Permit Submission — Mechanical Package

Contents of this package, and what else the building department will ask for

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Job	SAMPLE-001
Date	November 09, 2026
For	Worked example — not a real project
Site	Barrie, Ontario

A residential building permit in Ontario is a set of documents from several disciplines. This package is the **mechanical** set: everything the HVAC designer calculates, draws and signs. The table below lists what is here; the second table lists the documents the permit also needs that come from someone else, so nothing arrives as a surprise after the application is in.

In this package

Document	Where
Load Short Form — room-by-room heating and cooling loads, design airflows	p. 2
Building Analysis — where the heat goes, by component	p. 3
Project Summary — design conditions, equipment loads, infiltration	p. 4
Right-F280 worksheets — every surface, every room	p. 5–9
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Energy Efficiency Design Summary data — SB-12 prescriptive path	p. 17
Assumptions & Sources — reviewer action required	p. 18
Designer of Record — review and seal	p. 19

Also required for the permit — provided by others

Document	Who provides it
Architectural drawings — plans, elevations, sections, details	the house designer or architect (BCIN House class, or owner-designer)
Lot grading and drainage plan	a professional engineer, where the municipality requires one
HRAI Residential Mechanical Ventilation Design Summary (the signed form)	the Designer of Record, transcribed from the Ventilation Design Data page here
EEDS — Performance path with HOT2000 energy model	a registered Energy Advisor, ONLY if the design cannot meet the prescriptive package (for example glazing over the prescriptive limit). Not needed for this house.
Septic / on-site sewage design	a licensed sewage system designer, where there is no municipal sewer
Schedule 1 — Designer Information, and the permit application form	the applicant, with the Designer of Record's BCIN

Municipal checklists differ. Check the building department's own list for the project's municipality before filing; where the letter names a document that is not in either table above, ask.

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Load Short Form

Residential Heating & Cooling Load Calculation

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Design information

Weather station (SB-1)	**Barrie, ON (SB-1)**	Outdoor design dry bulb — cooling	**84.0 °F**
Outdoor design dry bulb — heating	**-11 °F**	Indoor design dry bulb — cooling	**75.0 °F**
Indoor design dry bulb — heating	**72 °F**	Infiltration method	**CSA F280-12**
Design temperature difference	**83 °F**	Natural air change rate — heating	**0.25 ACH**

Equipment selection basis

Heating equipment output required	**30,472 Btuh**	Cooling capacity required	**13,888 Btuh**
Minimum efficiency (OBC 2024 / SB-12)	**96% AFUE minimum**	Nominal tonnage at 0.70 SHR	**1.2 ton calculated — 1.5 ton nominal is the smallest standard unit**
Heating air volume	**627 cfm**	Cooling air volume	**347 cfm**

OBC 9.33.5.1 requires installed capacity to be based on the calculated load. Select equipment whose *rated output at these conditions* meets the figures above; do not size on input rating or on rule of thumb.

Room-by-room loads and air volumes

Room	Area ft²	Htg load Btuh	Clg load Btuh	Htg AVF cfm	Clg AVF cfm
REC ROOM	624	4,764	1,110	106	71
MECHANICAL	168	1,117	184	25	12
UNFINISHED STORAGE	320	3,094	399	69	26
GREAT ROOM	440	4,387	2,223	98	143
KITCHEN / DINING	360	3,446	1,512	77	97
FOYER	120	1,162	397	26	25
MUDROOM / LAUNDRY	100	1,044	325	23	21
POWDER	40	468	133	10	9
PRIMARY BEDROOM	240	2,949	1,255	66	81
ENSUITE	100	875	340	19	22
BEDROOM 2	144	2,015	724	45	46
BEDROOM 3	132	1,942	703	43	45
MAIN BATH	72	694	242	15	16
HALL / STAIR	160	221	223	5	14
Entire house — structure	**3,020**	**28,177**	**9,770**	**627**	**347**
Ventilation — 60% recovered (SRE at −25 °C)		2,295	634		
Equipment load		**30,472**	**10,404**	**627**	**347**

Loads are calculated room by room from the assemblies and areas listed on the Construction Detail and worksheet pages. No value on this page is estimated by a language model; every figure comes from the deterministic engine named in the footer.

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Building Analysis

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Heating — where the load goes

Component	Btuh/ft²	Btuh	% of load
Walls	2.7	8,211	26.9
Glazing	2.4	7,274	23.9
Doors	0.2	697	2.3
Ceilings	0.4	1,173	3.8
Floors & foundation	0.5	1,402	4.6
Infiltration	3.1	9,420	30.9
Ventilation	0.8	2,295	7.5
Equipment load	**10.1**	**30,472**	**100.0**

Infiltration	9,420 · 30.9%
Walls	8,211 · 26.9%
Glazing	7,274 · 23.9%
Ventilation	2,295 · 7.5%
Floors & foundation	1,402 · 4.6%
Ceilings	1,173 · 3.8%
Doors	697 · 2.3%

Cooling — where the gain comes from

Component	Btuh/ft²	Btuh	% of load
Walls	0.4	1,189	11.4
Doors	0.0	106	1.0
Ceilings	0.2	537	5.2
Infiltration	0.1	415	4.0
Ventilation	0.2	634	6.1
Internal gains	0.6	1,890	18.2
Equipment sensible load	**3.4**	**10,404**	**100.0**

Internal gains	1,890 · 18.2%
Walls	1,189 · 11.4%
Ventilation	634 · 6.1%
Ceilings	537 · 5.2%
Infiltration	415 · 4.0%
Doors	106 · 1.0%

Btuh/ft² is against 3,020 ft² of conditioned floor area. Glazing commonly carries 25–45% of the heating load in Ontario housing; if the glazing line here is far outside that band, check the window schedule before accepting the total.

Engine 2024-OBC-1.0 · method per CSA F280-12 · outdoor design per Ontario MMAH SB-1 · verification status: not verified; no claim of conformity

Project Summary

Residential Heating & Cooling Load Calculation

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Job	SAMPLE-001
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Winter design conditions

Outside dry bulb	**-11 °F**
Inside dry bulb	**72 °F**
Design TD	**83 °F**

Summer design conditions

Outside dry bulb	**84.0 °F**
Inside dry bulb	**75.0 °F**
Design TD	**9.0 °F**

Heating summary

Structure	**28,177 Btuh**
Ventilation	**2,295 Btuh**
Hydronic piping allowance	**0 Btuh**
Equipment load	**30,472 Btuh**

Cooling summary

Structure sensible	**9,770 Btuh**
Ventilation sensible	**634 Btuh**
Latent	**3,484 Btuh**
Equipment total (sen + lat)	**13,888 Btuh**

Infiltration

Method	**CSA F280-12**
Air change rate used — heating	**0.25 ACH**
Equivalent air volume	**105 cfm**
Conditioned volume	**25,220 ft³**
Conditioned area	**3,020 ft²**
Basis	**class default, no depressurization test**

Mechanical ventilation (OBC 9.32)

Principal ventilation capacity required	**64 cfm**
Bedrooms	**3**
Heat recovery credit taken	**60%**
Rating basis	**SRE at −25 °C**

Why the cold rating. An HRV is rated for sensible recovery at both 0 °C and −25 °C, and the second number is always the lower one. The heating load is calculated at the SB-1 design temperature, which for most of Ontario is nearer −25 °C than 0 °C, so this package takes the credit at the cold rating. Using the 0 °C figure instead would reduce the ventilation load shown above and undersize the equipment at the condition that matters.

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Load Worksheet — surface by surface

Residential Heating & Cooling Load Calculation

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Job SAMPLE-001
Date November 09, 2026
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				REC ROOM				MECHANICAL				UNFINISHED STORAGE			
Ty	**Assembly**	**R**	**Or**	**Gross**	**Net / perim**	**Btuh/ft²**	**Load Btuh**	**Gross**	**Net / perim**	**Btuh/ft²**	**Load Btuh**	**Gross**	**Net / perim**	**Btuh/ft²**	**Load Btuh**
Room					*624 ft² · 8.0 ft ceiling · level 1*				*168 ft² · 8.0 ft ceiling · level 1*				*320 ft² · 8.0 ft ceiling · level 1*		
W	2x6 + ci, R-22 eff	22.00	-	400	376	3.8	1,419	104	104	3.8	392	288	288	3.8	1,087
G	U-0.28 double, low-e	3.57	-	24	24	23.2	558	–	–	–	–	–	–	–	–
F	foundation r20ci	–	-	–	50	–	708	–	13	–	184	–	36	–	510
Total conductive loss							*2,684*				*576*				*1,596*
Infiltration							*2,079*				*541*				*1,497*
Total room load							**4,764**				**1,117**				**3,094**

Ty: W wall · G glazing · D door · C ceiling · P partition to unconditioned space · F floor and foundation. Opaque assemblies are $Q = A_{net} \times TD / R$; glazing is $Q = A \times U \times TD$. The foundation line is a linear loss along the exposed below-grade perimeter, which is how stamped F280 packages report it — the column headed “Net / perim” carries feet of perimeter on that row, not square feet.

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Load Worksheet — surface by surface

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Job SAMPLE-001
Date November 09, 2026
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				GREAT ROOM				KITCHEN / DINING				FOYER			
Ty	**Assembly**	**R**	**Or**	**Gross**	**Net / perim**	**Btuh/ft²**	**Load Btuh**	**Gross**	**Net / perim**	**Btuh/ft²**	**Load Btuh**	**Gross**	**Net / perim**	**Btuh/ft²**	**Load Btuh**
Room					*440 ft² · 9.0 ft ceiling · level 2*				*360 ft² · 9.0 ft ceiling · level 2*				*120 ft² · 9.0 ft ceiling · level 2*		
W	2x6 + ci, R-22 eff	22.00	-	378	282	3.8	1,064	342	282	3.8	1,064	99	66	3.8	249
G	U-0.28 double, low-e	3.57	-	96	96	23.2	2,231	60	60	23.2	1,394	12	12	23.2	279
D	insulated steel	5.00	-	–	–	–	–	–	–	–	–	21	21	16.6	349
Total conductive loss							*3,295*				*2,458*				*876*
Infiltration							*1,092*				*988*				*286*
Total room load							**4,387**				**3,446**				**1,162**

Ty: W wall · G glazing · D door · C ceiling · P partition to unconditioned space · F floor and foundation. Opaque assemblies are $Q = A_{net} \times TD / R$; glazing is $Q = A \times U \times TD$. The foundation line is a linear loss along the exposed below-grade perimeter, which is how stamped F280 packages report it — the column headed “Net / perim” carries feet of perimeter on that row, not square feet.

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				MUDROOM / LAUNDRY				POWDER				PRIMARY BEDROOM			
Ty	**Assembly**	**R**	**Or**	**Gross**	**Net / perim**	**Btuh/ft²**	**Load Btuh**	**Gross**	**Net / perim**	**Btuh/ft²**	**Load Btuh**	**Gross**	**Net / perim**	**Btuh/ft²**	**Load Btuh**
Room					*100 ft² · 9.0 ft ceiling · level 2*				*40 ft² · 9.0 ft ceiling · level 2*				*240 ft² · 8.0 ft ceiling · level 3*		
W	2x6 + ci, R-22 eff	22.00	-	90	60	3.8	226	58	54	3.8	206	248	203	3.8	766
G	U-0.28 double, low-e	3.57	-	9	9	23.2	209	4	4	23.2	93	45	45	23.2	1,046
D	insulated steel	5.00	-	21	21	16.6	349	–	–	–	–	–	–	–	–
C	R-60 blown, vented attic	60.00	-	–	–	–	–	–	–	–	–	240	240	1.4	332
Total conductive loss							*784*				*299*				*2,144*
Infiltration							*260*				*169*				*806*
Total room load							**1,044**				**468**				**2,949**

Ty: W wall · G glazing · D door · C ceiling · P partition to unconditioned space · F floor and foundation. Opaque assemblies are $Q = A_{net} \times TD / R$; glazing is $Q = A \times U \times TD$. The foundation line is a linear loss along the exposed below-grade perimeter, which is how stamped F280 packages report it — the column headed “Net / perim” carries feet of perimeter on that row, not square feet.

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Load Worksheet — surface by surface

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				ENSUITE				BEDROOM 2				BEDROOM 3			
Ty	**Assembly**	**R**	**Or**	**Gross**	**Net / perim**	**Btuh/ft²**	**Load Btuh**	**Gross**	**Net / perim**	**Btuh/ft²**	**Load Btuh**	**Gross**	**Net / perim**	**Btuh/ft²**	**Load Btuh**
Room					*100 ft² · 8.0 ft ceiling · level 3*				*144 ft² · 8.0 ft ceiling · level 3*				*132 ft² · 8.0 ft ceiling · level 3*		
W	2x6 + ci, R-22 eff	22.00	-	80	71	3.8	268	192	168	3.8	634	184	160	3.8	604
G	U-0.28 double, low-e	3.57	-	9	9	23.2	209	24	24	23.2	558	24	24	23.2	558
C	R-60 blown, vented attic	60.00	-	100	100	1.4	138	144	144	1.4	199	132	132	1.4	183
Total conductive loss							*615*				*1,391*				*1,344*
Infiltration							*260*				*624*				*598*
Total room load							**875**				**2,015**				**1,942**

Ty: W wall · G glazing · D door · C ceiling · P partition to unconditioned space · F floor and foundation. Opaque assemblies are $Q = A_{net} \times TD / R$; glazing is $Q = A \times U \times TD$. The foundation line is a linear loss along the exposed below-grade perimeter, which is how stamped F280 packages report it — the column headed “Net / perim” carries feet of perimeter on that row, not square feet.

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Load Worksheet — surface by surface

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Job SAMPLE-001
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				MAIN BATH				HALL / STAIR			
Ty	**Assembly**	**R**	**Or**	**Gross**	**Net / perim**	**Btuh/ft²**	**Load Btuh**	**Gross**	**Net / perim**	**Btuh/ft²**	**Load Btuh**
Room						*72 ft² · 8.0 ft ceiling · level 3*					*160 ft² · 8.0 ft ceiling · level 3*
W	2x6 + ci, R-22 eff	22.00	-	68	62	3.8	234	–	–	–	–
G	U-0.28 double, low-e	3.57	-	6	6	23.2	139	–	–	–	–
C	R-60 blown, vented attic	60.00	-	72	72	1.4	100	160	160	1.4	221
Total conductive loss							*473*				*221*
Infiltration							*221*				*0*
Total room load							**694**				**221**

Ty: W wall · G glazing · D door · C ceiling · P partition to unconditioned space · F floor and foundation. Opaque assemblies are $Q = A_{net} \times TD / R$; glazing is $Q = A \times U \times TD$. The foundation line is a linear loss along the exposed below-grade perimeter, which is how stamped F280 packages report it — the column headed “Net / perim” carries feet of perimeter on that row, not square feet.

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Design Notations

Residential Heating & Cooling Load Calculation

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Job	SAMPLE-001
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Equipment and ventilation schedule

Item	Specification	Basis
Heating equipment	two-stage condensing gas furnace, output to suit, ECM blower	output ≥ 30,472 Btuh
Blower rate — heating	627 cfm	45 °F rise at 627 cfm
Cooling equipment	split system, nominal 1.2 ton — select the next standard size at or above the total gain, not larger	total ≥ 13,888 Btuh
Blower rate — cooling	347 cfm	400 cfm/ton nominal
HRV / ERV	HVI-rated HRV, SRE reported at both 0 and −25 °C	principal ventilation 64 cfm
Bathroom fans	minimum 50 cfm each	quantity 3
Range hood	minimum 100 cfm	OBC 9.32.3

Installation notes

1. All duct work to be installed to the Ontario Building Code and good engineering practice.
2. All equipment to be installed to the manufacturer's published requirements.
3. These drawings are to be read together with the load calculations and the ventilation summary.
4. All duct seams to be sealed as required by code.
5. All supply branches to be rigid pipe and to include a balancing damper.
6. All branch and wye fittings on the supply trunk to include balancing or splitter dampers.
7. Supply registers are floor type unless noted otherwise by a flow arrow.
8. Above-grade return grilles high wall where possible; below-grade returns low wall where possible.
9. Return branches are panned joist or stud spaces unless noted otherwise.
10. All duct in unconditioned space to be insulated and sealed to code.
11. Listed duct sizes are minimum requirements.
12. Filter size to be chosen from the furnace drop size so the filter does not restrict airflow.
13. Finished or walkout basements to be supplied with low wall registers in habitable rooms unless supplementary heat is provided.
14. Where solid-fuel appliances are present, a depressurization test is required to determine whether make-up air is needed; −5 Pa is the limit.
15. Any change made to this design at installation without an updated drawing transfers responsibility for system performance to the installing contractor.

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Engine 2024-OBC-1.0 · method per CSA F280-12 · outdoor design per Ontario MMAH SB-1 · verification status: not verified; no claim of conformity

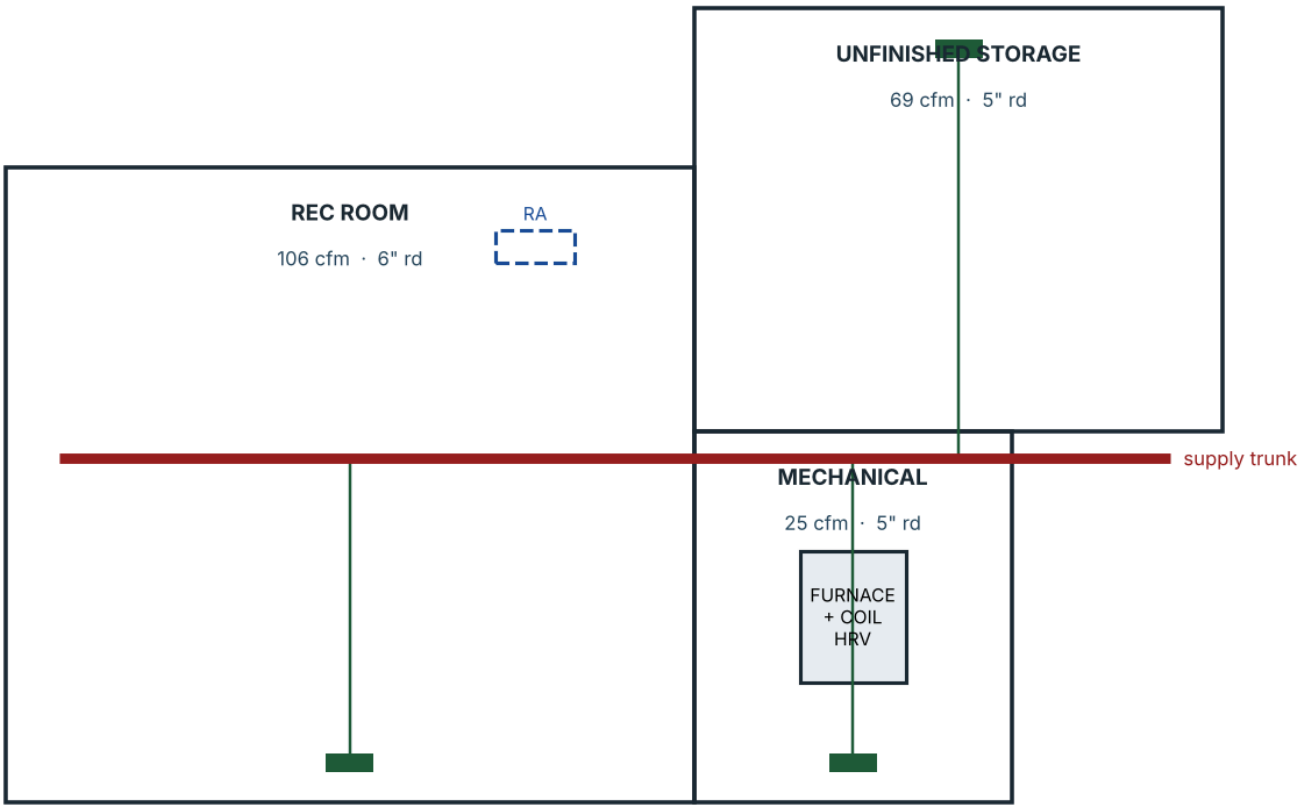
HVAC Floor Plan — Basement (Level 1)

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HVAC Floor Plan — BASEMENT (level 1)



SCHEMATIC for the worked example — not to scale. On a client job the trunk, branches, registers and returns are drawn on the architect's floor plans.

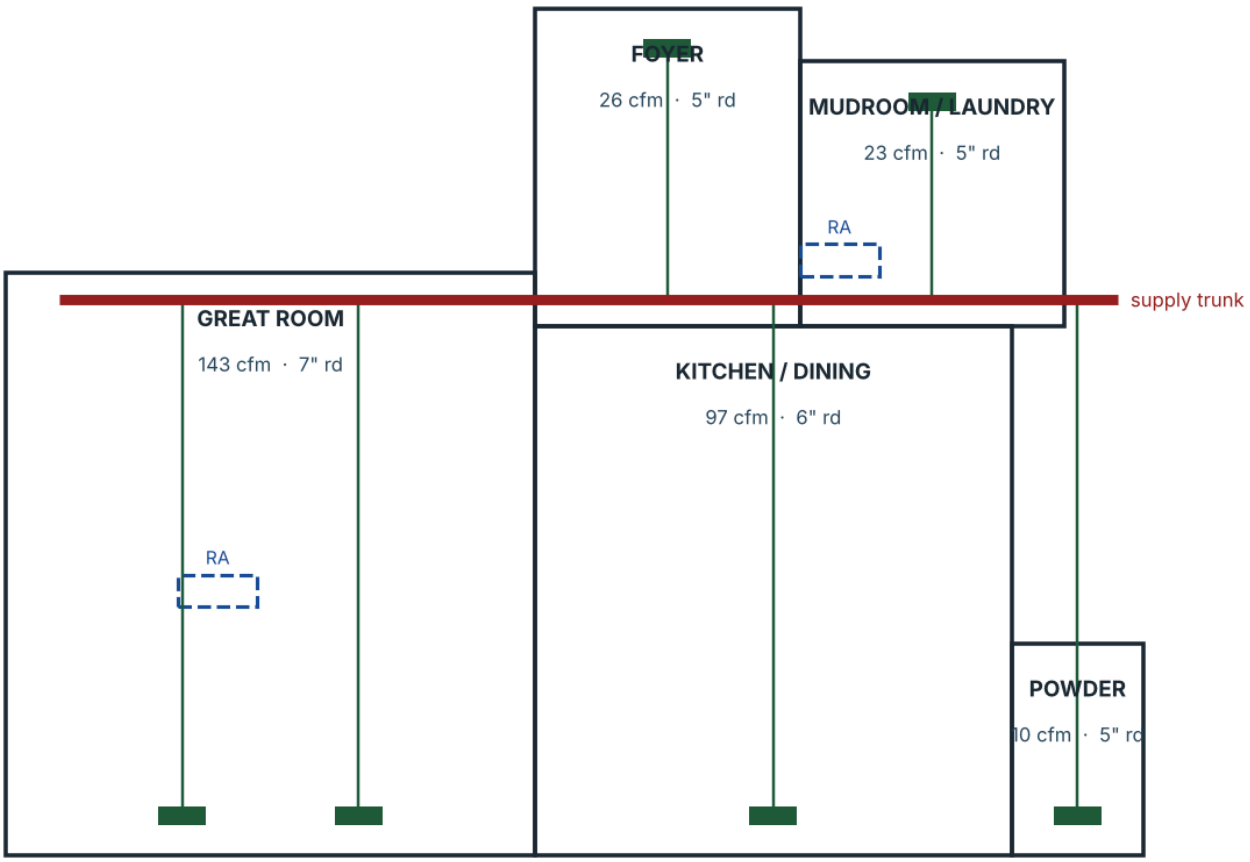
HVAC Floor Plan — Main Floor (Level 2)

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HVAC Floor Plan — MAIN FLOOR (level 2)



SCHEMATIC for the worked example — not to scale. On a client job the trunk, branches, registers and returns are drawn on the architect's floor plans.

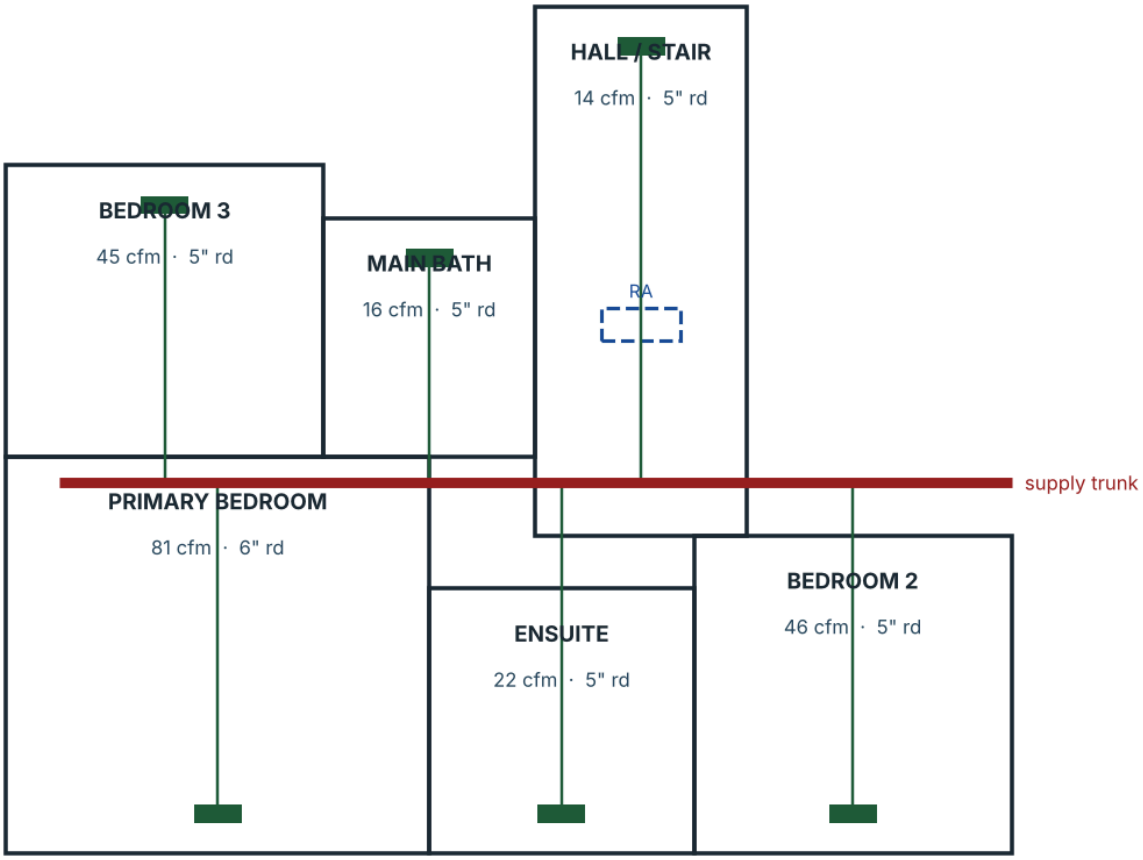
HVAC Floor Plan — Second Floor (Level 3)

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HVAC Floor Plan — SECOND FLOOR (level 3)



SCHEMATIC for the worked example — not to scale. On a client job the trunk, branches, registers and returns are drawn on the architect's floor plans.

Duct System Summary

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Job	SAMPLE-001
Date	November 09, 2026
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Site	Barrie, Ontario

Static pressure budget

Item	Heating	Cooling
External static pressure available at the air handler	0.5"	0.5"
Coil	0.2"	0.2"
Filter	0.1"	0.1"
Supply ductwork	0.1"	0.1"
Return ductwork	0.1"	0.1"
Design friction rate		**0.09" per 100 ft**

Air volumes

Supply trunk	**22 x 6**	Return trunk	**22 x 6**
Trunk velocity	**684 fpm**	Return openings	**4**

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Engine 2024-OBC-1.0 · method per CSA F280-12 · outdoor design per Ontario MMAH SB-1 · verification status: not verified; no claim of conformity

Supply Branch Detail

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Room served	Htg cfm	Clg cfm	Design cfm	Branch	Register(s)
REC ROOM	106	71	106	6" rd	1 x 10x4 @ 106 cfm
MECHANICAL	25	12	25	5" rd	1 x 10x4 @ 25 cfm
UNFINISHED STORAGE	69	26	69	5" rd	1 x 10x4 @ 69 cfm
GREAT ROOM	98	143	143	7" rd	2 x 10x4 @ 72 cfm
KITCHEN / DINING	77	97	97	6" rd	1 x 10x4 @ 97 cfm
FOYER	26	25	26	5" rd	1 x 10x4 @ 26 cfm
MUDROOM / LAUNDRY	23	21	23	5" rd	1 x 10x4 @ 23 cfm
POWDER	10	9	10	5" rd	1 x 10x4 @ 10 cfm
PRIMARY BEDROOM	66	81	81	6" rd	1 x 10x4 @ 81 cfm
ENSUITE	19	22	22	5" rd	1 x 10x4 @ 22 cfm
BEDROOM 2	45	46	46	5" rd	1 x 10x4 @ 46 cfm
BEDROOM 3	43	45	45	5" rd	1 x 10x4 @ 45 cfm
MAIN BATH	15	16	16	5" rd	1 x 10x4 @ 16 cfm
HALL / STAIR	5	14	14	5" rd	1 x 10x4 @ 14 cfm
Equipment airflow			**627**	**supply 22 x 6 · return 22 x 6**	

Round branches sized at or below 600 fpm, rectangular trunks at or below 700 fpm. Run ducts in joist spaces where possible and site-verify joist direction before fabrication.

DRAFT — PENDING REVIEW

Ventilation Design Data — OBC 2024, 9.32

Every value the HRAI Residential Mechanical Ventilation Design Summary asks for, in that form's section order

SAMPLE-001
Barrie, Ontario

1–3 Location, builder, designer

Municipality	**Barrie**
Civic address	**Barrie, Ontario**
Designer, HRAI number, BCIN	**to be completed by the Designer of Record**

4–6 Appliances, heating and distribution

Combustion appliances	**direct vent**
CO alarm required	**yes**
Heating system	**forced air · natural gas**
Distribution	**furnace with central cooling coil**

7–8 Principal ventilation capacity

Bedrooms	**3**
Required principal ventilation capacity	**30 L/s = 64 cfm**
System design option	**HRV/ERV with simplified exhaust**
Supply air required	**no**
Mixed air temperature calculation required	**no**

9 Principal ventilation fan

Unit	**HVI-rated HRV, 64 cfm continuous**
Design airflow, low / high	**64 / 130 cfm**
Sensible recovery at 0 °C	**75%**
Sensible recovery at −25 °C	**60%**
Rating used in the heat loss calculation	**60% — the −25 °C figure**

10 Other ventilation fans

Location	Design airflow	Duty
Bathroom / water closet	50 cfm minimum	intermittent
Bathroom / water closet	50 cfm minimum	intermittent
Bathroom / water closet	50 cfm minimum	intermittent
Kitchen range hood	100 cfm minimum	intermittent

How to file this. The form a building department expects here is HRAI's own *Residential Mechanical Ventilation Design Summary — OBC-2024 9.32*, which is a copyrighted HRAI document and is not reproduced in this package. Transcribe the values above onto that form, or type them into HRAI's fillable PDF, and sign section 11. Every number above comes from the calculation in this package; nothing on this sheet needs recalculating.

Energy Efficiency Design Summary — data sheet

SB-12 prescriptive compliance (Subsection 3.1.1)

SAMPLE-001
Barrie, Ontario

A Project information

Address	**Barrie, Ontario**
Municipality	**Barrie**

B Compliance option

Path	**SB-12 prescriptive, Subsection 3.1.1**

C Design conditions

Climatic zone (SB-1)	**Zone 1, under 5000 degree days**
Space-heating fuel	**natural gas**
Heating equipment efficiency	**96% AFUE**
Referenced package	**Package A1**

D Building specifications against the referenced package

Component	Package minimum (RSI / U)	Imperial equivalent	As designed
Ceiling with attic space	RSI 10.56	R-60	R-60 blown cellulose, vented attic
Ceiling without attic space	RSI 5.46	R-31	none in this design
Exposed floor	RSI 5.46	R-31	none in this design
Walls above grade	RSI 3.87	R-22 nominal	2x6 R-19 batt + R-5 continuous = R-22 effective
Basement walls	RSI 3.52	R-20 continuous	R-20 continuous insulation, full height
Slab, heated or 600 mm below grade	RSI 1.76	R-10	unheated slab below 600 mm — not required
Windows and sliding glass doors	U 1.60 W/(m²·K)	≈ U-0.28	U-0.28 double glazed, low-e, argon
Skylights	U 2.40 W/(m²·K)	≈ U-0.42	none
Space-heating equipment	96% AFUE	condensing	96% AFUE condensing furnace
HRV sensible recovery at 0 °C	75% SRE		75% SRE (60% at −25 °C)

Where the performance path would take you instead. If the design cannot meet every line above, SB-12 Subsection 3.1.2 allows a performance comparison, but that needs an annual energy model in NRCan HOT2000 prepared by a registered Energy Advisor and filed with the EEDS. That is a separate engagement and is not produced here; this package covers the prescriptive route only. Confirm the package and the figures against the current Supplementary Standard SB-12 before filing — packages are amended.

Assumptions & Sources — reviewer action required

Residential Heating & Cooling Load Calculation

OntarioHeatLoss.ca
Residential HVAC design documents
harveyjuric@gmail.com · 705-533-1633

Job SAMPLE-001
Date November 09, 2026
For Worked example — not a real project
Site Barrie, Ontario

Every value below was either read from the drawings or assumed. The Designer of Record must confirm each one before sealing. Anything marked Low confidence should be checked against the drawings directly.

Item	How it was obtained	Confidence
All assemblies	SB-12 Zone 1 Package A1 prescriptive minimums — this is a worked example, not a measured building	n/a — sample
Natural air change rate 0.25 ACH heating, 0.10 cooling	class defaults for new construction; no depressurization test	Medium
Cooling design 84 / 75 °F, 40 grains	SB-1 July 2.5% for Barrie, rounded	Medium
Internal gains 1,200 Btuh + 3 occupants	F280 default allowances	Medium
Below-grade coefficient	linear perimeter method, R-20ci foundation	Medium
Heat-recovery credit at the −25 °C rating	cold-weather SRE, because the load is computed at the SB-1 design temperature	High
Duct routing	schematic plans; joist direction to be site-verified	Low

Software verification status. The calculation engine named in the footer follows the CSA F280-12 procedure but has **not** completed the Clause 8 software verification administered by HVAC Designers of Canada. Nothing in this package is a claim of conformity to F280-12, and the package is a draft until a qualified designer has reviewed and sealed it.

DRAFT — PENDING REVIEW

Designer of Record — Review & Seal

This package is not valid for permit until this page is completed

OntarioHeatLoss.ca
Residential HVAC design documents
harveyjuric@gmail.com · 705-533-1633

Job	SAMPLE-001
Date	November 09, 2026
For	Worked example — not a real project
Site	Barrie, Ontario

The undersigned has reviewed the calculations, assumptions and drawings in this package, accepts them as their own design, and takes responsibility for the design work under Division C 3.2.4 of the Ontario Building Code.

Field	Entry
Name of Designer of Record	
Firm	
BCIN / qualification	
Date of review	
Signature	

Seal

Where the applicant is the owner designing a house on their own lot, OBC Division C 3.2.5.1.(3)(b)(i) exempts the owner from the designer qualification requirements. That exemption applies to *who may design*; it does not lower the standard the calculations must meet, and this page should still be completed by whoever takes responsibility for the design.