	0	0	0	0	0	0	0	
	W	4A12	16.18	e	4.5	1.0	0	0	0	0	0	0	0	0	0	0	0	0	
		19D0	2.86	e	25.3	32.1	0	0	0	0	0	0	0	0	0	0	0	0	
	W	4J12	18.08	e	4.0	0.9	133	113	454	99	0	0	0	0	0	0	0	0	
		19D0	2.86	e	25.3	32.1	20	1	507	641	0	0	0	0	0	0	0	0	
	W	Blk wal	30.77	e	2.4	0.0	0	0	0	0	0	0	0	0	0	0	0	0	
	W	4A12	16.18	s	4.5	0.5	0	0	0	0	0	0	0	0	0	0	0	0	
		19D0	1.82	s	39.8	32.5	0	0	0	0	0	0	0	0	0	0	0	0	
		19D0	2.86	s	25.3	15.9	0	0	0	0	0	0	0	0	0	0	0	0	
		19D0	2.86	s	25.3	18.6	0	0	0	0	0	0	0	0	0	0	0	0	
	W	4J12	18.08	s	4.0	0.5	0	0	0	0	0	0	0	0	0	0	0	0	
		19D0	2.86	s	25.3	18.6	0	0	0	0	0	0	0	0	0	0	0	0	
		19D0	2.86	s	25.3	18.6	0	0	0	0	0	0	0	0	0	0	0	0	
		23G0	9.58	s	7.6	0.9	0	0	0	0	0	0	0	0	0	0	0	0	
	W	Blk wal	30.77	s	2.4	0.0	0	0	0	0	0	0	0	0	0	0	0	0	
	W	4A12	16.18	w	4.5	1.0	0	0	0	56	48	215	47	69	58	261	57	0	
		19D0	2.86	w	25.3	32.1	0	0	0	8	0	203	256	0	0	0	0	0	
		19D0	2.86	w	25.3	32.1	0	0	0	0	0	0	0	10	0	262	331	0	
	W	4J12	18.08	w	4.0	0.9	11	11	43	10	0	0	0	0	0	0	0	0	
		19D0	2.86	w	25.3	31.9	0	0	0	0	0	0	0	0	0	0	0	0	
		19D0	2.86	w	25.3	32.1	0	0	0	0	0	0	0	0	0	0	0	0	
		23G0	9.58	w	7.6	1.7	0	0	0	0	0	0	0	0	0	0	0	0	
	W	Blk wal	30.77	w	2.4	0.0	0	0	0	0	0	0	0	0	0	0	0	0	
	C	Attic c	55.87	-	1.3	0.7	0	0	0	83	83	107	59	102	102	132	72	0	
	C	C part	2.85	-	25.4	14.0	10	10	259	142	0	0	0	0	0	0	0	0	
	F	16A0	3.28	-	11.0	2.1	0	0	0	0	0	0	0	0	0	0	0	0	
	F	16A0	3.28	-	11.0	2.1	0	0	0	0	1	1	16	3	1	8	1	0	
	F	16AG0	25.22	-	1.4	0.3	0	0	0	0	0	0	0	0	0	0	0	0	
	F	BCIN 1	n/a	-	n/a	0.0	0	0	0	0	0	0	0	0	0	0	0	0	
6	Total conductive loss/gain								1941	948			965	401			662	462	
7	a) Infiltration								967	77			339	33			233	38	
	b) Ventilation								207	37			0	0			0	0	
8	Internal gains: People@ 230 Electric/Appliances							0	0	144		0	0	144		0	144	0	
	Subtotal (lines 6 to 8)								3115	1206			1304	577			895	644	
9	Less external load								0	0			0	0			0	0	
10	Less transfer								0	0			0	0			0	0	
11	Subtotal								3115	1206			1304	577			895	644	
12	Distribution losses							0%	0%	0	0	0%	0%	0	0	0%	0%	0	0
	Redistribution							0%	0%	0	0	0%	0%	0	0	0%	0%	0	0
13	Total room load								3115	1206			1304	577			895	644	
14	Air required (cfm)								42	57			18	27			12	31	



Right-F280™ Worksheet

Entire House

Saltberry Design

Job:
Date: Sep 20, 2023
By:

Cert.#: (RHLG, RASD)
311 Highland Ave., Fort Erie, ON L2A 2Y1 Phone: 905.658.6452 Email: curtis@saltberrydesign.com Web: www.saltberrydesign.com License: #31364 #44567

1 Room name				BDRM3 26.6 ft				ENSUITE 5.3 ft				PRIMARY BDRM 26.7 ft						
2 Exposed wall				15.7 x 10.9 ft				5.3 x 10.9 ft				1.0 x 184.9 ft						
3 Room dimensions				8.0 ft				8.0 ft				8.0 ft						
4 Room height				heat/cool				heat/cool				heat/cool						
5	Ty	CST	R - value	Or	TD/R (Btuh/ft²)		Area (ft²) or perim (ft)		Load (Btuh)		Area (ft²) or perim (ft)		Load (Btuh)		Area (ft²) or perim (ft)		Load (Btuh)	
					Heat	Cool	Gross	N/P/S	Heat	Cool	Gross	N/P/S	Heat	Cool	Gross	N/P/S	Heat	Cool
5	W	4A12	16.18	n	4.5	0.4	0	0	0	0	0	0	0	0	0	0	0	0
	G	19D0	2.86	n	25.3	13.8	0	0	0	0	0	0	0	0	0	0	0	0
	W	4J12	18.08	n	4.0	0.3	0	0	0	0	0	0	0	0	0	0	0	0
	G	19D0	2.86	n	25.3	13.8	0	0	0	0	0	0	0	0	0	0	0	0
	W	Blk wal	30.77	n	2.4	0.0	0	0	0	0	0	0	0	0	0	0	0	0
	W	4A12	16.18	e	4.5	1.0	0	0	0	0	0	0	0	113	113	507	111	0
	G	19D0	2.86	e	25.3	32.1	0	0	0	0	0	0	0	0	0	0	0	0
	W	4J12	18.08	e	4.0	0.9	0	0	0	0	0	0	0	0	0	0	0	0
	G	19D0	2.86	e	25.3	32.1	0	0	0	0	0	0	0	0	0	0	0	0
	W	Blk wal	30.77	e	2.4	0.0	0	0	0	0	0	0	0	0	0	0	0	0
	W	4A12	16.18	s	4.5	0.5	125	105	471	58	43	38	169	21	100	80	358	44
	G	19D0	1.82	s	39.8	32.5	0	0	0	0	0	0	0	20	9	796	650	
	G	19D0	2.86	s	25.3	15.9	0	0	0	0	5	4	127	80	0	0	0	
	G	19D0	2.86	s	25.3	18.6	20	9	507	371	0	0	0	0	0	0	0	
	W	4J12	18.08	s	4.0	0.5	0	0	0	0	0	0	0	0	0	0	0	
	G	19D0	2.86	s	25.3	18.6	0	0	0	0	0	0	0	0	0	0	0	
	G	19D0	2.86	s	25.3	18.6	0	0	0	0	0	0	0	0	0	0	0	
	D	23G0	9.58	w	7.6	0.9	0	0	0	0	0	0	0	0	0	0	0	
	W	Blk wal	30.77	s	2.4	0.0	0	0	0	0	0	0	0	0	0	0	0	
	W	4A12	16.18	w	4.5	1.0	87	87	391	86	0	0	0	0	0	0	0	
	G	19D0	2.86	w	25.3	32.1	0	0	0	0	0	0	0	0	0	0	0	
	G	19D0	2.86	w	25.3	32.1	0	0	0	0	0	0	0	0	0	0	0	
	W	4J12	18.08	w	4.0	0.9	0	0	0	0	0	0	0	0	0	0	0	
	G	19D0	2.86	w	25.3	31.9	0	0	0	0	0	0	0	0	0	0	0	
	G	19D0	2.86	w	25.3	32.1	0	0	0	0	0	0	0	0	0	0	0	
	D	23G0	9.58	w	7.6	1.7	0	0	0	0	0	0	0	0	0	0	0	
	W	Blk wal	30.77	w	2.4	0.0	0	0	0	0	0	0	0	0	0	0	0	
	C	Attic c	55.87	-	1.3	0.7	171	171	222	122	58	58	75	41	185	185	240	
	C	C part	2.85	-	25.4	14.0	0	0	0	0	0	0	0	0	0	0	0	
	F	16A0	3.28	-	11.0	2.1	0	0	0	0	0	0	0	0	0	0	0	
	F	16A0	3.28	-	11.0	2.1	1	1	10	2	0	0	0	0	0	0	0	
	F	16AG0	25.22	-	1.4	0.3	0	0	0	0	0	0	0	0	0	0	0	
	F	BCIN 1	n/a	-	n/a	0.0	0	0	0	0	0	0	0	0	0	0	0	
6	Total conductive loss/gain								1601	638			371	142			1901	936
7	a)	Infiltration							562	52			130	12			668	76
	b)	Ventilation							0	0			0	0			0	0
8	Internal gains:		People@	230					0	0			0	0			0	0
			Electric/Appliances							144				144				144
	Subtotal (lines 6 to 8)								2163	834			501	297			2569	1156
9	Less external load								0	0			0	0			0	0
10	Less transfer								0	0			0	0			0	0
11	Subtotal								2163	834			501	297			2569	1156
12	Distribution losses								0	0			0	0			0	0
			Ducts			0%	0%		0	0			0	0			0	0
			Hydronic			0%	0%		0	0			0	0			0	0
	Redistribution								0	0			0	0			0	0
13	Total room load								2163	834			501	297			2569	1156
14	Air required (cfm)								29	40			7	14			35	55



Right-F280™ Worksheet

Entire House

Saltberry Design

Job:
Date: Sep 20, 2023
By:

Cert.#: (RHLG, RASD)
311 Highland Ave., Fort Erie, ON L2A 2Y1 Phone: 905.658.6452 Email: curtis@saltberrydesign.com Web: www.saltberrydesign.com License: #31364 #44567

1 Room name				BDRM1 27.3 ft				STAIRS/HALL 6.8 ft				MECH 17.7 ft							
2 Exposed wall				14.9 x 12.4 ft				6.8 x 15.6 ft				10.6 x 7.2 ft							
3 Room dimensions				8.0 ft				8.0 ft				8.0 ft							
4 Room height				heat/cool				heat/cool				heat only							
Ty	CST	R - value	Or	TD/R (Btuh/ft²)		Area (ft²) or perim (ft)		Load (Btuh)		Area (ft²) or perim (ft)		Load (Btuh)		Area (ft²) or perim (ft)		Load (Btuh)			
				Heat	Cool	Gross	N/P/S	Heat	Cool	Gross	N/P/S	Heat	Cool	Gross	N/P/S	Heat	Cool		
5	W	4A12	16.18	n	4.5	0.4	119	119	534	44	54	15	67	6	0	0	0	0	
		19D0	2.86	n	25.3	13.8	0	0	0	0	39	0	988	536	0	0	0	0	
	W	4J12	18.08	n	4.0	0.3	0	0	0	0	0	0	0	0	0	0	0	0	
		19D0	2.86	n	25.3	13.8	0	0	0	0	0	0	0	0	0	0	0	0	
	W	Blk wal	30.77	n	2.4	0.0	0	0	0	0	0	0	0	0	21	21	49	0	
	W	4A12	16.18	e	4.5	1.0	99	88	395	87	0	0	0	0	0	0	0	0	
		19D0	2.86	e	25.3	32.1	10	0	262	331	0	0	0	0	0	0	0	0	
	W	4J12	18.08	e	4.0	0.9	0	0	0	0	0	0	0	0	0	0	0	0	
		19D0	2.86	e	25.3	32.1	0	0	0	0	0	0	0	0	0	0	0	0	
	W	Blk wal	30.77	e	2.4	0.0	0	0	0	0	0	0	0	0	0	0	0	0	
	W	4A12	16.18	s	4.5	0.5	0	0	0	0	0	0	0	0	0	0	0	0	
		19D0	1.82	s	39.8	32.5	0	0	0	0	0	0	0	0	0	0	0	0	
		19D0	2.86	s	25.3	15.9	0	0	0	0	0	0	0	0	0	0	0	0	
		19D0	2.86	s	25.3	18.6	0	0	0	0	0	0	0	0	0	0	0	0	
	W	4J12	18.08	s	4.0	0.5	0	0	0	0	0	0	0	0	0	0	0	0	
		19D0	2.86	s	25.3	18.6	0	0	0	0	0	0	0	0	0	0	0	0	
		19D0	2.86	s	25.3	18.6	0	0	0	0	0	0	0	0	0	0	0	0	
		23G0	9.58	w	7.6	0.9	0	0	0	0	0	0	0	0	0	0	0	0	
	W	Blk wal	30.77	s	2.4	0.0	0	0	0	0	0	0	0	0	0	0	0	0	
	W	4A12	16.18	w	4.5	1.0	0	0	0	0	0	0	0	0	0	0	0	0	
		19D0	2.86	w	25.3	32.1	0	0	0	0	0	0	0	0	0	0	0	0	
		19D0	2.86	w	25.3	32.1	0	0	0	0	0	0	0	0	0	0	0	0	
	W	4J12	18.08	w	4.0	0.9	0	0	0	0	0	0	0	0	0	0	0	0	
		19D0	2.86	w	25.3	31.9	0	0	0	0	0	0	0	0	0	0	0	0	
		19D0	2.86	w	25.3	32.1	0	0	0	0	0	0	0	0	0	0	0	0	
		23G0	9.58	w	7.6	1.7	0	0	0	0	0	0	0	0	0	0	0	0	
	W	Blk wal	30.77	w	2.4	0.0	0	0	0	0	0	0	0	0	14	14	34	0	
	C	Attic c	55.87	-	1.3	0.7	184	184	238	131	105	105	136	75	0	0	0	0	
	C	C part	2.85	-	25.4	14.0	0	0	0	0	0	0	0	0	0	0	0	0	
	F	16A0	3.28	-	11.0	2.1	0	0	0	0	0	0	0	0	0	0	0	0	
	F	16A0	3.28	-	11.0	2.1	0	0	5	1	0	0	2	0	0	0	0	0	
	F	16AG0	25.22	-	1.4	0.3	0	0	0	0	0	0	0	0	0	0	0	0	
	F	BCIN 1	n/a	-	n/a	0.0	0	0	0	0	0	0	0	0	75	75	360	0	
6	Total conductive loss/gain								1435	594			1193	617			443	0	
7	a) Infiltration								504	48			419	50			1033	0	
	b) Ventilation								0	0			0	0			0	0	
8	Internal gains:		People@	230					0	0			0	0			0	0	
			Electric/Appliances							144				144				0	
	Subtotal (lines 6 to 8)								1939	786			1612	811			1476	0	
9	Less external load								0	0			0	0			0	0	
10	Less transfer								0	0			0	0			0	0	
11	Subtotal								1939	786			1612	811			1476	0	
12	Distribution losses		Ducts	0%	0%					0	0			0	0			0	0
			Hydronic	0%	0%					0	0			0	0			0	0
	Redistribution								0	0			0	0			0	0	
13	Total room load								1939	786			1612	811			1476	0	
14	Air required (cfm)								26	37			22	39			20	0	



Right-F280™ Worksheet

Entire House

Saltberry Design

Job:
Date: Sep 20, 2023
By:

Cert.#: (RHLG, RASD)
311 Highland Ave., Fort Erie, ON L2A 2Y1 Phone: 905.658.6452 Email: curtis@saltberrydesign.com Web: www.saltberrydesign.com License: #31364 #44567

1	Room name				LAUNDRY				WR				NEW REC					
	Exposed wall				10.3 ft				16.5 ft				37.9 ft					
	Room dimensions				7.5 x 10.3 ft				7.5 x 9.1 ft				26.0 x 11.9 ft					
4	Room height				8.0 ft				8.0 ft				8.0 ft					
	Ty	CST	R - value	Or	TD/R (Btuh/ft²)		Area (ft²) or perim (ft)		Load (Btuh)		Area (ft²) or perim (ft)		Load (Btuh)		Area (ft²) or perim (ft)		Load (Btuh)	
					Heat	Cool	Gross	N/P/S	Heat	Cool	Gross	N/P/S	Heat	Cool	Gross	N/P/S	Heat	Cool
5	W	4A12	16.18	n	4.5	0.4	0	0	0	0	0	0	0	0	0	0	0	0
	W	19D0	2.86	n	25.3	13.8	0	0	0	0	0	0	0	0	0	0	0	0
	W	4J12	18.08	n	4.0	0.3	0	0	0	0	0	0	0	0	0	0	0	0
	W	19D0	2.86	n	25.3	13.8	0	0	0	0	0	0	0	0	0	0	0	0
	W	Blk wal	30.77	n	2.4	0.0	0	0	0	0	0	0	0	0	0	0	0	0
	W	4A12	16.18	e	4.5	1.0	0	0	0	0	0	0	0	0	0	0	0	0
	W	19D0	2.86	e	25.3	32.1	0	0	0	0	0	0	0	0	0	0	0	0
	W	4J12	18.08	e	4.0	0.9	0	0	0	0	0	0	0	0	0	0	0	0
	W	19D0	2.86	e	25.3	32.1	0	0	0	0	0	0	0	0	0	0	0	0
	W	Blk wal	30.77	e	2.4	0.0	0	0	0	0	0	0	0	24	24	56	0	0
	W	4A12	16.18	s	4.5	0.5	0	0	0	0	0	0	0	0	0	0	0	0
	W	19D0	1.82	s	39.8	32.5	0	0	0	0	0	0	0	0	0	0	0	0
	W	19D0	2.86	s	25.3	15.9	0	0	0	0	0	0	0	0	0	0	0	0
	W	19D0	2.86	s	25.3	18.6	0	0	0	0	0	0	0	0	0	0	0	0
	W	4J12	18.08	s	4.0	0.5	0	0	0	0	0	0	0	0	0	0	0	0
	W	19D0	2.86	s	25.3	18.6	0	0	0	0	0	0	0	0	0	0	0	0
	W	19D0	2.86	s	25.3	18.6	0	0	0	0	0	0	0	0	0	0	0	0
	W	23G0	9.58	s	7.6	0.9	0	0	0	0	0	0	0	0	0	0	0	0
	W	Blk wal	30.77	s	2.4	0.0	0	0	0	0	15	15	35	0	52	52	122	0
	W	4A12	16.18	w	4.5	1.0	0	0	0	0	0	0	0	0	0	0	0	0
	W	19D0	2.86	w	25.3	32.1	0	0	0	0	0	0	0	0	0	0	0	0
	W	19D0	2.86	w	25.3	32.1	0	0	0	0	0	0	0	0	0	0	0	0
	W	4J12	18.08	w	4.0	0.9	0	0	0	0	0	0	0	0	0	0	0	0
	W	19D0	2.86	w	25.3	31.9	0	0	0	0	0	0	0	0	0	0	0	0
	W	19D0	2.86	w	25.3	32.1	0	0	0	0	0	0	0	0	0	0	0	0
	W	23G0	9.58	w	7.6	1.7	0	0	0	0	0	0	0	0	0	0	0	0
	W	Blk wal	30.77	w	2.4	0.0	21	21	48	0	18	18	42	0	0	0	0	0
	C	Attic c	55.87	-	1.3	0.7	0	0	0	0	0	0	0	0	0	0	0	0
	C	C part	2.85	-	25.4	14.0	0	0	0	0	0	0	0	0	0	0	0	0
	F	16A0	3.28	-	11.0	2.1	0	0	0	0	0	0	0	0	0	0	0	0
	F	16A0	3.28	-	11.0	2.1	0	0	0	0	0	0	0	0	0	0	0	0
	F	16AG0	25.22	-	1.4	0.3	0	0	0	0	0	0	0	0	0	0	0	0
	F	BCIN 1	n/a	-	n/a	0.0	77	77	209	0	68	68	336	0	310	310	773	0
6	Total conductive loss/gain								257	0			414	0			951	0
7	a) Infiltration								599	0			965	0			2217	0
	b) Ventilation								0	0			0	0			0	0
8	Internal gains: People@ 230								0	0			0	0			0	0
	Electric/Appliances								0	0			0	0			0	0
	Subtotal (lines 6 to 8)								857	0			1379	0			3168	0
9	Less external load								0	0			0	0			0	0
10	Less transfer								0	0			0	0			0	0
11	Subtotal								857	0			1379	0			3168	0
12	Distribution losses								0	0			0	0			0	0
	Ducts								0%	0%			0%	0%			0%	0%
	Hydronic								0%	0%			0%	0%			0%	0%
	Redistribution								0	0			0	0			0	0
13	Total room load								857	0			1379	0			3168	0
14	Air required (cfm)								12	0			19	0			43	0



Right-F280™ Worksheet

Entire House

Saltberry Design

Job:
Date: Sep 20, 2023
By:

Cert.#: (RHLG, RASD)
311 Highland Ave., Fort Erie, ON L2A 2Y1 Phone: 905.658.6452 Email: curtis@saltberrydesign.com Web: www.saltberrydesign.com License: #31364 #44567

1	Room name				STORAGE				GYM											
	Exposed wall				5.3 ft				34.3 ft											
	Room dimensions				5.3 x 10.9 ft				1.0 x 307.1 ft											
4	Room height				8.0 ft				heat only				8.0 ft				heat only			
	Ty	CST	R - value	Or	TD/R (Btuh/ft²)		Area (ft²) or perim (ft)		Load (Btuh)		Area (ft²) or perim (ft)		Load (Btuh)		Area or perim		Load			
					Heat	Cool	Gross	N/P/S	Heat	Cool	Gross	N/P/S	Heat	Cool	Gross	N/P/S	Heat	Cool		
5	W	4A12	16.18	n	4.5	0.4	0	0	0	0	0	0	0	0	0					
		19D0	2.86	n	25.3	13.8	0	0	0	0	0	0	0	0	0					
	W	4J12	18.08	n	4.0	0.3	0	0	0	0	0	0	0	0	0					
		19D0	2.86	n	25.3	13.8	0	0	0	0	0	0	0	0	0					
	W	Blk wal	30.77	n	2.4	0.0	11	11	25	0	35	35	83	0	0					
	W	4A12	16.18	e	4.5	1.0	0	0	0	0	0	0	0	0	0					
		19D0	2.86	e	25.3	32.1	0	0	0	0	0	0	0	0	0					
	W	4J12	18.08	e	4.0	0.9	0	0	0	0	0	0	0	0	0					
		19D0	2.86	e	25.3	32.1	0	0	0	0	0	0	0	0	0					
	W	Blk wal	30.77	e	2.4	0.0	0	0	0	0	31	31	73	0	0					
	W	4A12	16.18	s	4.5	0.5	0	0	0	0	0	0	0	0	0					
		19D0	1.82	s	39.8	32.5	0	0	0	0	0	0	0	0	0					
		19D0	2.86	s	25.3	15.9	0	0	0	0	0	0	0	0	0					
		19D0	2.86	s	25.3	18.6	0	0	0	0	0	0	0	0	0					
	W	4J12	18.08	s	4.0	0.5	0	0	0	0	0	0	0	0	0					
		19D0	2.86	s	25.3	18.6	0	0	0	0	0	0	0	0	0					
		19D0	2.86	s	25.3	18.6	0	0	0	0	0	0	0	0	0					
		23G0	9.58	s	7.6	0.9	0	0	0	0	0	0	0	0	0					
	W	Blk wal	30.77	s	2.4	0.0	0	0	0	0	0	0	0	0	0					
	W	4A12	16.18	w	4.5	1.0	0	0	0	0	0	0	0	0	0					
		19D0	2.86	w	25.3	32.1	0	0	0	0	0	0	0	0	0					
		19D0	2.86	w	25.3	32.1	0	0	0	0	0	0	0	0	0					
	W	4J12	18.08	w	4.0	0.9	0	0	0	0	0	0	0	0	0					
		19D0	2.86	w	25.3	31.9	0	0	0	0	0	0	0	0	0					
		19D0	2.86	w	25.3	32.1	0	0	0	0	0	0	0	0	0					
		23G0	9.58	w	7.6	1.7	0	0	0	0	0	0	0	0	0					
	W	Blk wal	30.77	w	2.4	0.0	0	0	0	2	2	5	0	0	0					
	C	Attic c	55.87	-	1.3	0.7	0	0	0	0	0	0	0	0	0					
	C	C part	2.85	-	25.4	14.0	0	0	0	0	0	0	0	0	0					
	F	16A0	3.28	-	11.0	2.1	0	0	0	0	0	0	0	0	0					
	F	16A0	3.28	-	11.0	2.1	0	0	0	0	0	0	0	0	0					
	F	16AG0	25.22	-	1.4	0.3	0	0	0	0	0	0	0	0	0					
	F	BCIN 1	n/a	-	n/a	0.0	58	58	109	0	307	307	700	0	0					
6	Total conductive loss/gain								134	0			861	0						
7	a) Infiltration								312	0			2008	0						
	b) Ventilation								0	0			0	0						
8	Internal gains: People@ 230							0		0		0		0						
	Electric/Appliances									0				0						
	Subtotal (lines 6 to 8)								446	0			2869	0						
9	Less external load								0	0			0	0						
10	Less transfer								0	0			0	0						
11	Subtotal								446	0			2869	0						
12	Distribution losses						0%	0%	0	0	0%	0%	0	0						
	Ducts						0%	0%	0	0	0%	0%	0	0						
	Hydronic						0%	0%	0	0	0%	0%	0	0						
	Redistribution								0	0			0	0						
13	Total room load								446	0			2869	0						
14	Air required (cfm)								6	0			39	0						

Heat loss and gain calculation summary sheet

CSA-F280-M12
Standard Form No. 1

These documents issued for the use of **Saltzberry Design** and may not be used by any other persons without authorization. Documents for permit and/or construction are signed in red.

Project no.

Building location

Model:	Site: CAN/CSA F280-12
Address: 12 FULTON ST	Lot:
City and Province: TORONTO ON	Postal code:

Calculations based on

Dimensional information based on:			
Attachment: Detached	Front facing: North	Assumed? No	
Number of storeys: 2 + basement	Air tightness: Present (1961-) (ACH=3.57)	Assumed? Yes	
Weather location: Toronto (City Hall), ON, CA	Ventilated: Included	Wind exposure: No local shielding	
HRV?	Internal shading: (none)	Occupants: 0	
Recovery %: 75 %	Units: Imperial (I-P)		

Heating design conditions

Cooling design conditions

Outdoor temp: 0 °F	Indoor temp: 72 °F	Mean soil temp: 50 °F	Outdoor temp: 88 °F	Indoor temp: 75 °F	Latitude: 44 °N	SRange: 13 °F
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Above grade walls

Below grade walls

Style A: n,e,s,w - 4A12 (Frm wall, brk 4" ext, 3/8" wood shth, r-21 cav ins, 1/2" gypsum board int fnsh, wood frm, 16" o.c. stud)	Style A: BCIN_1: Bsmnt, 6 ft BG, conc fndatn, wall R-30.77, flr unis
Style B: n,e,s,w - 4J12 (Frm wall, brk 4" ext, 3/8" wood shth, r-13 cav ins, 1/2" gypsum board int fnsh, bd ins, 2"x4" wood frm, 16" o.c. stud)	Style B:
Style C: n,e,s,w - Blk wall, 2"x6" wood int frm, 8" thk	Style C:
Style D:	Style D:

Floors on soil

Ceilings

Style A: BCIN_1: Bsmnt, 6 ft BG, conc fndatn, wall R-30.77, flr unis HLR=2486 Btuh	Style A: Attic ceiling, asphalt shingles roof mat, r-60 ceil ins, 1/2" gypsum board int fnsh
Style B:	Style B: C part ceiling, frm flr, 6" thkns
	Style C:

Exposed floors

Doors

Style A: 16A0 (Part floor, frm flr, 10" thkns, 1/2" gypsum board int fnsh)	Style A: s,w - 23G0 (Door, mtl eps core type)
Style B: 16AG0 (Part floor, r-28 ins, frm flr, 6" thkns)	Style B:

Windows

Skylights

Style A: n - 19D0 (2 glazing, clr low-e outr, argon gas, vnl frm mat, clr innr, clr strm, 1/2" gap, 1/8" thk ft overhang (9.75 ft window ht, 1 ft sep.); 6.67 ft head ht)	Style C:
Style B: n - 19D0 (2 glazing, clr low-e outr, argon gas, vnl frm mat, clr innr, clr strm, 1/2" gap, 1/8" thk ft overhang (1.42 ft window ht, 1 ft sep.); 6.67 ft head ht)	1.4
Style C: e,s,w - 19D0 (2 glazing, clr low-e outr, argon gas, vnl frm mat, clr innr, clr strm, 1/2" gap, 1/8" thk 1.4 ft overhang (4 ft window ht, 1 ft sep.); 6.67 ft head ht)	Style A:
Style D: 3 more, see next page	Style B:

Attached documents:

Notes:

Calculations performed by

Name:	
Company:	Saltzberry Design
Address:	311 Highland Ave.
City and Province:	Fort Erie ON
Postal code:	L2A 2Y1
Telephone:	905.658.6452
Fax:	
E-mail:	curtis@saltzberrydesign.com



HRAI cert.#: (Loads,Ducts)

Heat loss and gain calculation summary sheet (cont.)

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Project no.

Windows

Style D: s - 19D0 (2 glazing, clr outr, air gas, wd frm mat, clr innr, 1/4" gap, 1/8" thk; clear; 1.4 ft overhang (4 ft
... window ht, 1 ft sep.); 6.67 ft head ht)

Style E: s - 19D0 (2 glazing, clr low-e outr, argon gas, vnl frm mat, clr innr, clr strm, 1/2" gap, 1/8" thk; 1.4 ft
... overhang (2.4 ft window ht, 1 ft sep.); 6.67 ft head ht)

Style F: w - 19D0 (2 glazing, clr low-e outr, argon gas, vnl frm mat, clr innr, clr strm, 1/2" gap, 1/8" thk; 1.4 ft
... overhang (3 ft window ht, 1 ft sep.); 6.67 ft head ht)



F280-12 Basement/Slab Heat Loss

For BCIN_1

Saltzberry Design

Job:
Date: Sep 20, 2023
By:

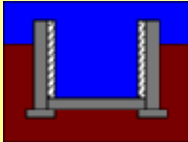
Cert.#: (RHLG, RASD)

311 Highland Ave., Fort Erie, ON L2A 2Y1 Phone: 905.658.6452 Email: curtis@saltzberrydesign.com Web: www.saltzberrydesign.com License: #31364 #44567

Project Information

For:
12 FULTON ST, TORONTO, ON

Weather Station	
Province Region	ON Toronto (City Hall)
Foundation Dimensions	
Floor length (ft)	36.3
Floor width (ft)	24.6
Exposed perimeter (ft)	122.0
Wall height (ft)	8.0
Depth below grade (ft)	6.0
Window area (ft ²)	0
Door area (ft ²)	0
Radiant Slab	
Heated fraction	0
Design Months	
Heating month	1
Foundation Loads	
Heating load (Btuh)	2486

Site	
Soil conductivity Water table	Normal - dry sand, loam, clay Normal (23-33 ft)
Insulation Configuration	
Configuration	BCIN_1
Int wall insul (ft ² -°F/Btuh)	30.77
	
<ul style="list-style-type: none"> - concrete walls and floor - interior surface of wall insulated over full-height - any first storey construction type 	

Load Allocation

Room	Exposed perimeter (ft)	Heating load (Btuh)
MECH	17.7	360
LAUNDRY	10.3	209
WR	16.5	336
NEW REC	37.9	773
STORAGE	5.3	109
GYM	34.3	700



Loads for Multiple Orientations

Entire House

Saltzberry Design

Job:
Date: Sep 20, 2023
By:

Cert.#: (RHLG, RASD)

311 Highland Ave., Fort Erie, ON L2A 2Y1 Phone: 905.658.6452 Email: curtis@saltzberrydesign.com Web: www.saltzberrydesign.com License: #31364 #44567

Project Information

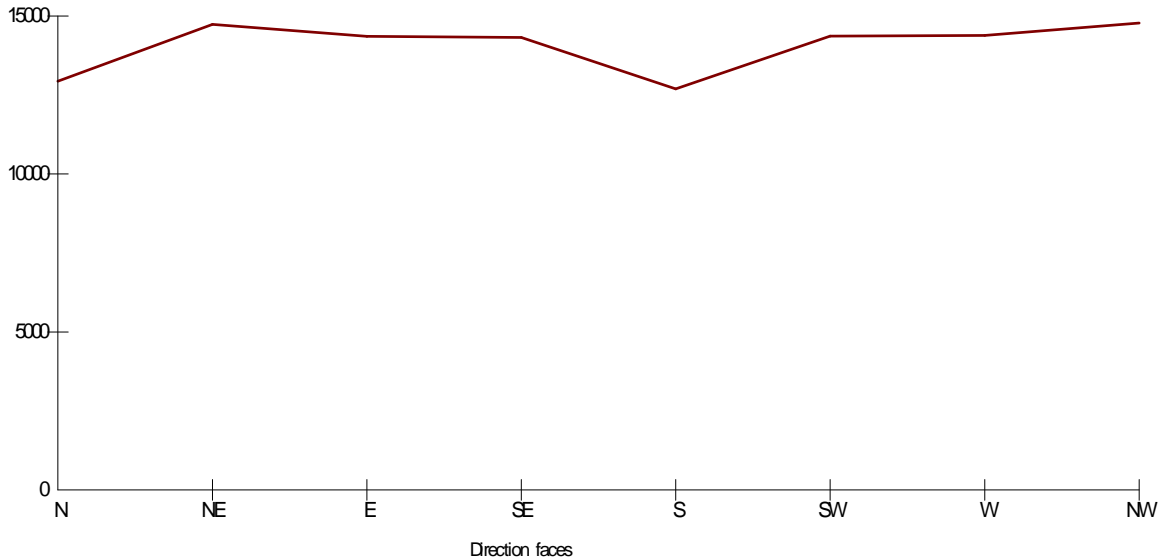
For:
12 FULTON ST, TORONTO, ON

Design Conditions

Location:			Indoor:	Heating	Cooling
Toronto (City Hall), ON, CA			Indoor temperature (°F)	72	75
Elevation: 0 ft			Design TD (°F)	72	13
Latitude: 44°N			Relative humidity (%)	50	50
			Moisture difference (gr/lb)	54.2	33.3
Outdoor:	Heating	Cooling	Infiltration:		
Dry bulb (°F)	0	88			
Daily range (°F)	-	13 (L)			
Wet bulb (°F)	-	73			
Wind speed (mph)	14.3	7.5			

	North	Northeast	East	Southeast	South	Southwest	West	Northwest
Sensible Load (Btuh)	9947	11331	11043	11013	9764	11047	11063	11365
Latent Load (Btuh)	2984	3399	3313	3304	2929	3314	3319	3409
Total Load (Btuh)	12931	14730	14356	14317	12693	14361	14382	14774
Heating AVF (cfm)	474	540	526	524	465	526	527	541
Cooling AVF (cfm)	474	540	526	524	465	526	527	541

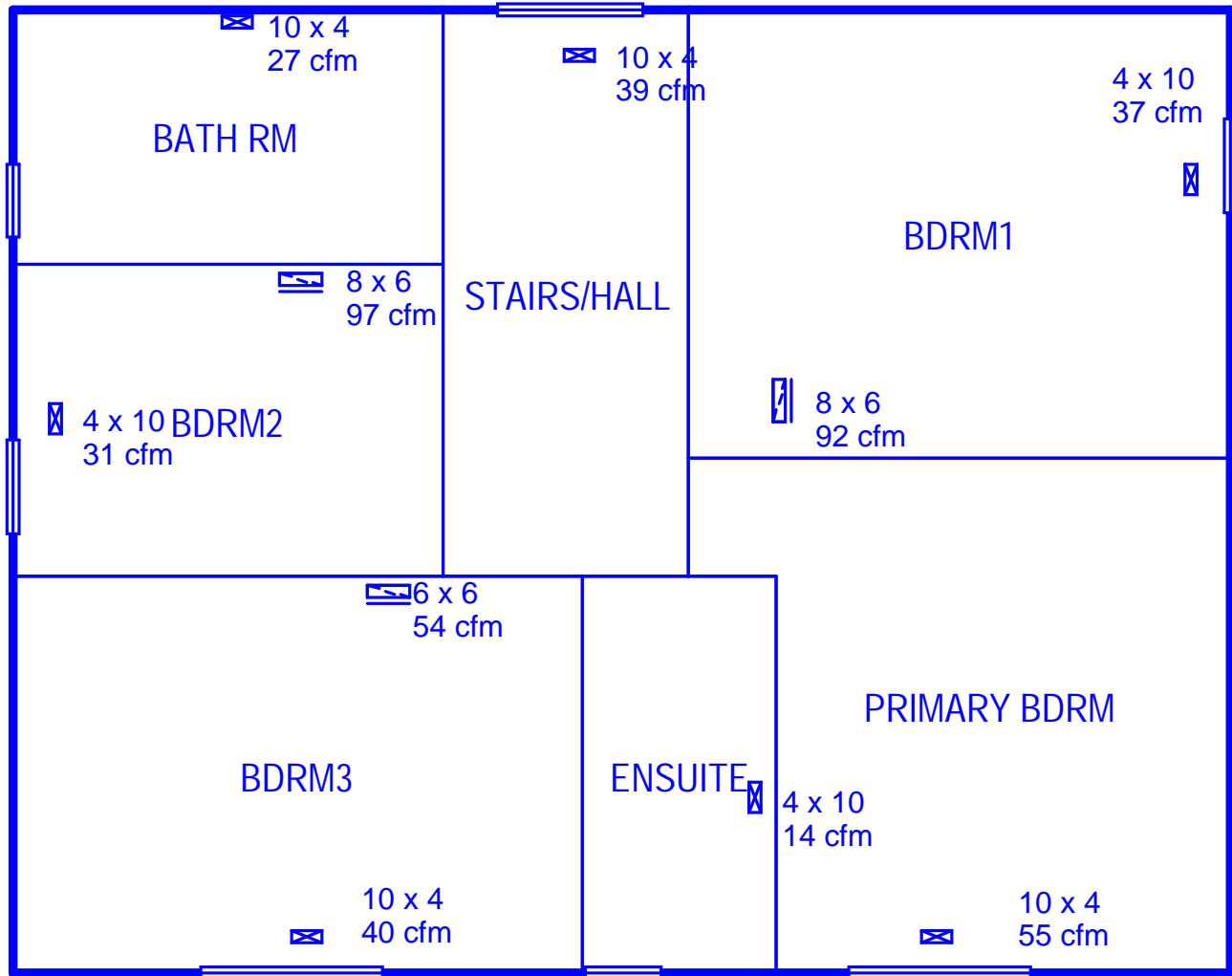
Building Orientation Cooling Load



Current Orientation: faces North
Highest Cooling Load: faces Northwest



2ND



Job #:
Performed for:

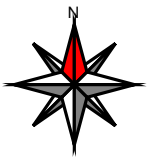
12 FULTON ST
TORONTO, ON

Saltzberry Design

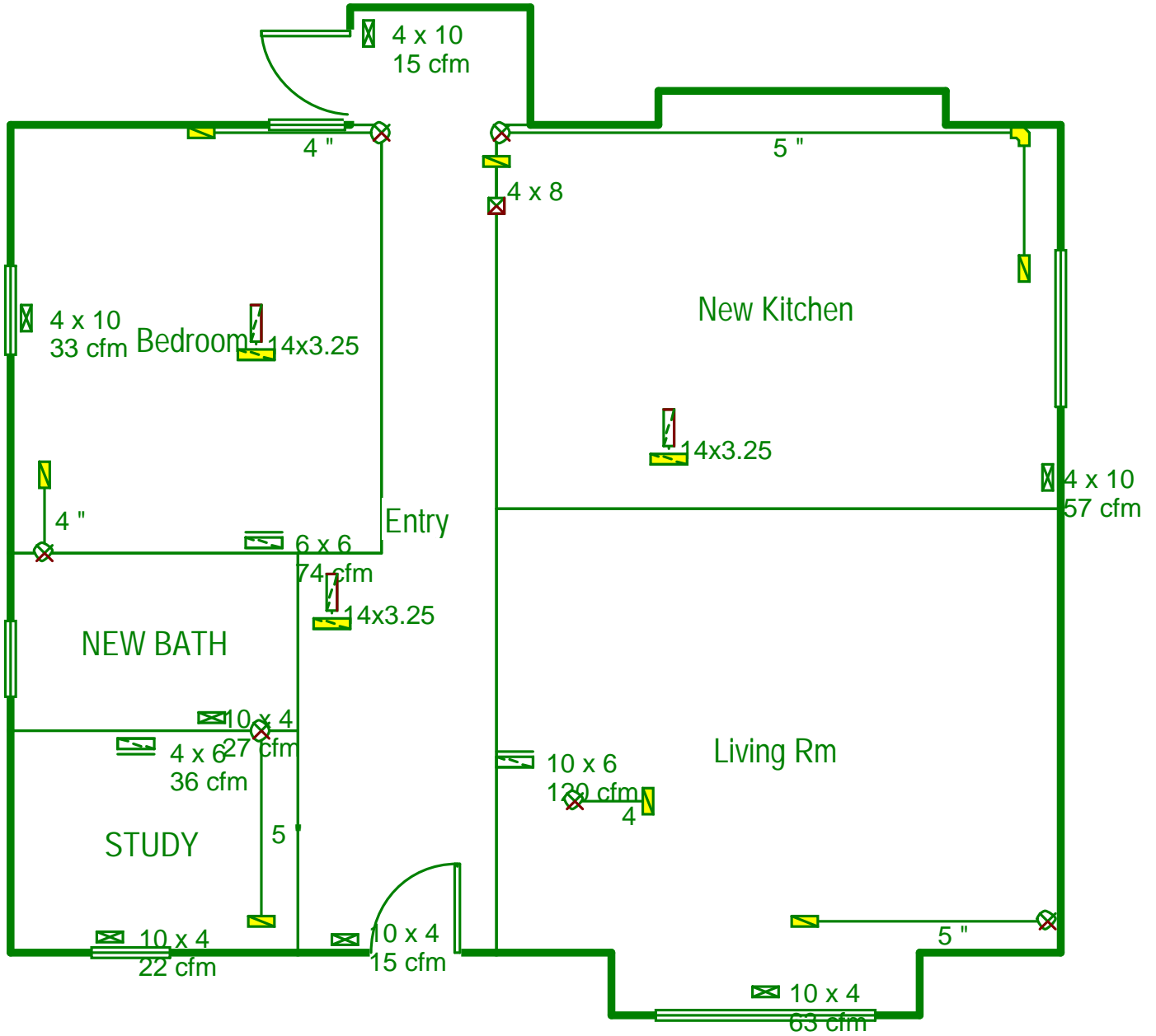
311 Highland Ave.
Fort Erie, ON L2A 2Y1
Phone: 905.658.6452
www.saltzberrydesign.com curtis@saltzberrydesign.com

Scale: 1 : 61

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First floor



Job #:
Performed for:

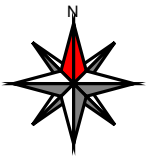
12 FULTON ST
TORONTO, ON

Saltberry Design

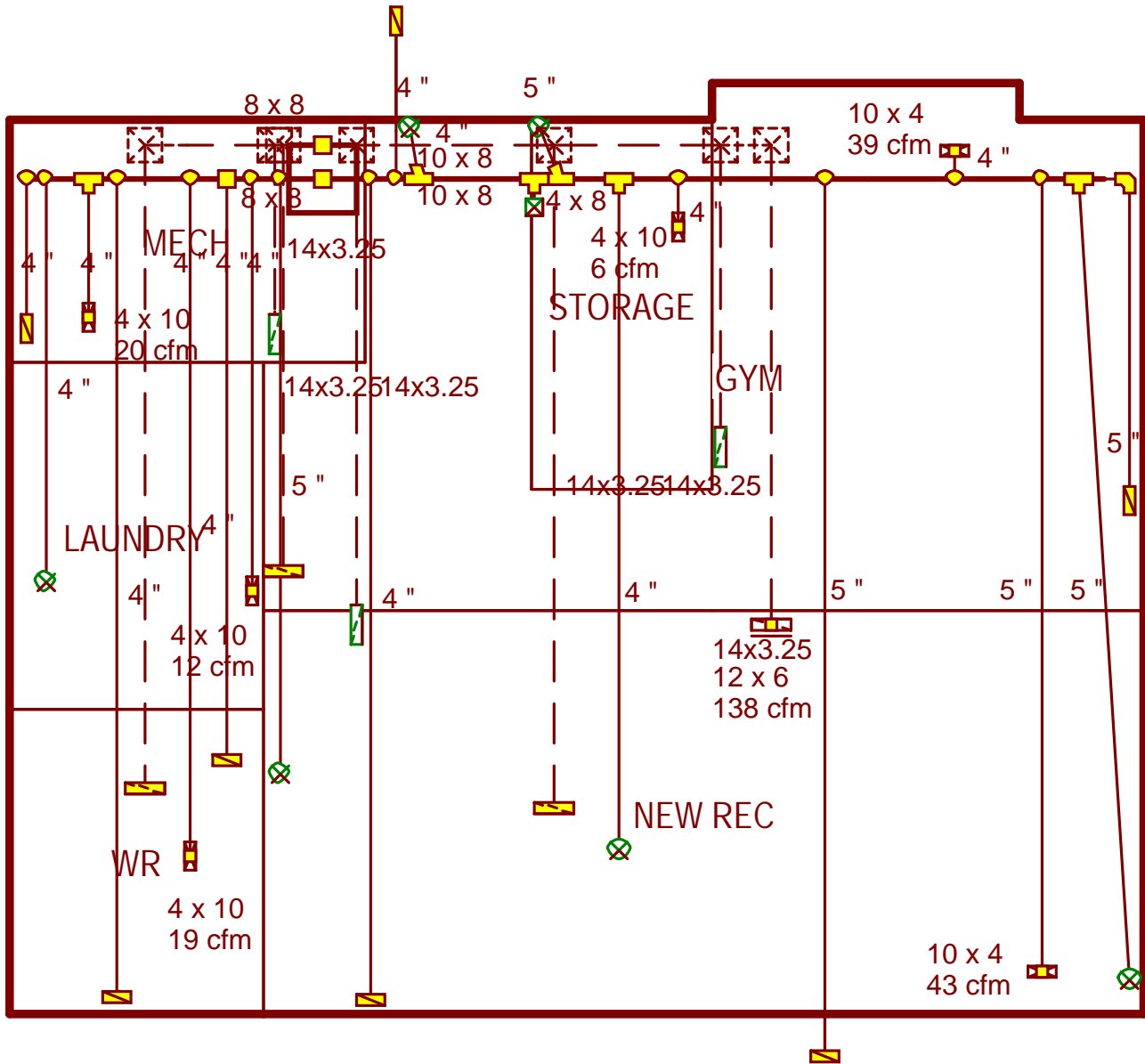
311 Highland Ave.
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Scale: 1 : 61

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