

Municipality of Mississippi Mills

3131 Old Perth Road, PO Box 400, Almonte ON, K0A 1A0 613-256-2064 ext. 260



Application for a Permit to Construct, Change of Use, Demolish This form is authorized under subsection 8(1.1) of the Building Code Act, 1992

	Fo	r use by Prin	cipal Authority		unit ania socio de revisio entre que efectivo de invienti entre de describación de describación de contra en e	And Annual State Control and Annual Annual Annual Control and Annual Annual Annual Annual Annual Annual Annual
Application/File Number: A22-1206			Permit nun	nber (if diffe	rent): 22-258	
Date received: July 21, 2022			Roll/Tax N	umber:		
Application submitted to: THE CC	RPOF	RATION	OF THE M	UNICIPA	LITY OF MISSISSIF	PPI MILLS
A. Your Project location and informa	tion:					
Building project civic address number & stree 344 Antler Court	et name				Lot/con. 61	Unit/Apt.
Municipality Mississippi Mills		Postal (Code	Plan num 27M-47	ber/other description	
Will this project require an additional driv Yes ⊠No	eway/		Is this a	vacant lot/	✓Yes □ No	
Area of work (ft²) - Existing N/A				work (ft²) - ft. + 1540 s	New sq.ft developed baseme	nt
Height of Building (ft.) 31'2"	Lengt 67'1"				Width (ft.) 51'6"	
equipme	nt, mate	rials, and de	sign services	where appli	sed work including value o cable. This information is r nere there is a set fee.	f land, work, labour, equired to be sent to
B. Purpose of application						
New Construction	Renov	ate/Alter/R	epair 🗆 De	molition	☐ Change of Use	
Current use of Building Pro	posed u	use of Buildin	ng		uilding: means , residentia , industrial, institutional, etc	
Description of proposed work Two storey single family home				· · · ·		
Three car attached garage		ii .				
C. Applicant is: ☐ Owner or ✓An aut	horized	agent of o	wner (Author	ized Agen	t Form Required)	
Last name Buck		First name Catherine			ration or partnership (If app Phoenix Homes	olicable)
Street address 18 Bentley Avenue		Approx for the ad		The size		Unit/Apt. # A
Municipality Postal co Nepean K2E 6T8		Province ON	E-mail (All recbuck@pho		ent to owner's email) s.ca	
Telephone number (613) 723-9227 ext. 191	Cell () 200	10 10 May 200 10 10 10 10 10 10 10 10 10 10 10 10 1	Section Section 2015	Other ()	AND THE WATER WATER TO
D. Owner (if different from applicant)						
Last name		First name			ration or partnership (If app Phoenix Homes	olicable)
Street address 18 Bentley Avenue		nsi seren				Unit/Apt. # A
Municipality Postal co		Province ON	E-mail (All recbuck@pho	•	ent to owner's email)	
Telephone number (613) 723-9227	Cell ()			Other ()	

E. Builder (optional)					S COM	עש
Last name	First name	Cor	rporation or partnershi	p (if applicable)	<i>Vild</i> ii	190
			Maria Antheria Maria		2022-0	
Street address				Un	it/Apt.#	
Municipality	Postal code	Province	E-mail (All reports	are sent to owne	er's ema	il)
Telephone number	Cell ()		Other ()			
F. Tarion Warranty Corporation (Ontario	o New Home Warrar	nty Program	n) (Applicable to all ne	w homes - report	ed to	
i. Is proposed construction for a new hon Plan Act? If no, go to section G.				✓ Yes		No
ii. Is registration required under the Ontar	io New Home Warrantie	es Plan Act?		✓ Yes		No
iii. If yes to (ii) provide registration number	(s): <u>35002</u>					
G. Required Schedules						
i) Attach Schedule 1 for each individual who rev						
activities. ii) Attach Schedule 2 where application	n is to construct on-site	, install or rep	oair a			
H. Completeness and compliance with	applicable law – Yes	s is default	answer.			
 This application meets all the requirements o Building Code (the application is made in the applicable fields have been completed on the schedules are submitted). 	correct form and by the	e owner or au	uthorized agent, all	✓ Yes		No
All payments will be made of all fees that are rec regulation made under clause 7(1)(c) of the E the Chief Building Official. The minimum fee	Building Code Act, 1992	to be paid w	when called for by	✓ Yes		No
ii) This application is accompanied by the plans resolution or regulation made under clause 7	and specifications pres	cribed by the	e applicable by-law,	✓ Yes		No
iii) This application is accompanied by the inform law, resolution or regulation made under clau the chief building official to determine whether contravene any applicable law.	use 7(1)(b) of the Buildir	ng Code Act,	1992 which enable	✓ Yes		No
iv) This proposed building, construction or demo	olition will not contraven	e any applica	able law.	✓ Yes		No
I. Declaration of applicant						
Catherine Buck				declare	that:	
(Owner or Agent Print Na	me)		From Effect Source of the F			
1. The information contained in this applicant attached documentation is true to the best of the owner is a corporation or partners. THE INTERIOR OF THE INT	est of my knowledge. ship, I have the authority	y to bind the				
Date	✓ Signature ·	of applicant				

Qlans Review

Municipality of Mississippi Mills

Personal information contained in this form and schedules is collected under the authority of subsection 8(1.1) of the *Building Code Act, 1992*, and will be used in the administration and enforcement of the *Building Code Act, 1992*. Questions about the collection of personal information may be addressed to: a) the Chief Building Official of the municipality or upper-tier municipality to which this application is being made, or, b) the inspector having the powers and duties of a chief building official in relation to sewage systems or plumbing for an upper-tier municipality, board of health or conservation authority to whom this application is made, or, c) Director, Building and Development Branch, Ministry of Municipal Affairs and Housing 777 Bay St., 2nd Floor. Toronto, M5G 2E5 (416) 585-6666.

Schedule 1: Designer Infor

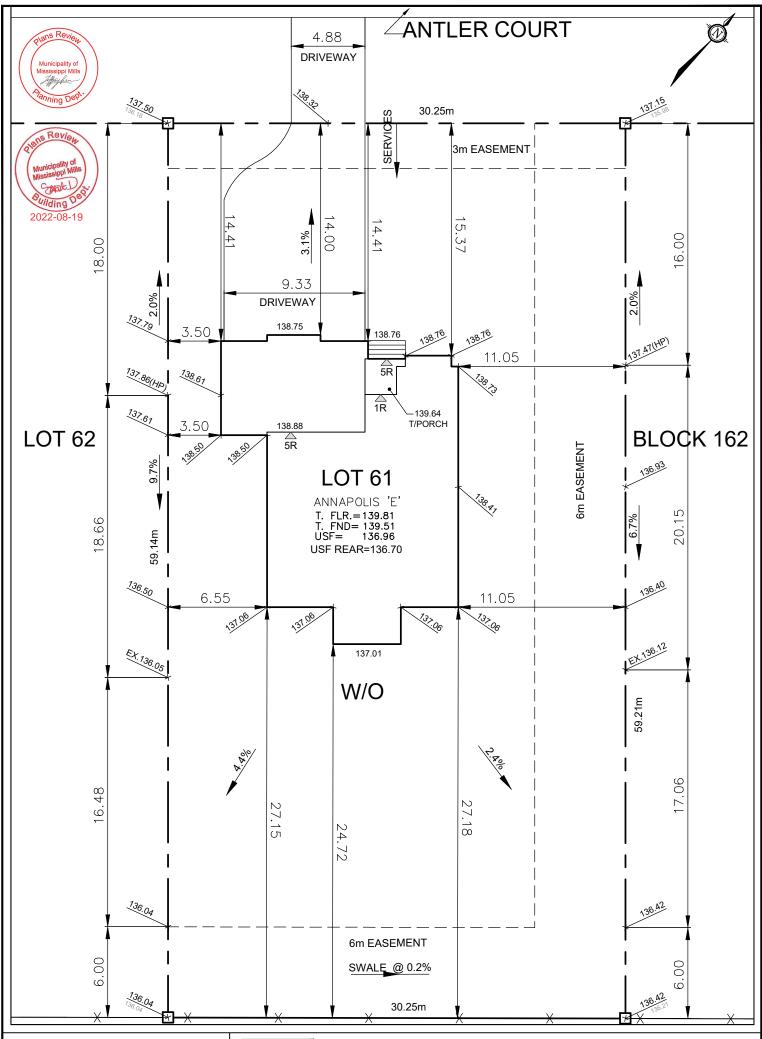
Use one form for each individual who reviews and takes responsibility for design activities with respect to the project.

Municipality of Mississippi Mills Wilding Dec

A. Pro	oject Location Information				
The same of the last of the la	civic address number, street name:	The second secon	A STATE OF THE STA	and the second property of the content of the second property of the content of t	Unit/Apt. Number
_	tler Court				
Municip		Postal code	Plan numb 27M-47	er/ other description (if a	pplicable)
B Inc	dividual who reviews and takes respo	nsibility for design	n activitie	S	
		,	Firm: DC	R Phoenix Homes	
	Catherine Buck		DCF	Tribelix ribiles	T
	tley Avenue				Unit/Apt. Number A
Municip	^{ality} Nepean	Postal code K2E 6T8	Province ON	E-mail cbuck@phoenixhome	es.ca
Telepho	one number 723-9227 ext. 191	Fax number ()		Cell number	
C. Des	sign activities undertaken by individual id	entified in Section	B. [Buildin	g Code Table 3.5.2.1. of	f Division C]
V	House	HVAC – House		☐ Building Str	
	Small Buildings	Building Services		☐ Plumbing –	
	Large Buildings	Detection, Lighting	and Power		All Buildings
	Complex Buildings	Fire Protection		•	age Systems
Descrip	tion of designer's work	111011000000			
	al design review				
	claration of Designer				
I_Ca	atherine Buck		_ declare	that (choose one as	appropriate):
Di ¹	(print name) I have reviewed and take responsibility for vision of the Building Code. I am qualified, and the				
1	dividual BCIN: Firm BCIN:				
inc	dividual BCIN FIIII BCIN				
	I review and take responsibility for the dender subsection 3.2.5.of Division C, of the Budividual BCIN:46674	esign and am qualific ilding Code.	ed in the app	oropriate category as an "	other designer"
Ba	asis for exemption from registration:Des	signer for Tarion B	uilder		
	The design work is exempt from the regis	stration and qualifica	ation require	ments of the Building Co	de.
Ba	asis for exemption from registration and qual	ification:		or \square The Applicar	it is the OWNER.
1. 2	certify that: The information contained in this schedule I have submitted this application with the k The plans have the project location, date ar	nowledge and conse	ent of the firn	n.	ın.
# T - 100 T	Jul 20, 2022 Signature	of Designer or Owner		- 4-5-6	
A 100 TO		of Designer or Owner			

NOTE:

- For the purposes of this form, "individual" means the "person" referred to in Clause 3.2.4.7(1) (c). of Division C, Article 3.2.5.1. of Division C, and all other persons who are exempt from qualification under Subsections 3.2.4. and 3.2.5. of Division C.
- Schedule 1 is not required to be completed by a holder of a license, temporary license, or a certificate of practice, issued by the Ontario Association of Architects. Schedule 1 is also not required to be completed by a holder of a license to practice, a limited license to practice, or a certificate of authorization, issued by the Association of Professional Engineers of Ontario



Owner/Applicant

DCR/PHOENIX HOMES

723-9227 Telephone # 27M- 47 Plan #_ Project name: WHITE TAIL RIDGE Civic Address: 344 ANTLER COUR

House model: ANNAPOLIS 'E'

Bldg. Ht		\mathbf{m}
Lot coverage	13.8	%
Scale	1:500	
Sod Area	1599	$-m^2$
Asphalt Area	156	m^2
aspriall area	100	m

CHECKED/APPROVED BY: T.L.MAK ENG. XXX



SITE/GRADING PLAN WHITE TAIL RIDGE PH.II 61

INDIVIDUAL LOT GRADING REVIEW SUMMARY FOR SITED HOUSE AS COMPARED WITH OVERALL SUBDIVISION PLAN

NOTE: THIS PLAN IS NOT A SURVEY PLAN OR SUBDIVISION PLAN WITHIN THE MEANING OF PLANNING ACT THIS PLAN IS FOR REFERENCE ONLY AND IS PRELIMINARY IN DIMENSIONS SHOWN ARE APPROXIMATE. E, 0&E



Municipality of Mississippi Mills Planning & Building Department

14 Bridge Street, PO Box 400 Almonte, ON K0A 1A0 Phone: 613-256-2064 | Fax: 613-256-4887 www.mississippimills.ca

July 28, 2022

Sandy Pollock DCR Phoenix Homes 18A Bentley Ave Ottawa, ON K2E 6T8

Sent via email to: [spollock@phoenixhomes.ca]

Re: Zoning Approval Letter

344 Antler Court

A22-1206

Dear Mr. Pollock,

The site plan for your building permit application for the above noted address has been reviewed for compliance with Zoning By-law #11-83.

A stamped copy of your approved site plan has been attached for your reference. Please note that the approved drawing signifies that your application has been reviewed for **zoning compliance only**; it is not a building permit.

Your building permit application can now move forward in the building permit review process. A Building Inspector or third-party reviewer, RSM Building Consultants, will review your application and drawings shortly. Should you have any questions or concerns regarding your building permit application process, please contact Jennifer Russell, Building and Planning Clerk at building@mississippimills.ca.

If you have any questions or concerns regarding this letter or your approved site plan, please feel free to contact me at 613-256-2064 Ext. 502 or at jren@mississippimills.ca.

Sincerely,

Jeffrey Ren, Planner

Municipality of Mississippi Mills

Encl: Planning Approved Site Plan



210 Prescott Street P.O. Box 189 Kemptville, Ontario K0G 1J0 Civil • Geotechnical • Structural • Environmental •

Hydrogeology •

(613) 860-0923

FAX: (613) 258-0475

July 21, 2022

Kollaard File # 220020 - LOT61

Phoenix Homes 18A Bentley Avenue Ottawa, Ontario K2E 6T8

Attn: Catherine Buck Tel: 613-723-9227 x 191

Email: CBuck@phoenixhomes.ca



Re: Proposed Single Family Dwelling, 344 Antler Court, Lot # 61 White Tail Ridge, Arnprior, Kollaard Associates File # 220020

With regard to structural issues only, Kollaard Associates has reviewed the following drawings:

- Phoenix Homes, Lot # 61, White Tail Ridge, Pages # 1, 2, 3E to 7E, 8EF & 9E, Dated July 21, 2022
- Grandor, Roof Truss Layout, Annapolis 'E', WTR3-61, Dated 07/06/2022
- Grandor, 2nd Floor Joist Layout, WTR3-61 Annapolis E, Dated 07/08/2022
- Grandor, 1st Floor Joist Layout, WTR3-61 Annapolis E. Dated 07/08/2022

Kollaard Associates offers the following comments:

Second Floor Plan - Pages # 4E:

- 1. It is the opinion of Kollaard Associates that the proposed lintels and supporting posts shown on Phoenix Homes Pages # 4E are adequate.
- 2. The proposed tall wall noted on Phoenix Homes Pages # 1 is adequate.
- Posts supporting girders may consist of built up 2x6 posts as indicated on Phoenix Homes Pages #
 4E and are laterally supported by plywood or OSB sheathing (i.e. posts form part of sheathed exterior
 walls unless noted).
- 4. Truss design is by others.

Ground Floor Plan - Pages # 3:

- 5. It is the opinion of Kollaard Associates that the proposed lintels, beams and supporting posts shown on Phoenix Homes Pages # 3 are adequate.
- 6. The proposed connection of the HSS post in the garage to the supported steel beam and to the concrete pier noted on Phoenix Homes Pages # 3 are adequate.





- Ramset a 2x6 to the top flange of all steel beams to attach the above framing, floor joists and flush LVL beams.
- 8. Truss design is by others.
- Posts supporting girders may consist of built up 2x6 posts as indicated on Phoenix Homes Pages # 3E and are laterally supported by plywood or OSB sheathing (i.e. posts form part of sheathed exterior walls unless noted).
- 10. Floor joist design and flush LVL beams within the floor structure are by the manufacturer.

Basement Plan - Pages # 2:

- 11. The front porch slab reinforcement described on Phoenix Homes Pages # 1 is adequate.
- 12. The stepped down foundation walls with framed knee walls above are considered laterally unsupported where the grade difference between the basement slab and the exterior grade exceeds 3'-11". The proposed foundation reinforcement shown on Phoenix Homes Pages # 7E is adequate to withstand the lateral earth pressures.
- 13. The remaining proposed foundation walls conform to 2012 OBC Table 9.15.4.2.A.
- 14. The proposed concrete pier and pad footing in the garage shown on Phoenix Homes Page # 2 are adequate.
- 15. The strip footings and proposed interior pad footings shown on Phoenix Homes Page # 2 and noted on Phoenix Homes Page # 1 are adequate.
- 16. Floor joist design, flush LVL beams within the floor structure and LVL lintels are by the manufacturer. The posts supporting the flush LVL lintels/beams shown on Phoenix Homes Pages # 2 are adequate.

General Notes:

- 17. All gravity loads to be carried to foundation through solid blocking.
- 18. Truss design is by others.
- 19. Floor joist design, flush LVL beams within the floor structure and LVL lintels are by the manufacturer.
- 20. The self supporting stairs are to be designed by the stair manufacturer.
- 21. All dimension lumber, except non-load bearing 8 ft 2x6 studs to be No.2 grade SPF or better.
- 22. Non-load bearing 8 ft 2x6 studs to be No.3 or Stud grade SPF or better.
- 23. All guards to be as per OBC SB-7, unless otherwise mentioned and designed by others.
- 24. All brick lintels to be as per OBC Table 9.20.5.2.B.
- 25. Unless otherwise noted, LVL to be 1.8E 3000Fb LVL (Canadian Limit States bending strength of at least 39.5 MPa) with 13/4" nominal width or better.
 - 6. Pemco Steel adjustable posts are designed and approved by the manufacturer. The adjustable steel posts are designed for a maximum allowable load of 106.8 kN at a maximum height of 9'-3".





- 27. All 3" x 3" x 3/16" HSS posts c/w 6" x 6" x 3/8" top and bottom bearing plates.
- 28. The assumed soil bearing resistance of 100 kPa is to be verified prior to construction.
- 29. Note that the truss manufacturer/floor joist supplier has sized the flush LVL beams and girder trusses shown on the building drawings. The comments provided by Kollaard Associates in this report are based in part on the design indicated in the truss and floor layouts. If a different truss and/or floor layout is used in construction, comments made in this report may no longer be valid. Provide Kollaard Associates with the full truss package prior to construction.
- 30. Comments provided in this report are made in consideration of Part 9 and Part 4 (where applicable) of the 2012 OBC as amended.
- 31. This report constitutes a review of the structural information indicated on the building plans cited in this report for the client indicated above.
- 32. We trust this letter provides sufficient information for your present purposes. If you have any questions concerning this letter please do not hesitate to contact our office

We trust this letter provides sufficient information for your present purposes. If you have any questions concerning this letter please do not hesitate to contact our office.

Sincerely, Kollaard Associates Inc.



Christopher Cogliati, P.Eng.



Mechanical Design Report

Low	rise residential			Otta	Municipality of Mississippi Mi
	Address		House Builder		Building
Location of			PHOENIX		2022-08-1
Installation	Application Number		House Model (if applicable ANNAPOLIS 4BE	ED LOFT + STUDY	
	Name HARDING MECHANCIAL				
	Address				
Installing	2210 CAVANMORE RD City		Postal Code		
Contractor	OTTAWA		KOA 1LO		
	Telephone Number 613-831-2257		Fax Number 613-831-9011		
SYSTEM DE	SIGN PARAMETERS		VIC 001 7 011		
	ppliances 9.32.3.1.(1)	Heating	System		
	vent (sealed combustion) only		ced Air		
b) Positiv	ve venting induced draft (except fireplaces)	☐ No:	n-Forced Air (Other -)	
c) Natura	l draft, B-vent or induced draft fireplace	☐ Ele	ctric Space Heat		
d) Solid I	Fuel (including fireplaces)	☐ Ra	diant Floor Heat (attac	ch pipe details)	
e) 🗌 No Co	mbustion Appliances		othermal (attach loop, gh Velocity Residentia		
House Type 9.	32.3.1.(2)		ion System	ir (uttuell duet details)	
X I Type a	or b) appliances only, no solid fuel	☐ CA	N/CSA-F326		
☐ II Type I	except with solid fuel (including fireplace)	☐ HR	V - Exhaust Ducts / Fe	orced Air System	
☐ III Any Ty	ype c) appliance = Part 6 Design	X HR	V - Simplified Connec	ction to Forced Air Sys	stem
☐ IV Electric	e space heat	☐ HR	V - Full Ducting / Not	t Coupled to Forced A	ir System
Other: No f	forced air = Option 4	Par	t 6 Design (Other)	
-	T DESIGN REQUIREMENTS				
Total Ventilati	ion Capacity 9.32.3.3.(1)			TOTAL	
Master Bedroon	m <u>1</u> x 10 L	/s =	10 L/s		
Unfinished Bas	ement <u>1</u> x 10 L	/s =	10		
Other Habitable	e Rooms 15 x 5 L/	's =	75	95	T.V.C.
Principal Vent	tilation Capacity 9.32.3.4.(1)				
Master Bedroon	m <u>1</u> x 15 L		15		
Other Bedroom	<u>3</u> x 7.5 L	_/s =	22.5	- 37.5	_ P.V.C.
	Required Supplemental Ventilation	n Capacit	y (T.V.C. less P.V.C.	57.5	=
Furnace size:	GMEC961004CN 1000,000 BTU'S_			KJ	
Air conditione	r size:GSX16048 4.0 TON		KJ (I:	f provided / applicable)
Heating / Cooli	ng Equipment sized according to heat loss/gain	n calculat	ions of CAN/CSA F28	30: Yes	
Geothermal Eq	uipment designed according to CAN/CSA-C44	48.2:		No	
Hydronic Equip	oment designed according to CAN/CSA-B214	:		No	
· · · · · · ·	schematic attached including sizes, runs and	material u	sed:	Yes	
	ON EQUIPMENT				
Heat Recovery					
	L/s High 47.5 L/s Low				
95	L/s High 47.5 L/s Low				

Quans Review

Building Code Services Jan 2020

47.5

95

Exh	naust Fans				
	Location	Model	L/s	Sones	Principal or Supplemental
1	PDRM	DX90	45	2.5	PRINCIPAL
2	ENSUITE	EC50	25/25	3.	SUPPLEMENTAL
3	BATH1	EC50	25	3.	SUPPLEMENTAL
4	BATH 2	EC50	25	3.	SUPPLEMENTAL

EQUIPMENT EFFICIENCIES (Please also refer to Energy Efficiency Design Summary)

Heating system:

Cooling system (if applicable):

Water heater:

HRV: 75 % sensible efficiency at 0 degrees:

60 % sensible efficiency at -25 degrees:

n	ESI	CN	ER.	CEI	\mathbf{RT}	IFI	$C\Delta$	TI		V
v		UI.	- אוניו	ועוט					₹	•

I hereby certify that this ventilation system has been designed in accordance with the 2012 Ontario Building Code.

Name: LINDA MCPARLAN Company Name: HARDING MECHANICAL

Signature: Signature: Date: JULY 8/22 BCIN 24379 HRAI # 6080



Building Code Services Jan 2020

MUNICIPALITY OF MISSISSIPPI MILLS

Plumbing Information Sheet

Site Address: 344 Antler Court			
Application is to: ✓ Construct	Alter	Repair	

Owner's Name: DCR Phoenix Homes
Owner's Phone: 613-723-9227
Owners Email: cbuck@phoenixhomes.ca
Plumber's Name: Ben Cinnamon
Company Name (if applicable): ABC Plumbing
Plumber's Phone: 613-489-0120
Plumber's License #: 13269183

Total Number of Fixtures 24

Please fill in total amount of fixtures installed on the corresponding floor level(s).

Fixture Type	Basement	1 st Floor	2 nd Floor	3 rd Floor
Toilet / Bidet	1	1	3	
Bathroom Sink	1	1	5	
Shower			1	
Bathtub	1		3	
Kitchen Sink	1	1		
Washing Machine	1		1	
Laundry Sink	1			
Floor Drain				
Hot Water Tank				
Water Softener				
Urinal				
Grease Trap				
Oil Interceptor				
Pumps	1			
Backwater Valves	1			
Special Fixture				



Energy Efficiency Design Summary: Prescriptive Method

(Building Code Part 9, Residential)

2022-08-19

This form is used by a designer to demonstrate that the energy efficiency design of a house complies with the building code using the prescriptive method described in Subsection 3.1.1. of SB-12. This form is applicable where the ratio of gross area of windows/sidelights/skylights/glazing in doors and sliding glass doors to the gross area of peripheral walls is not more than 22%.

Application No:		For use by F	micipal	ittionity			
			Model/	Certification Number			
A. Project Information							
Building number, street name					Unit number	LovCon	
344 Antler C						61	
_{милісіраніу} Mississippi Mills	Posta	i code		Reg. Plan number / otner description 27M-47			
B. Prescriptive Complian	ce [indicate th	e building code co	ompliance	package being empl	loyed in this house	design]	
SB-12 Prescriptive (input design	n package):	Package: A1	1	Tabl	_{le:} 3.1.1.2.A(IP)	
C. Project Design Condition	18						
Climatic Zone (SB-1):	Heating E	quipment Effi	ciency	Space Heating			
■ Zone 1 (< 5000 degree days)	■ ≥ 92% A			■ Gas □ Oil	□ Propane□ Electric	□ Solid Fuel	
□ Zone 2 (≥ 5000 degree days) Ratio of Windows, Skylights & Glas		to Wall Area		Other Building		□ Earth Energy	
Ratio of Willdows, Skylights & Glas	S (W, 3 & G)	to wall Area		□ Log/Post&Bea			
Area of walls =m² or 4995fi	t ²	G % = 16		☐ Slab-on-groun			
	- W, 3 α	G % =			□ Air Conditioning □ Combo Unit		
Area of W, S & G =m² or 795	Utilize windo	w averaging: 🗅	Yes ∎No	□ Air Sourced H			
Alea of W, 3 & G = III of	,ı.			□ Ground Sourc	ed Heat Pump (35HP)	
D. Building Specifications [provide values a	and ratings of the	energy eff	iciency components	proposed]		
Energy Efficiency Substitutions	8						
ICF (3.1.1.2.(5) & (6) / 3.1.1.3.(5) 8	k (6))						
Combined space heating and dome	estic water he	ating systems	(3.1.1.2.(7) / 3.1.1.3.(7))			
Airtightness substitution(s)				matthews .			
□ Table	3.1.1.4.B R	equired:					
	, 0.1.1.1.0	equireu		Permi	tted Substitution		
Airtightness test required Refer to Design Guide Attached) □ Table				,	tted Substitution		
Airtightness test required Refer to Design Guide Attached)	3.1.1.4.C R	equired:		Permi	tted Substitution	:	
Airtightness test required Refer to Design Guide Attached) Building Component	3.1.1.4.C R R Minimum	equired:equired:equired:_		Permi	tted Substitution	:	
Refer to Design Guide Attached) □ Table Building Component	3.1.1.4.C R R Minimum or Maxim	equired: equired:_ RSI / R values um U-Value ⁽¹⁾		Permi Permi Building Comp	tted Substitution tted Substitution conent	Efficiency Ratings	
Refer to Design Guide Attached) □ Table Building Component Thermal Insulation	3.1.1.4.C R R Minimum or Maxim Nominal	equired:equired:equired:_	Windo	Permi Permi Building Comp	tted Substitution tted Substitution conent vide U-Value ⁽¹⁾ or E	Efficiency Ratings	
Building Component Thermal Insulation Ceiling with Attic Space	3.1.1.4.C R Rinimum or Maxim Nominal R60	equired: equired:_ RSI / R values um U-Value ⁽¹⁾	Windo Windo	Permi Permi Building Comp ws & Doors Pro vs/Sliding Glass	tted Substitution tted Substitution conent vide U-Value ⁽¹⁾ or E Doors	Efficiency Ratings R rating 25	
Building Component Thermal Insulation Ceiling with Attic Space Ceiling without Attic Space	3.1.1.4.C R R Minimum or Maxim Nominal R60 R31	equired: equired:_ RSI / R values um U-Value ⁽¹⁾	Window Window Skyligh	Permi Permi Building Comp ws & Doors Pro vs/Sliding Glass ts/Glazed Roofs	tted Substitution tted Substitution conent vide U-Value ⁽¹⁾ or E Doors	Efficiency Ratings	
Building Component Thermal Insulation Ceiling with Attic Space Ceiling without Attic Space Exposed Floor	Minimum or Maxim Nominal R60 R31 R31	equired: equired:_ RSI / R values um U-Value ⁽¹⁾	Window Window Skyligh Mecha	Permi Permi Building Comp ws & Doors Pro vs/Sliding Glass ts/Glazed Roofs nicals	tted Substitution tted Substitution conent vide U-Value ⁽¹⁾ or E Doors	Efficiency Ratings R rating 25 0.49	
Building Component Thermal Insulation Ceiling with Attic Space Ceiling without Attic Space Exposed Floor Walls Above Grade	3.1.1.4.C R R Minimum or Maxim Nominal R60 R31	equired:equired:_ RSI / R values um U-Value ⁽¹⁾ Effective	Window Window Skyligh Mecha Heating	Permi Permi Building Comp ws & Doors Pro vs/Sliding Glass ts/Glazed Roofs nicals g Equip.(AFUE)	tted Substitution tted Substitution conent vide U-Value ⁽¹⁾ or E Doors	Efficiency Ratings R rating 25 0.49	
Building Component Thermal Insulation Ceiling with Attic Space Ceiling without Attic Space Exposed Floor Walls Above Grade Basement Walls	Minimum or Maxim Nominal R60 R31 R31 R22	equired: equired:_ RSI / R values um U-Value ⁽¹⁾	Windov Windov Skyligh Mecha Heating HRV E	Permi Permi Building Comp ws & Doors Pro ws/Sliding Glass ts/Glazed Roofs nicals g Equip.(AFUE) fficiency (SRE% a	tted Substitution tted Substitution conent vide U-Value ⁽¹⁾ or E Doors	Efficiency Ratings R rating 25 0.49 96% 75%	
Building Component Thermal Insulation Ceiling with Attic Space Ceiling without Attic Space Exposed Floor Walls Above Grade Basement Walls Slab (all >600mm below grade)	Minimum or Maxim Nominal R60 R31 R22	equired:equired:_ RSI / R values um U-Value ⁽¹⁾ Effective	Windov Windov Skyligh Mecha Heating HRV E	Permi Permi Building Comp ws & Doors Pro vs/Sliding Glass ts/Glazed Roofs nicals g Equip.(AFUE) fficiency (SRE% a	tted Substitution tted Substitution conent vide U-Value ⁽¹⁾ or E Doors t 0°C)	Efficiency Ratings R rating 25 0.49 96% 75% 0.8	
Building Component Thermal Insulation Ceiling with Attic Space Ceiling without Attic Space Exposed Floor Walls Above Grade Basement Walls Slab (all >600mm below grade) Slab (edge only ≤600mm below grade)	R 3.1.1.4.C R R Minimum or Maxim Nominal R60 R31 R31 R22 R10	equired:equired:_ RSI / R values um U-Value ⁽¹⁾ Effective	Windov Windov Skyligh Mecha Heating HRV E	Permi Permi Building Comp ws & Doors Pro ws/Sliding Glass ts/Glazed Roofs nicals g Equip.(AFUE) fficiency (SRE% at deater (EF) (CSA B55.1 (min. 4	tted Substitution tted Substitution ponent vide U-Value ⁽¹⁾ or E Doors t 0°C)	Efficiency Ratings R rating 25 0.49 96% 75% 0.8 # Showers	
Building Component Thermal Insulation Ceiling with Attic Space Ceiling without Attic Space Exposed Floor Walls Above Grade Basement Walls Slab (all >600mm below grade) Slab (all ≤600mm below grade, or heated	R 3.1.1.4.C R R Minimum or Maxim Nominal R60 R31 R31 R22 R10 R10	equired: equired: RSI / R values um U-Value ⁽¹⁾ Effective R21.12	Windov Windov Skyligh Mecha Heating HRV E	Permi Permi Building Comp ws & Doors Pro vs/Sliding Glass ts/Glazed Roofs nicals g Equip.(AFUE) fficiency (SRE% a	tted Substitution tted Substitution ponent vide U-Value ⁽¹⁾ or E Doors t 0°C)	Efficiency Ratings R rating 25 0.49 96% 75% 0.8	
Building Component Thermal Insulation Ceiling with Attic Space Ceiling without Attic Space Exposed Floor Walls Above Grade Basement Walls Slab (all >600mm below grade) Slab (edge only ≤600mm below grade)	R 3.1.1.4.C R R Minimum or Maxim Nominal R60 R31 R31 R22 R10 R10 N R10	equired:equired:	Windov Windov Skyligh Mecha Heating HRV E DHW H DWHR Combin	Permi Permi Building Comp ws & Doors Pro ws/Sliding Glass ts/Glazed Roofs nicals g Equip.(AFUE) fficiency (SRE% at deater (EF) (CSA B55.1 (min. 4) and Heating Systems	tted Substitution tted Substitution ponent vide U-Value ⁽¹⁾ or E Doors t 0°C) 2% efficiency))	Efficiency Ratings R rating 25 0.49 96% 75% 0.8 # Showers	
Building Component Thermal Insulation Ceiling with Attic Space Ceiling without Attic Space Exposed Floor Walls Above Grade Basement Walls Slab (all >600mm below grade) Slab (edge only ≤600mm below grade) Slab (all ≤600mm below grade, or heated (1) U value to be provided in either W/(m²-2)	R A STATE OF THE S	equired: equired: RSI / R values um U-Value ⁽¹⁾ Effective R21.12 F) but not both. of person(s) prov	Windov Skyligh Mecha Heating HRV E- DHW H DWHR Combin	Permi Permi Building Comp ws & Doors Pro ws/Sliding Glass ts/Glazed Roofs nicals g Equip.(AFUE) fficiency (SRE% at leater (EF) (CSA B55.1 (min. 4) led Heating System mation herein to sub	tted Substitution tted Substitution ponent vide U-Value ⁽¹⁾ or E Doors t 0° C) 2% efficiency)) em	Efficiency Ratings R rating 25 0.49 96% 75% 0.8 # Showers 3 NO	
Building Component Thermal Insulation Ceiling with Attic Space Ceiling without Attic Space Exposed Floor Walls Above Grade Basement Walls Slab (all >600mm below grade) Slab (edge only ≤600mm below grade) Slab (all ≤600mm below grade, or heated (1) U value to be provided in either W/(m²- E. Designer(s) [name(s) & BCIN(s)	R A STATE OF THE S	equired: equired: RSI / R values um U-Value ⁽¹⁾ Effective R21.12 F) but not both. of person(s) prov	Windov Skyligh Mecha Heating HRV E- DHW H DWHR Combin	Permi Permi Building Comp ws & Doors Pro ws/Sliding Glass ts/Glazed Roofs nicals g Equip.(AFUE) fficiency (SRE% at leater (EF) (CSA B55.1 (min. 4) led Heating System mation herein to sub	tted Substitution tted Substitution ponent vide U-Value ⁽¹⁾ or E Doors t 0° C) 2% efficiency)) em	Efficiency Ratings R rating 25 0.49 96% 75% 0.8 # Showers_3 NO	
Building Component Thermal Insulation Ceiling with Attic Space Ceiling without Attic Space Exposed Floor Walls Above Grade Basement Walls Slab (all >600mm below grade) Slab (edge only ≤600mm below grade) Slab (all ≤600mm below grade, or heated (1) U value to be provided in either W/(m². E. Designer(s) [name(s) & BCIN(s) Qualified Designer Declaration of des	R A STATE OF THE S	equired: equired: RSI / R values um U-Value ⁽¹⁾ Effective R21.12 F) but not both. of person(s) prov	Windov Skyligh Mecha Heating HRV E DHW H DWHR Combin	Permi Permi Permi Building Comp ws & Doors Pro ws/Sliding Glass ts/Glazed Roofs nicals g Equip.(AFUE) fficiency (SRE% at leater (EF) (CSA B55.1 (min. 4) led Heating Systemation herein to sub- lity for the design wo	tted Substitution tted Substitution ponent vide U-Value(1) or E Doors t 0°C) 2% efficiency)) em stantiate that designsk.	Efficiency Ratings R rating 25 0.49 96% 75% 0.8 # Showers 3	

HEAT RECOVERY UNIT CONNECTED TO ALL SHOWERS (OR AT LEAST 2 SHOWERS WHEN MORE THAN I UNIT IS INSTALLED)

