

H E A T I N G / C O O L I N G A N A L Y S I S
(CSA standard F280-1990)

v5.0

File SAMPLE

CLIENT NAME
CLIENT ADDRESS
Brantford
ON
X0X 0X0

Telephone: (res) (519) -
(bus) (519) -
(fax) (519) -

Building: Sample House
Anytown

TOTAL HEATING LOAD	65083 Btu/h 19074 W
TOTAL COOLING LOAD	32336 Btu/h 2.69 tons 9477 W

+------(detail on page 2)-----+

Based on: Sample Bungalow Heat Loss with HRV/ERV
Ceiling=R40, Walls=R20, Basement=R13 full height
Insul. steel doors, Low E argon filled windows
Cooling = NO SHADE, with shade = **2.02** tons

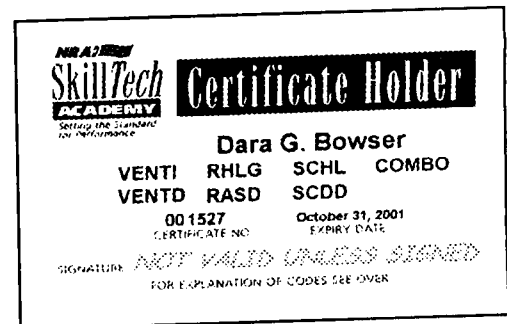
Local data for: Brantford

Area/utility: Brantford

B

From: Bowser Technical Inc.
222 Memorial Drive
Brantford
ON
N3R 5T1

Telephone: (bus) (519) 756-9116
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E & O E

Estimate by D G Bowser

File SAMPLE

ROOM	HEATING					COOLING		MECH VENT
	Btu/h	Btu/h.ft2	W	indr F	b bd	Btu/h	Btu/h.ft2	cfm
Master	5135	20	1505	71.6	1750	1934	7	20
Ensuite	2593	13	760	71.6	1000	722	4	10
Bedroom1	3873	23	1135	71.6	1250	2441	15	10
Bedroom2	3439	12	1008	71.6	1250	1679	6	10
Bathroom	2054	13	602	71.6	750	859	6	10
Kitchen	7858	17	2303	71.6	2500	8761	19	10
Dining	4101	20	1202	71.6	1250	3063	15	10
Living	3576	15	1048	71.6	1250	1847	8	10
Powder	850	31	249	71.6	300	186	7	10
Family	4385	14	1285	71.6	1500	4734	15	10
Foyer	1798	14	527	71.6	750	795	6	0
Laundry	4183	24	1226	71.6	1250	3114	18	10
Basement	21237	8	6224	71.6	6250	2201	1	20
TOTALS:	65083		19074		21050	32336		140

Total conditioned floor area: at or above grade 244.6 m2 2633 ft2
 bsmt/crawl space 260.6 m2 2805 ft2

DESIGN PARAMETERS:

Soil: temperature 50.0 conductivity L Number of occupants 4
 Winter temp: out 1.4 ins 71.6 Summer temp: out 86.0 ins 75.2 F
 Air leakage: category J 0.40 ac/h
 Mechanical ventilation: 0.18 ac/h