



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



For use by Principal Authority				2022-08-18
Application/File Number: A22-1216		Permit number (if different): 22-257		
Date received: AUG 2, 2022		Roll/Tax Number:		
Application submitted to: THE CORPORATION OF THE MUNICIPALITY OF MISSISSIPPI MILLS				
A. Your Project location and information:				
Building project civic address number & street name 300 Antler Court			Lot/con. 50	Unit/Apt.
Municipality MISSISSIPPI MILLS	Postal Code	Plan number/other description 27M-47		
Will this project require an additional driveway/ <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Is this a vacant lot/ <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
Area of work (ft ²) - Existing N/A		Area of work (ft ²) - New 3454		
Height of Building (ft.) 31'4"	Length (ft.) 62'0"	Width (ft.) 42'0"		
Project value Est \$ \$450k	<i>Project value estimate: means the value of the proposed work including value of land, work, labour, equipment, materials, and design services where applicable. This information is required to be sent to Statistics Canada. This information does not impact where there is a set fee.</i>			
B. Purpose of application				
<input checked="" type="checkbox"/> New Construction <input type="checkbox"/> Addition <input type="checkbox"/> Renovate/Alter/Repair <input type="checkbox"/> Demolition <input type="checkbox"/> Change of Use <input type="checkbox"/> Solar Panel (Roof) <input type="checkbox"/> Other _____				
Current use of Building N/A	Proposed use of Building RESIDENTIAL	<i>Use of building: means , residential, office, mercantile, assembly, industrial, institutional, etc.</i>		
Description of proposed work Construct a two-storey, single family dwelling w/ 2 car garage				
C. Applicant is: <input type="checkbox"/> Owner or <input checked="" type="checkbox"/> An authorized agent of owner (Authorized Agent Form Required)				
Last name POLLOCK		First name SANDY	Corporation or partnership (If applicable) DCR PHOENIX HOMES	
Street address 18A BENTLEY AVE.				Unit/Apt. #
Municipality NEPEAN	Postal code K2E-6T8	Province ON	E-mail (All reports are sent to owner's email) spollock@phoenixhomes.ca	
Telephone number (613)723-9227 ext. 165		Cell ()	Other ()	
D. Owner (if different from applicant)				
Last name		First name	Corporation or partnership (If applicable) 2588824 Ontario Inc.	
Street address 18A BENTLEY AVE.				Unit/Apt. #
Municipality NEPEAN	Postal code K2E-6T8	Province ON	E-mail (All reports are sent to owner's email) spollock@phoenixhomes.ca	
Telephone number (613)723-9227 ext. 165		Cell ()	Other ()	



E. Builder (optional)			
Last name	First name	Corporation or partnership (if app)	
Street address			
Municipality	Postal code	Province	E-mail (All reports are sent to owner's email)
Telephone number ()	Cell ()	Other ()	
F. Taron Warranty Corporation (Ontario New Home Warranty Program) (Applicable to all new homes - reported to			
i. Is proposed construction for a new home as defined in the <i>Ontario New Home Warranties Plan Act</i> ? If no, go to section G.		<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
ii. Is registration required under the <i>Ontario New Home Warranties Plan Act</i> ?		<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
iii. If yes to (ii) provide registration number(s):		35002	
G. Required Schedules			
i) Attach Schedule 1 for each individual who reviews and takes responsibility for design activities. ii) Attach Schedule 2 where application is to construct on-site, install or repair a			
H. Completeness and compliance with applicable law – Yes is default answer.			
i) This application meets all the requirements of clauses 1.3.1.3 (5) (a) to (d) of Division C of the Building Code (the application is made in the correct form and by the owner or authorized agent, all applicable fields have been completed on the application and required schedules, and all required schedules are submitted).		<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
All payments will be made of all fees that are required, under the applicable by-law, resolution or regulation made under clause 7(1)(c) of the <i>Building Code Act, 1992</i> , to be paid when called for by the Chief Building Official. The minimum fee of \$125.00 will be submitted with this application.		<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
ii) This application is accompanied by the plans and specifications prescribed by the applicable by-law, resolution or regulation made under clause 7(1)(b) of the <i>Building Code Act, 1992</i> .		<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
iii) This application is accompanied by the information and documents prescribed by the applicable by-law, resolution or regulation made under clause 7(1)(b) of the <i>Building Code Act, 1992</i> which enable the chief building official to determine whether the proposed building, construction or demolition will contravene any applicable law.		<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
iv) This proposed building, construction or demolition will not contravene any applicable law.		<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
I. Declaration of applicant			
I SANDY POLLOCK declare that:			
(Owner or Agent Print Name)			
1. The information contained in this application, attached schedules, attached plans and specifications, and other attached documentation is true to the best of my knowledge.			
2. If the owner is a corporation or partnership, I have the authority to bind the corporation or partnership.			
August 2/22		Signature of applicant <i>Sandy Pollock</i>	
Date		Signature of applicant	

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 Information

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

A. Project Location Information				
Building civic address number, street name: <div style="color: blue;">300 Antler Court</div>				Unit/Apt. Number
Municipality: Municipality of Mississippi Mills	Postal code	Plan number/ other description (if applicable) <div style="color: red;">27M-47</div>		
B. Individual who reviews and takes responsibility for design activities				
Name: <div style="color: red;">SANDY POLLOCK</div>		Firm: <div style="color: red;">DCR PHOENIX HOMES</div>		
Street address <div style="color: red;">18A BENTLEY AVE.</div>				Unit/Apt. Number
Municipality <div style="color: red;">NEPEAN</div>	Postal code <div style="color: red;">K2E-6T8</div>	Province <div style="color: red;">ON</div>	E-mail <div style="color: red;">spollock@phoenixhomes.ca</div>	
Telephone number <div style="color: red;">(613)723-9227 ext. 165</div>	Fax number ()	Cell number ()		
C. Design activities undertaken by individual identified in Section B. [Building Code Table 3.5.2.1. of Division C]				
<input checked="" type="checkbox"/> House	<input type="checkbox"/> HVAC – House	<input type="checkbox"/> Building Structural		
<input checked="" type="checkbox"/> Small Buildings	<input type="checkbox"/> Building Services	<input type="checkbox"/> Plumbing – House		
<input type="checkbox"/> Large Buildings	<input type="checkbox"/> Detection, Lighting and Power	<input type="checkbox"/> Plumbing – All Buildings		
<input type="checkbox"/> Complex Buildings	<input type="checkbox"/> Fire Protection	<input type="checkbox"/> On-site Sewage Systems		
Description of designer's work <div style="color: red; text-align: center;">GENERAL REVIEW</div>				
D. Declaration of Designer				
<p>I <u><div style="color: red;">SANDY POLLOCK</div></u> declare that (choose one as appropriate):</p> <p style="text-align: center;">(print name)</p> <p><input type="checkbox"/> I have reviewed and take responsibility for the design work on behalf of a firm registered under subsection 3.2.4. of Division C, of the Building Code. I am qualified, and the firm is registered, in the appropriate classes/categories.</p> <p>Individual BCIN: _____ Firm BCIN: _____</p> <p><input checked="" type="checkbox"/> I review and take responsibility for the design and am qualified in the appropriate category as an "other designer" under subsection 3.2.5. of Division C, of the Building Code.</p> <p>Individual BCIN: <u><div style="color: red;">33536</div></u></p> <p>Basis for exemption from registration: <u><div style="color: red;">DESIGNER FOR TARIOR BUILDER</div></u></p> <p><input type="checkbox"/> The design work is exempt from the registration and qualification requirements of the Building Code.</p> <p>Basis for exemption from registration and qualification: _____ or <input type="checkbox"/> The Applicant is the OWNER.</p> <p>I certify that:</p> <ol style="list-style-type: none"> The information contained in this schedule is true to the best of my knowledge. I have submitted this application with the knowledge and consent of the firm. The plans have the project location, date and is signed by the designer or owner as being their design. <p><div style="color: red;">Aug 2/22</div> _____</p> <p>Date Signature of Designer or Owner <i>Sandy Pollock</i></p>				

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 qualified 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 may 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.



2022-08-18

MUNICIPALITY OF MISSISSIPPI MILLS

Plumbing Information Sheet



2022-08-18

Site Address:

Application is to: ☒ Construct ☐ Alter ☐ Repair

Owner's Name:

Owner's Phone:

Owners Email:

Plumber's Name:

Company Name (if applicable):

Plumber's Phone:

Plumber's License #:

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				
Bathroom Sink			/ 5	
Shower			/ 2	
Bathtub			/ 2	
Kitchen Sink				
Washing Machine				
Laundry Sink				
Floor Drain				
Hot Water Tank				
Water Softener				
Urinal				
Grease Trap				
Oil Interceptor				
Pumps				
Backwater Valves				
Special Fixture				



Mississippi
Mills

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

August 12, 2022

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

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

Re: Zoning Approval Letter
300 Antler Court
A22-1216

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.

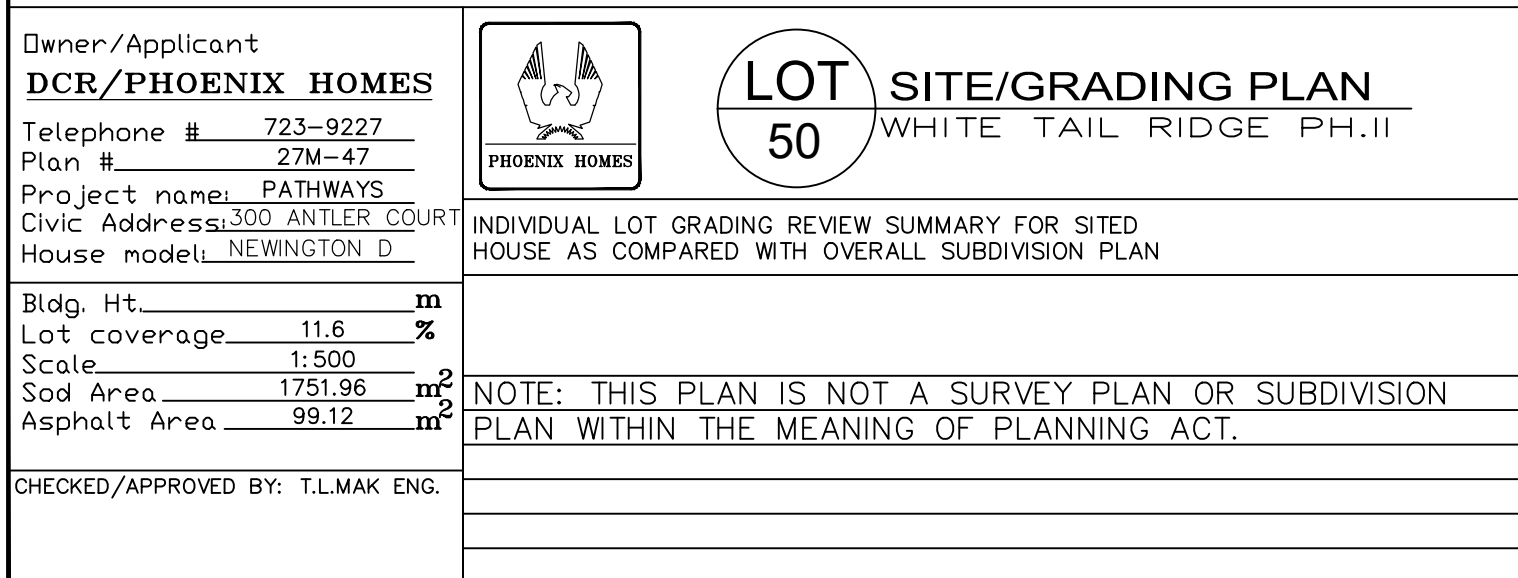
Sincerely,

Jeffrey Ren, Planner
Municipality of Mississippi Mills

Encl: Planning Approved Site Plan



2022-08-18





Kollaard Associates

Engineers

210 Prescott Street
P.O. Box 189
Kemptville, Ontario K0G 1J0

Civil • Geotechnical •
Structural • Environmental •
Hydrogeology •

(613) 860-0923

FAX: (613) 258-0475

July 4, 2022

Kollaard File # 220020 – LOT50

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

Attn: Sandy Pollock
Tel: 613-723-9227 x 165
Email: spollock@phoenixhomes.ca



Re: Proposed Single Family Dwelling, 300 Antler Court, Lot # 50 White Tail Ridge, Arnprior, Kollaard Associates File # 220020

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

- Phoenix Homes, Lot # 50, White Tail Ridge, Pages # 1 to 8, Dated 04/07/2022
- Grandor, High Roof Truss Layout, Newington 'D', WTR-3 Lot 50, Dated 05/06/2022
- Grandor, Low Roof Truss Layout, Newington 'D', WTR-3 Lot 50, Dated 05/06/2022
- Grandor, 2nd Floor Joist Layout, WTR3-50, Dated 06/14/2021
- Grandor, 1st Floor Joist Layout, WTR3-50, Dated 06/14/2021

Kollaard Associates offers the following comments:

Second Floor Plan – Pages # 4:

1. It is the opinion of Kollaard Associates that the proposed lintels and supporting posts shown on Phoenix Homes Pages # 4 are adequate.
2. The proposed tall wall noted on Phoenix Homes Pages # 1 is adequate.
3. Posts supporting girders may consist of built up 2x6 posts as indicated on Phoenix Homes Pages # 4 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



Professional Engineers
Ontario

Authorized by the Association of Professional Engineers
of Ontario to offer professional engineering services.

6. Ramset a 2x6 to the top flange of all steel beams to attach the above framing, floor joists and flush LVL beams.
7. The proposed web packing of the steel beam detailed on Phoenix Homes Sheet # 8 is adequate.
8. Truss design is by others.
9. Posts supporting girders may consist of built up 2x6 posts as indicated on Phoenix Homes Pages # 3 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. It is the opinion of Kollaard Associates that the proposed steel beams steel posts shown on Phoenix Homes Sheet # 2 are adequate.
12. It is the opinion of Kollaard Associates that the proposed deck beams, posts, joists, sonotubes and ledger connection shown on Phoenix Homes Sheet # 2 are adequate.
13. The front porch slab reinforcement described on Phoenix Homes Sheet # 1M is adequate.
14. As noted on Phoenix Homes Sheet # 2, the framed walls supporting the intermediate landing may be supported by the basement slab.
15. The foundation walls at the bottom of the window openings that exceed 47¼" in width (or the sum of the widths of the window openings exceed 25% of the length of the wall) are considered to be laterally unsupported as per 2012 OBC 9.15.4.3. The reinforcement around the window openings noted on Phoenix Homes Sheets # 2 is adequate to withstand the lateral earth pressures.
16. 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 # 6 and 7 are adequate to withstand the lateral earth pressures.
17. The remaining proposed foundation walls conform to 2012 OBC Table 9.15.4.2.A. ensuring that the **grade difference between the basement slab and the exterior grade** (including the garage slab) does **not exceed 7'-6½" for the full height 8'-10" foundation walls.**
18. The proposed strip footings, interior pad footings and exterior pad footings shown on Phoenix Homes Page # 2 and noted on Phoenix Homes Sheet # 1 are adequate.
19. Floor joist design, flush LVL beams within the floor structure and LVL lintels are by the manufacturer. The posts supporting the flush LVL lintels shown on Phoenix Homes Sheet # 2 are adequate.

General Notes:

20. All gravity loads to be carried to foundation through solid blocking.
21. Truss design is by others.
22. Floor joist design, flush LVL beams within the floor structure and LVL lintels are by the manufacturer.



23. The self supporting stairs are to be designed by the stair manufacturer.
24. All dimension lumber, except non-load bearing 8 ft 2x6 studs to be No.2 grade SPF or better.
25. Non-load bearing 8 ft 2x6 studs to be No.3 or Stud grade SPF or better.
26. All guards to be as per OBC SB-7, unless otherwise mentioned and designed by others.
27. All brick lintels to be as per OBC Table 9.20.5.2.B.
28. Unless otherwise noted, LVL to be 1.8E 3000Fb LVL (Canadian Limit States bending strength of at least 39.5 MPa) with 1¾" nominal width or better.
29. 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".
30. All 3" x 3" x 3/16" HSS posts c/w 6" x 6" x 3/8" top and bottom bearing plates.
31. The assumed soil bearing resistance of 100 kPa is to be verified prior to construction.
32. 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.
33. Comments provided in this report are made in consideration of Part 9 and Part 4 (where applicable) of the 2012 OBC as amended.
34. This report constitutes a review of the structural information indicated on the building plans cited in this report for the client indicated above.

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.



2022-08-18

Mechanical Design Report

Low rise residential



Location of Installation	Address	House Builder PHOENIX
	Application Number	House Model (if applicable) NEWINGTON 5BED

Installing Contractor	Name HARDING MECHANICAL	
	Address 2210 CAVANMORE RD	
	City OTTAWA	Postal Code KOA 1LO
	Telephone Number 613-831-2257	Fax Number 613-831-9011

SYSTEM DESIGN PARAMETERS

Combustion Appliances 9.32.3.1.(1) a) <input checked="" type="checkbox"/> Direct vent (sealed combustion) only b) <input type="checkbox"/> Positive venting induced draft (except fireplaces) c) <input type="checkbox"/> Natural draft, B-vent or induced draft fireplace d) <input type="checkbox"/> Solid Fuel (including fireplaces) e) <input type="checkbox"/> No Combustion Appliances	Heating System <input checked="" type="checkbox"/> Forced Air <input type="checkbox"/> Non-Forced Air (Other - _____) <input type="checkbox"/> Electric Space Heat <input type="checkbox"/> Radiant Floor Heat (attach pipe details) <input type="checkbox"/> Geothermal (attach loop, pipe & well details) <input type="checkbox"/> High Velocity Residential (attach duct details)
House Type 9.32.3.1.(2) <input checked="" type="checkbox"/> I Type a) or b) appliances only, no solid fuel <input type="checkbox"/> II Type I except with solid fuel (including fireplace) <input type="checkbox"/> III Any Type c) appliance = Part 6 Design <input type="checkbox"/> IV Electric space heat <input type="checkbox"/> Other: No forced air = Option 4	Ventilation System <input type="checkbox"/> CAN/CSA-F326 <input type="checkbox"/> HRV - Exhaust Ducts / Forced Air System <input checked="" type="checkbox"/> HRV - Simplified Connection to Forced Air System <input type="checkbox"/> HRV - Full Ducting / Not Coupled to Forced Air System <input type="checkbox"/> Part 6 Design (Other - _____)

EQUIPMENT DESIGN REQUIREMENTS

Total Ventilation Capacity 9.32.3.3.(1)					TOTAL	
Master Bedroom	1	x	10 L/s	=	10 L/s	
Unfinished Basement	1	x	10 L/s	=	10	
Other Habitable Rooms	14	x	5 L/s	=	70	90 T.V.C.
Principal Ventilation Capacity 9.32.3.4.(1)						
Master Bedroom	1	x	15 L/s	=	15	
Other Bedrooms	4	x	7.5 L/s	=	30	- 45 P.V.C.
Required Supplemental Ventilation Capacity (T.V.C. less P.V.C.) =					45	

Furnace size: _____ GMEC960804CNA 80,000 BTU'S _____ KJ

Air conditioner size: _____ GSX13042 3.5 TON _____ KJ (If provided / applicable)

Heating / Cooling Equipment sized according to heat loss/gain calculations of CAN/CSA F280: Yes

Geothermal Equipment designed according to CAN/CSA-C448.2: No

Hydronic Equipment designed according to CAN/CSA-B214: No

Duct (and pipe) schematic attached including sizes, runs and material used: Yes

VENTILATION EQUIPMENT

Heat Recovery Ventilator

Model: _____
CLEAN COMFORT VH30100RNC HRV

90 L/s High 45 L/s Low

Plans Review

Municipality of Mississippi Mills

Building Dept.

2022-08-18

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

DESIGNER CERTIFICATION

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

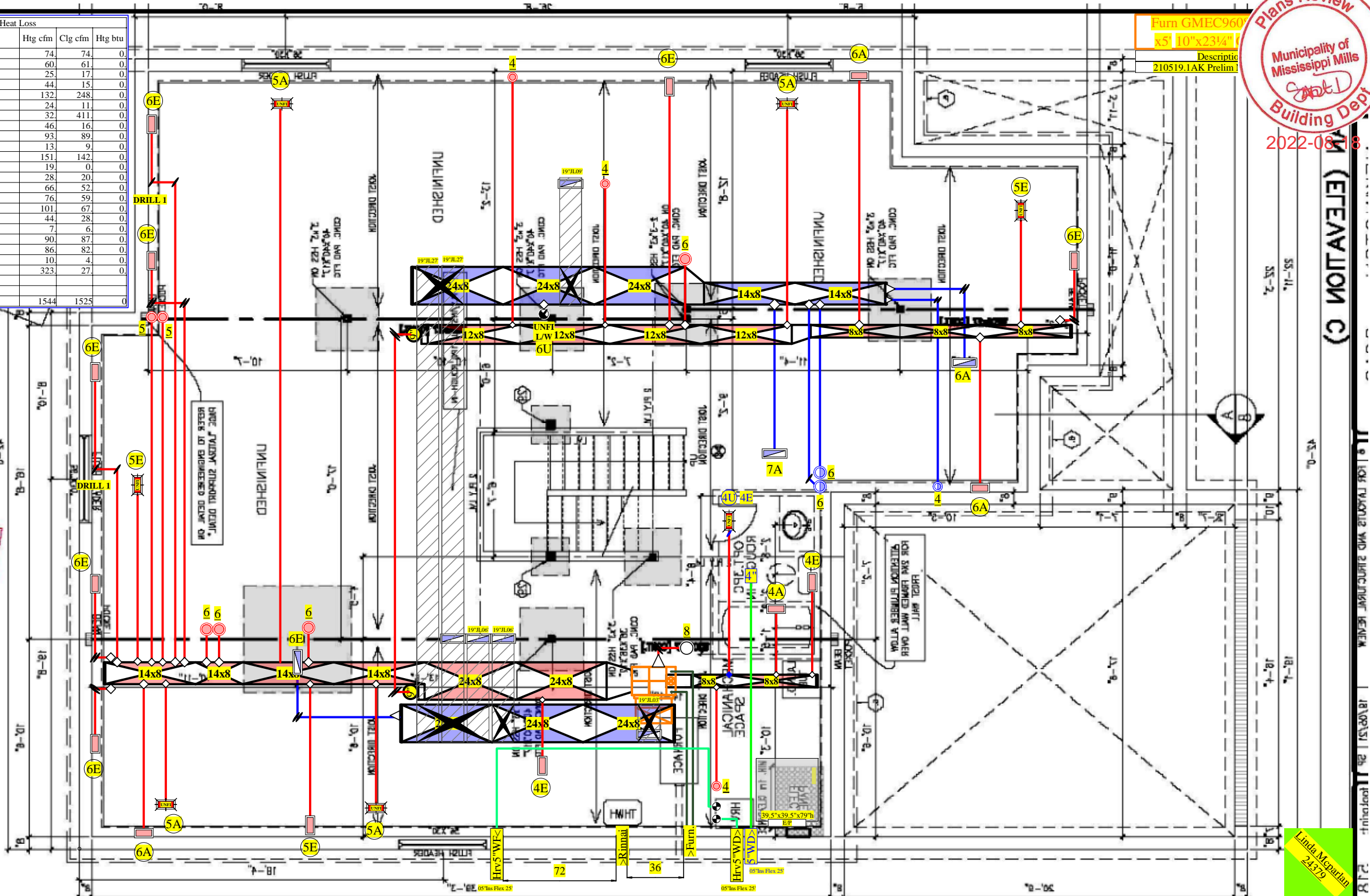
Name: LINDA MCPARLAN Company Name: HARDING MECHANICAL

Signature: Linda McParlan Date: MAY 3/21 BCIN 24379 HRAI # 6080



Heat Loss			
Room Name	Htg cfm	Clg cfm	Htg btu
1-BREAKFAST	74.	74.	0.
1-DININGROOM	60.	61.	0.
1-ENIUTE 1	25.	17.	0.
1-FOYER	44.	15.	0.
1-GREATROOM	132.	248.	0.
1-INLAW SUITE	24.	11.	0.
1-KITCHEN	32.	411.	0.
1-LAUNDRY	46.	16.	0.
1-OFFICE	93.	89.	0.
1-PDRM	13.	9.	0.
1-SUNROOM	151.	142.	0.
2-BATH	19.	0.	0.
2-BATH 2	28.	20.	0.
2-BEDROOM 3	66.	52.	0.
2-BEDROOM 4	76.	59.	0.
2-BONUSROOM	101.	67.	0.
2-ENSUITE	44.	28.	0.
2-HALL	7.	6.	0.
2-LOFT	90.	87.	0.
2-MASTERBEDROOM	86.	82.	0.
2-W.I.C.	10.	4.	0.
B-BSMT	323.	27.	0.
	1544	1525	0

3, FOUNDATION POUR



Furn GMEC960	
x5' 10"x23¼" (
	Description
210519.1AK Prelim I	

Linda Mcparlan
24379

1st Floor

Phoenix

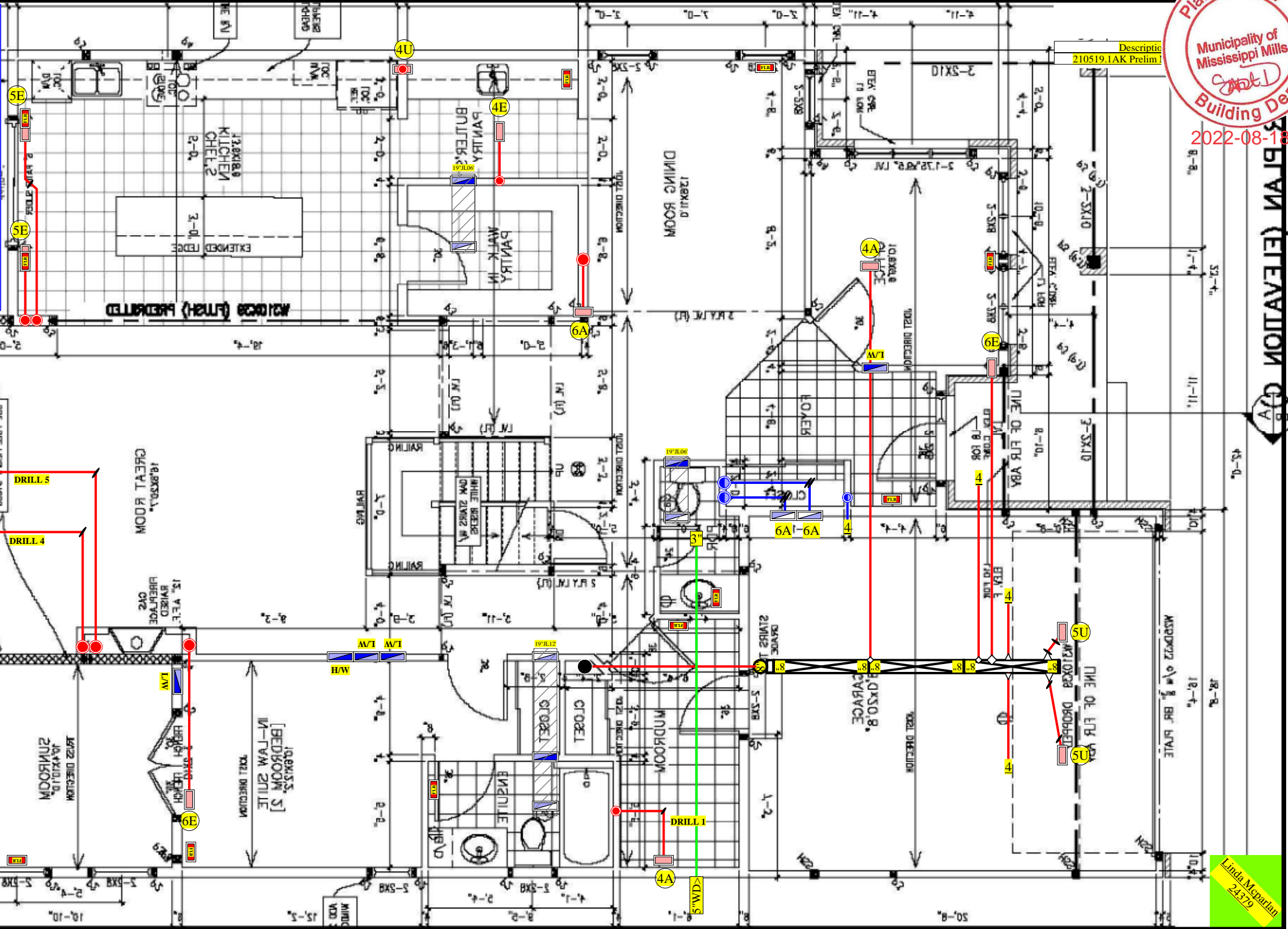
Newington 5Bed+Office

HrvSimp

May 2021

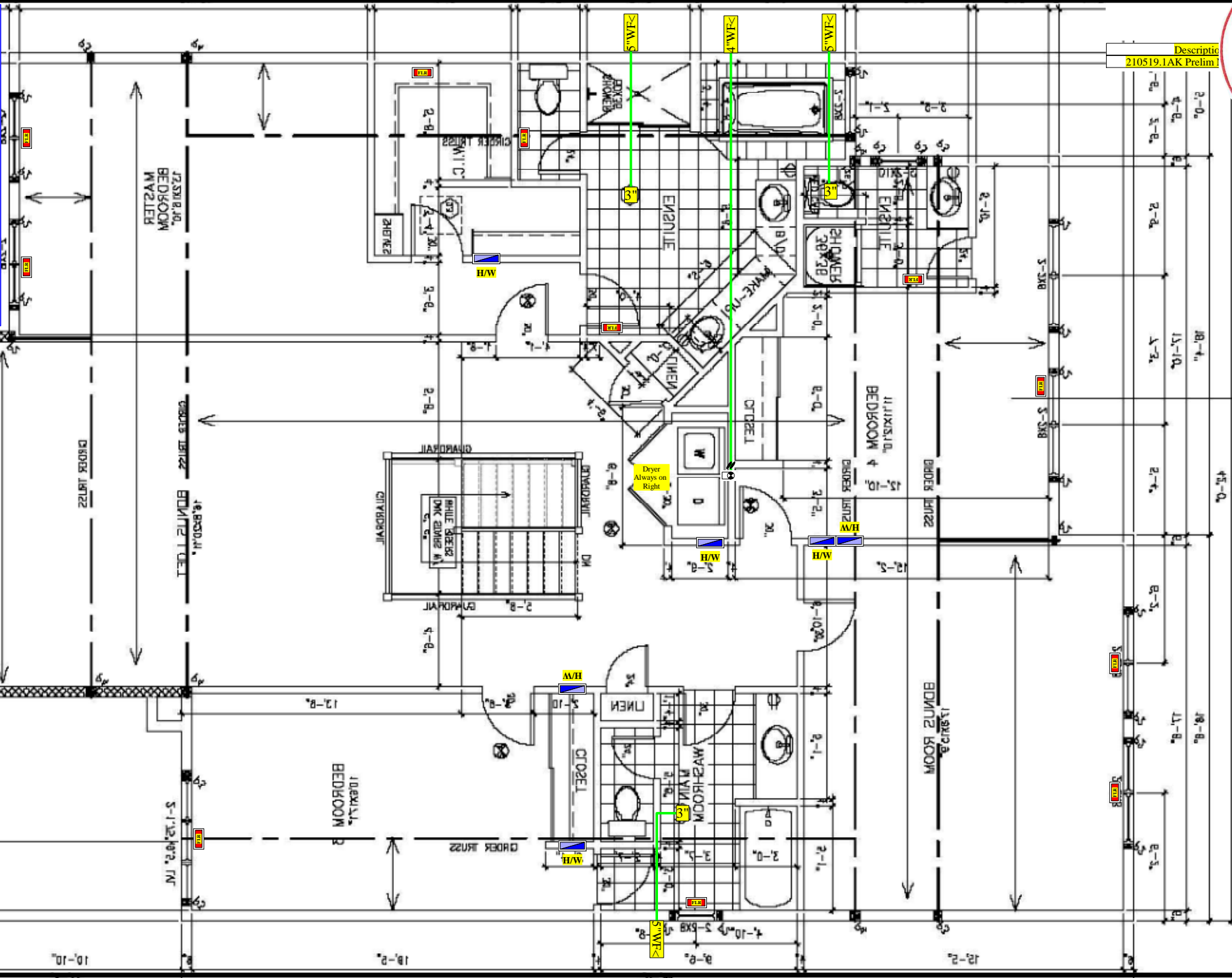
210519.1AK

Heat Loss			
Room Name	Htg cfm	Clg cfm	Htg btu
1-BREAKFAST	74	74	0
1-DININGROOM	60	61	0
1-ENIUTE 1	25	17	0
1-FOYER	44	15	0
1-GREATROOM	132	248	0
1-INLAW SUITE	24	11	0
1-KITCHEN	32	411	0
1-LAUNDRY	46	16	0
1-OFFICE	93	89	0
1-PDRM	13	9	0
1-SUNROOM	151	142	0
2-BATH	19	0	0
2-BATH 2	28	20	0
2-BEDROOM 3	66	52	0
2-BEDROOM 4	76	59	0
2-BONUSROOM	101	67	0
2-ENSUITE	44	28	0
2-HALL	7	6	0
2-LOFT	90	87	0
2-MASTERBEDROOM	86	82	0
2-W.I.C.	10	4	0
B-BSMT	323	27	0
	1544	1525	0



Linda Mcpartlan
24579

Heat Loss			
Room Name	Htg cfm	Clg cfm	Htg btu
1-BREAKFAST	74	74	0
1-DININGROOM	60	61	0
1-ENIUTE 1	25	17	0
1-FOYER	44	15	0
1-GREATROOM	132	248	0
1-INLAW SUITE	24	11	0
1-KITCHEN	32	411	0
1-LAUNDRY	46	16	0
1-OFFICE	93	89	0
1-PDRM	13	9	0
1-SUNROOM	151	142	0
2-BATH	19	0	0
2-BATH 2	28	20	0
2-BEDROOM 3	66	52	0
2-BEDROOM 4	76	59	0
2-BONUSROOM	101	67	0
2-ENSUITE	44	28	0
2-HALL	7	6	0
2-LOFT	90	87	0
2-MASTERBEDROOM	86	82	0
2-W.I.C.	10	4	0
B-BSMT	323	27	0
	1544	1525	0



210519.1AK Prelim



PLAN (ELEVATION C)

Linda Mcpartlan
210519

Energy Efficiency Design Summary: Prescriptive

(Building Code Part 1)



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%.

2022-08-18

For use by Principal Authority

Application No:	Model/Certification Number
-----------------	----------------------------

A. Project Information

Building number, street name	Unit number	Lot/Con
Municipality	Postal code	Reg. Plan number / other description

B. Prescriptive Compliance [indicate the building code compliance package being employed in this house design]

SB-12 Prescriptive (input design package): Package: _____ Table: _____

C. Project Design Conditions

Climatic Zone (SB-1): <input type="checkbox"/> Zone 1 (< 5000 degree days) <input type="checkbox"/> Zone 2 (≥ 5000 degree days)	Heating Equipment Efficiency <input type="checkbox"/> ≥ 92% AFUE <input type="checkbox"/> ≥ 84% < 92% AFUE	Space Heating Fuel Source <input type="checkbox"/> Gas <input type="checkbox"/> Propane <input type="checkbox"/> Solid Fuel <input type="checkbox"/> Oil <input type="checkbox"/> Electric <input type="checkbox"/> Earth Energy
Ratio of Windows, Skylights & Glass (W, S & G) to Wall Area		Other Building Characteristics
Area of walls = _____ m ² or _____ ft ²	W, S & G % = _____	<input type="checkbox"/> Log/Post&Beam <input type="checkbox"/> ICF Above Grade <input type="checkbox"/> ICF Basement <input type="checkbox"/> Slab-on-ground <input type="checkbox"/> Walkout Basement <input type="checkbox"/> Air Conditioning <input type="checkbox"/> Combo Unit <input type="checkbox"/> Air Sourced Heat Pump (ASHP) <input type="checkbox"/> Ground Sourced Heat Pump (GSHP)
Area of W, S & G = _____ m ² or _____ ft ²	Utilize window averaging: <input type="checkbox"/> Yes <input type="checkbox"/> No	

D. Building Specifications [provide values and ratings of the energy efficiency components proposed]

Energy Efficiency Substitutions				
<input type="checkbox"/> ICF (3.1.1.2.(5) & (6) / 3.1.1.3.(5) & (6)) <input type="checkbox"/> Combined space heating and domestic water heating systems (3.1.1.2.(7) / 3.1.1.3.(7)) <input type="checkbox"/> Airtightness substitution(s) Airtightness test required (Refer to Design Guide Attached) <input type="checkbox"/> Table 3.1.1.4.B Required: _____ Permitted Substitution: _____ <input type="checkbox"/> Table 3.1.1.4.C Required: _____ Permitted Substitution: _____ Required: _____ Permitted Substitution: _____				
Building Component	Minimum RSI / R values or Maximum U-Value ⁽¹⁾		Building Component	Efficiency Ratings
Thermal Insulation	Nominal	Effective	Windows & Doors Provide U-Value ⁽¹⁾ or ER rating	
Ceiling with Attic Space			Windows/Sliding Glass Doors	
Ceiling without Attic Space			Skylights/Glazed Roofs	
Exposed Floor			Mechanicals	
Walls Above Grade			Heating Equip.(AFUE)	
Basement Walls			HRV Efficiency (SRE% at 0°C)	
Slab (all >600mm below grade)			DHW Heater (EF)	
Slab (edge only ≤600mm below grade)			DWHR (CSA B55.1 (min. 42% efficiency))	# Showers 2
Slab (all ≤600mm below grade, or heated)			Combined Heating System	

(1) U value to be provided in either W/(m²•K) or Btu/(h•ft²•F) but not both.

E. Designer(s) [name(s) & BCIN(s), if applicable, of person(s) providing information herein to substantiate that design meets the building code]

Qualified Designer Declaration of designer to have reviewed and take responsibility for the design work.		
Name	BCIN	Signature
		<i>Andy Pelton</i>