

Office address: Mailing address: 103 Ashley Street P. O. Box 220

**Development Officer** Telephone: 306-725-3258 Bulyea SK S0G 0L0 Bulyea SK S0G 0L0 Email: rm220devofficer@rm220.ca

# PERMIT RMMK-24-\_\_\_ **APPLICATION FOR DEVELOPMENT PERMIT**

1)	Applicant (Must b	e registered owne	er):				
	Registered Owner						
	Mailing Address						
	Contact Number _		Email				
2)	Property (Civic or Legal or Land Location):						
	Civic or Jobsite Ad	dress					
	Lot	Blk	Plan				
	Part	Section	Township	Range	W2		
	Certificate of Title	No	Date				
3)	Lot Size:						
	Dimensions		Area				
4)	Existing Land Use:	:					

5) Proposed Land Use/Description of Proposed Development:



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## 6) DOCUMENTS TO INCLUDE FOR ALL DEVELOPMENT APPLICATIONS

- a) Site Plan showing the following:
  - i) Site dimensions & shape, side yard, front yard & rear yard setbacks.
  - ii) Location, size and use of all existing and proposed buildings or structures & easements dimensioned to the site lines.
  - iii) Distance between Principal and Accessory Building.
- b) Site topography and special site conditions (which may require a contour map) including ponds, streams, other drainage runs, culverts, ditches, and any other drainage features.
- c) The location and size of trees and other vegetation, especially natural vegetation, street trees, and mature growth.
- d) Proposed on-site and off-site services.
- e) A Geo-Tech Report provided by an Engineer.

## 7) TIMELINE

- a) Start Date: \_\_\_\_\_
- b) Estimated Completion Date: \_\_\_\_\_

## 8) Other Information

9) Mobile Homes: C.S.A. Z240 Approval Number \_\_\_\_\_\_ 10) Modular/RTM: C.S.A. Z277 Approval Number 11) Park Model Home: C.S.A. Z241 Approval Number \_\_\_\_\_\_ 12) Modular date of Manufacture



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## **13) DECLARATION OF APPLICANT**

I, \_\_\_\_\_\_ of the \_\_\_\_\_\_ of \_\_\_\_\_ In the Province of \_\_\_\_\_\_, do Solemnly declare that the above statements contained within the Application are true, and I make this solemn declaration conscientiously believing it to be true and knowing that it is of the same force and effect as if made under oath, and by virtue of "The Canada Evidence Act".

I agree to indemnify and hold harmless the Rural Municipality of McKillop from and against any claims, demands, liabilities, costs, and damages related to the development undertaken pursuant to this application.

Date

**Property Owner** 



Bulyea SK SOG OLO Bulyea SK SOG OLO

Mailing address:

**Development Officer** Telephone: 306-725-3258 Email: rm220devofficer@rm220.ca

#### FOR MUNICIPAL OFFICE USE ONLY:

#### RMMK-24-\_\_\_

1.	Present Zoning:				
2.	Proposed Use(s):	Principal			
3.	Proposed Setbacks:	Front	_ Rear	Side 1	Side 2
4.	Size of Building	Length	_ Width	Height	
5.	Application Status:	Meets Bylaw Re			
		Does Not Meet E	Bylaw Requiremer	nts	

Other Regulations/Comments/Conditions:

Date

**Development Officer** 



Office address: 103 Ashley Street

Mailing address: P. O. Box 220 Bulyea SK SOG OLO Bulyea SK SOG OLO

**Development Officer** Telephone: 306-725-3258 Email: rm220devofficer@rm220.ca

## FORM A - APPLICATION FOR BUILDING PERMIT

I hereby make application for a permit to:

Construct Alter Reconstruct Alt No.

Permit No. RMMK-24-

a building according to the information below and to the plans and documents attached to this application. Applicant (must be completed by the registered owner):

Registered Owner					
Mailing Address					
Contact Number		En	nail		
Property (Civic or L	egal <b>or</b> Land Locatior	n <b>):</b>			
Civic Address					
Legal Description:	Lot	Blk	Plan		
Land Description: P	art <u>Section</u>		Township	Range	W2
Certificate of Title N	lo	Date _			
Nature of work:					
			thHe		
Number of sto	reys:		Fire Escapes:		
Number of stairv	vays:		Width of stairways:		
Number of e	exits:		Width of exits:		
Foundation Soil Cla	ssification Type:				
Footings:		Material:		Size:	
Foundation:		Material:		Size:	
Exterior Walls:					
Roof: _		Material:		Size:	
		Material:		Spacing:	
Girders:		Material:		Spacing:	
Rafters:		Material:		Spacing:	
		Number:		Size:	
		Material:		Thickness:	
Heating: _		Lighting:		Plumbing:	
В	uilding Area (of large	st storey:			

I hereby agree that it is my responsibility to ensure compliance with the Act, Regulations, NBC, NECB and the Building Bylaw and that I must call for inspections as required by the Plan Review issued by Professional Building Inspections. I agree to allow the building official onto my property at any reasonable hour to conduct inspections.

Date

Professional Building Inspections, Inc.		lential tion Form (PIF)	Box 517 Stn. Mair White City, SK S4L5B Ph: 306-536-1799 Fax: 306-781-2112 office@pro-inspections.ca
	Municipal Of	fice Use Only	
Municipality:		Date:	
Development Approved:	s 🗆 No	PBI Number:	RMMK-24-
Geotech Required:	s 🗆 No	Permit Expiry Date:	
Municipal Official:		Signature:	
Informa	tion Below To Be C	ompleted By The Applican	<u>it</u>
	Contact & E	mail Consent	
Building Owner:		Home Phone:	
Mailing Address:		Cell Phone:	
Email Address Owner:			
Contractor:		Business:	
Contact Person:		Cell Phone:	
Email Address Contractor:			

#### Signature:

\* I declare that I am the owner of this property, and I will notify PBI of any email changes if applicable.

By signing above, I consent to email delivery to all named above of PBI reports and related documents pertaining to this building permit. Please note that failure to receive an emailed report or related documents does not release the property owner (s) from their responsibility to comply in all regards with the building standards (Saskatchewan Construction Code Act, Municipal Building Bylaws, and National Building Code of Canada).

Date:

\* Note that owners should always include themselves on this form.

Jobsite Location

Civic Address:				
Legal Land Location:				
	Lot(s)	Block	Plane No	
or:	Quarter Section	Township	Range	Meridian
Description:		томнынр	Nange	Worklight
Subdivision / Landmark:				

**Project Details** 

* Please fill in Sections 1a) plus 1b), or just Section 2)									
1a) Single Family Dwelling (Select One Permit Type That Best Describes the Dwelling)									
	□ New Home □	Home   RTM  Post-Move  Modular Hor		□ Modular Home	□ Duplex Unit				
1b)	Select Below ALL that Pert	ain to this Permit AND ar	e included with the p	plans submitted to PE	BI for Review:				
	<ul> <li>Basement</li> <li>Development</li> </ul>	□ Deck	□ Attached G (Insulated)	•	ached Garage lot Insulated)				
2)	2) Residential Building Project (Separate Permit is Required for Each Project type)								
		□ Attached Garage	Deck	□ Ba	asement Development				
	□ Renovation	□ Roof Extension	Sunroom	□ Se	condary Suite				
	□ Detached Garage	□ Accessory Building	□ Accessory w/Living	Building 🗆 Po	le Building				
	□ Boat House	□ New Foundation	□ Retaining V	Vall 🗆 De	emolition				

This document must be submitted to PBI by the municipal office

## Signature:

PBI - Rev. Dec 31, 2022

Residential Mechanical Ventilation Design Summary

\* I declare that I am the owner of this property, and I will notify PBI of any email changes if applicable.

Please note that failure to receive an emailed report or related documents does not release the property owner (s) from their responsibility to comply in all regards with the building standards (Saskatchewan Construction Code Act, Municipal Building Bylaws, and National Building Code of Canada).

\* Pole Building (Please detail intended use. Note if vehicles will be repaired in the building, if building is for personal or business use, etc.)

Page 1 of 1

Municipality:					Permit No:RMMK-24										
Job Site Address: Owner's Name:				Project Type:											
				Cell Phone:											
					Re	esid	lent	ial	Pro	ject	Ту	ре			
REQUIRED for a Plan Review					. Suite					ated)		s a structure)			unheated
Provide <u>designs and required documents in PDF format</u> as indicated b unshaded boxes for the project (shaded box means not required).	y the	New Dwelling / Housing Unit	t-Move	Mobile (Manufactured) Home	Addition / Living Space / Sec.	or egress)	lent	closed)	(unheated)	Bldg. (unheated)	(pe	(if collapse affects	ment	or Hot Water)	Storage only - no living space & unheated
A plan review must be completed by PBI before a building permit is issu	ed.	/ Hous	r / Pos	acture	ng Spa	tructural	/elopm	ed or end		/ Acc. BI	(unheated)		Replacement	⊳<	- no livir
E-mail plans and documents in PDF format to the municipal office.	:	elling	odula	Manuf	/ Livi	ion (s	nt Dev	t covere	l Gara	ige/A	Building	g Wal		Panels	e only
Requirements may vary for unique or larger projects. Please consult with	PBI.	New Dw	RTM / Modular / Post-Move	Mobile (I	Addition	Renovation (structural or	<b>Basement Development</b>	Deck (not covered or enclosed)	Attached Garage	Det Garage	Pole Bui	Retaining Wall	Foundation	Solar P	Storage
Site Plan (e.g. lot size & shape; indicate North; project size on lot, distance to all property lines, indi what borders each property line, label streets, etc.)	cate														
Building Plans (e.g. floor plans, exterior elevations, cross sections, structural details, window & door types, sizes & locations, stair configurations, material lists, specs, etc.)															
Energy Code Forms (applicable to compliance option, code edition & climate zone)															
Building Designs stamped by an engineer (project specific for intended use*)															
Foundation Designs stamped by a structural engineer (site specific)													Τ		
Geotechnical Report (if required by zoning bylaws or engineer recommendation)															
PBI Specifications sheet (plus all information requested in the sheets)															
Information Below is Required BEFORE THE		IIN	G IN	NSP	ЕСТ		1					_			-
Engineer-stamped roof truss designs & layouts (NBC compliant)															
Engineer-stamped floor truss and/or LVL designs & layouts															
Fireplace or Wood Stove Manufacturer Specifications															

#### **Project Information**

Residential

**Plan Review Checklist** 

Box 517 Stn. Main White City, SK S4L5B1 Ph: 306-536-1799 Fax: 306-781-2112 office@pro-inspections.ca

# Professional Building Inspections, Inc.

Date:



## **Basement Development - PBI Specifications**

## (1) Provide a floor plan SKETCH on a separate sheet and note the following:

Draw the **perimeter walls** of the basement and note the **total area to be developed** (ft<sup>2</sup> or m<sup>2</sup>).

□ Draw the room layout (existing and proposed rooms) and show the location of the stairs (note width.)
 □ Note the dimensions of all rooms (indicate ft or m).

Label the **intended use of each room** (e.g. Rec Room, Bathroom, Bedroom, Utility, Office, Storage, etc.) Show all **walls**, **partitions**, **closets**, **doorways and windows**.

Draw the **door swing direction** on all doorways and note the **door width**.

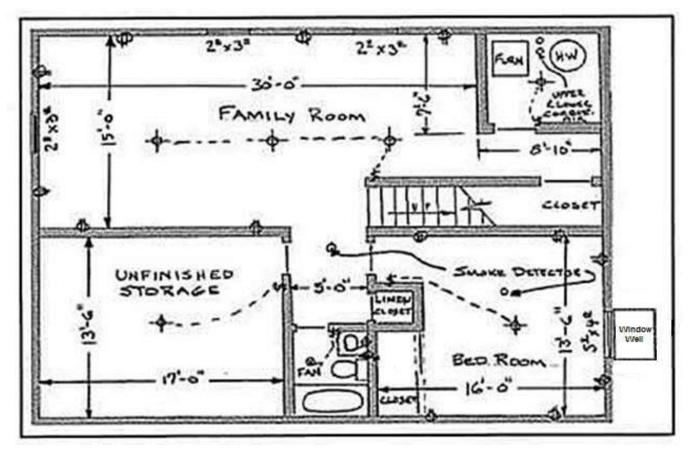
□ Note the **window sizes** for each basement window and note the **window opening type** in each bedroom.

☐ If applicable, show the proposed fireplace location and type (i.e. natural gas, wood burning, electric, etc.)
 ☐ Using symbols, note the locations of smoke alarms (☉) and CO alarms (⊕) (combine symbols for combination units.)

- ☐ For **bathrooms**, show the locations of **fixtures** (sink, toilet, tub) and **exhaust fan.**
- For kitchenettes, note the location of cabinets, counters, sinks, and appliances, including cooktops.
- For **secondary suites**, please submit architectural drawings prepared by an experienced designer, as NBC

requirements are significantly different for secondary suites than basement developments.

## Sample Floor Plan



Answer all questions on page 2 and submit with your floor plan.
 Please contact PBI at (306) 536-1799 if you have any questions.

		Professional Building Inspections, Inc.
Owner Name:		Municipality:
Owner: (Cell) <u>(306)</u>	(H) <u>(</u> 306)	Jobsite Address:
		Foundation Wall ier & Interior Dampproofing
		Vapour barrier extending full height
	Interior dampproofing up to grade level only	
	Grade level	Insulation in voids
	Mechanically fastened	Note: To ensure good protection, the number of seams are to be minimized. Any seams should be overlapped at least 100 mm (4") at solid framing and be sealed with a compatible material.
		Interior dampproofing against wall and under bottom plate

## (2) Complete the information below regarding the proposed development:

**Total Area Being Developed** (indicate ft<sup>2</sup> or m<sup>2</sup>):

Foundation Perimeter Walls Are Currently:	Stairs Protected By:
□ Vapour Barrier □ Sheathed □ Protection from Dampness:	Proposed Ceiling Type:
PT Bottom Plate Poly / Sill Gasket	Proposed Ceiling Height: (NBC minimum noted)
Bedroom/Sleeping Room Window Types:	□ 2.1m (6'-11") □
☐ Slider □	Fireplace:
Bedroom Window Sizes:         (Note below as W" x H")           1         2         3	☐ Wood Burning (stove or insert) ☐ (Submit manufacturer's installation specifications with application)
Bedroom Window Unobstructed Opening: 123 (Openable partian must not be loss than 0.25m <sup>2</sup> (2.8 ft2) in area with no	Smoke Alarm Installed In:
1       2       3         (Openable portion must not be less than $0.35m^2$ (3.8 ft²) in area, with no dimension less than 380mm (15"), and must have 760mm (30") minimum clearance space in the window well when window is in the open position.)         Door Sizes (W" x H") and Quantity (note below) $24" \times 78"$ $30" \times 78"$ $32" \times 78"$	Bedroom(s)       Hallway       Common Area         Carbon Monoxide (CO) Alarms Installed:
1 2 3 (Openable portion must not be less than 0.35m <sup>2</sup> (3.8 ft <sup>2</sup> ) in area, with no dimension less than 380mm (15"), and must have 760mm (30") minimum clearance space in the window well when window is in the open position.) <b>Door Sizes</b> (W" x H") <b>and Quantity</b> (note below)	<ul> <li>Bedroom(s) Hallway Common Area</li> <li>Carbon Monoxide (CO) Alarms Installed:</li> <li>In Bedroom(s) Within 16' of each bedroom door</li> <li>Proposed Bathroom:</li> </ul>



## **ENERGY EFFICIENCY COMPLIANCE FORM**

Section 9.36. of the National Building Code of Canada (NBC)

Submit the design option section(s) for a new building, addition or major alteration to comply to NBC 9.36.

# All calculations must be completed by a <u>competent person</u>\* and be attached to this form to be considered complete and accepted for review.

\* <u>Competent Person</u> means a person, firm or corporation who is knowledgeable and experienced in the application of NBC Section 9.36. for the design of buildings and/or building systems.

Owner Name:		Permit Number (Office Use):
Project Address:		
Occupancy Type:	Floor Area (m²)	Climate Zone 7A

Design Option: Prescriptive Complete Section 'A'	Comple	<b>Trade-Off</b> te Sections 'A & B'	Performance Complete Section 'C'
Section A (Part 1): Prescriptive         HRV:       Yes         No	□ Window 8	nformation that must & door schedule mbly calculations	be submitted for review: ☐ Air tightness drawings ☐ CSA F280 calculations
Effective Thermal Resistance of Ab	ove Ground Opaq	ue Building Assem	blies (RSI)
Assembly	w/ HRV	w/o HRV	Proposed
Ceilings below attics	8.67	10.43	
Cathedral / Flat roofs	5.02	5.02	
Wall joists	2.97	3.08	
Rim joists	2.97	3.08	
Floors over unheated spaces	5.	02	
Floors within garage	4.	86	
<b>Thermal Characteristics of Fenestra</b>	ation, Doors and S	skylights (U)	
Assembly		iency	Proposed
Windows & Doors	Maximum U-Value		
(provide window & door schedule) One door exception	Minimum Energy F Maximum U-Value		
Attic hatch	Minimum RSI <sub>eff</sub>	2.60	
Skylights	Maximum U-Value		
Effective Thermal Resistance of Be			d Onaque
Building Assemblies (RSI)		one 7A is 2.4 m (8 ft.) ]	
Assembly	w/ HRV	w/o HRV	Proposed
Foundation Walls	2.98	3.46	
Slab-On-Grade with Integral Footing	2.84	3.72	
Unheated Floor Below Frost Line	uninsulated	uninsulated	
Unheated Floor Above Frost Line	1.96	1.96	
Heated Floors	2.84	2.84	
Contact information for parson who	a ampleted Section		

Contact information for person who completed Section A (Part 1 of 2):				
Firm Name:	Ph: Date:			
Person Name:	Ema	il:		



## Section A (Part 2): Prescriptive

Equipment	Capacity K	N Standard	Min. Efficiency	Proposed	
Gas Fired Furnace	<u>&lt;</u> 65.9	CSA P.2	AFUE <u>&gt;</u> 92%		
(w or w/o A/C)	> 65.9 & <u>&lt;</u> 117	.23 CAN/CSA-P.	8 Et ≥78.5%		
Electric Boiler	<u>&lt;</u> 88		(1)		
	<u>&lt;</u> 88	CSA P.2	AFUE ≥ 90%		
Gas Fired Boiler	> 88 & <u>&lt;</u> 117.2	23 AHRI BTS	Et ≥ 83%		
Other					
Heat <b>Loss</b> Calculations (BTU)	Calculations w	ere prepared in conforman	ce with CSA F280 standards		
Heat <b>Gain</b> Calculations (BTU)	Calculations w				
Nomenclature	AFUE= annual fuel	utilization efficiency, $E_t$ = th	ermal efficiency		
Water Heater Perfe	ormance Require	ments			
Equipment	Capacity KW	Standard	Min. Efficiency	Proposed	
	<u>&lt;</u> 12 kW		SL <u>&lt;</u> 35 + 0.20V (top inlet)		
	(50 L to 270 L capacity)		$SL \leq 40 + 0.20V$ (bottom inlet)		
Tank Storage	<u>&lt;</u> 12 kW	CAN/CSA-C191	SL ≤ (0.472V) - 38.5 (top inlet)		
(Electric)	(>270 L and <a></a> 454 L capacity)		SL <u>&lt;</u> (0.472V) - 33.5 (bottom inlet)		
	>12 kW (>75 L capacity)	ANSI Z21.10.3/CSA 4.3 & DOE 10 CFR, Part 431, Subpart G	S = 0.30 + 27 / V <sub>m</sub>		
Tank Storage	< 22 kW	CAN/CSA-P.3	EF ≥ 0.67 — 0.0005V		
(Gas Fired)	<u>&gt;</u> 22 kW	ANSI Z21.10.3/CSA 4.3	$E_t \ge 80\%$ and standby loss <a href="https://www.example.com">standby loss <a href="https://www.example.com"></a>standby loss <a href="https://www.example.com"></a>www.example.com</a>) (<math>\sqrt{V}</math>)</a></a></a></a>		
	<u>&lt;</u> 73.2 kW	CAN/CSA-P.7	EF <u>&gt;</u> 0.8		
Tankless (Gas Fired)	CanklessANSI Z21.10.3/CSA 4.3Gas Fired)> 73.2 kWand DOE 10CFR, Part 43I, Subpart G		E ≥ 80%		
Tankless (Electric)					
Other					
Nomenclature	$ \begin{array}{lll} \textbf{EF} = energy \mbox{ factor in \%/h,} & \textbf{E}_t = thermal \mbox{ efficiency} \\ \textbf{S} = standby \mbox{ loss in \%h,} & \textbf{SL} = standby \mbox{ loss in W,} \\ \textbf{V} = volume & \textbf{V}_m = measured \mbox{ storage volume in US gallons} \end{array} $				

(1) Must be equipped with automatic water temperature control. No standard addresses the performance efficiency; however, their efficiency typically approaches 100%.

Contact information for person who completed Section A (Part 2 of 2):					
Firm Name:		Ph:		Date:	
Person Name:		Email:			



## Section B: Trade Off

All calculations must be completed by a <u>competent person</u> and attached to this form in order to be considered complete and accepted for review. The location and extent of assemblies used in the calculation shall be clearly identified on the drawings by hatch or note.

Additional information that must be submitted for review:

□ Section A (Parts 1 & 2) completed in their entirety.

□ RSI assembly calculations indicating trade-off calculations.

- □ **Opaque to Opaque** One or more above-ground opaque building envelope assemblies are permitted to be less than required, provided one or more above-ground opaque building envelope assemblies are increased to more than required.
  - Walls and joist type roofs must maintain minimum 55% of the required RSI<sub>eff</sub>
  - All other assemblies must maintain minimum 60% of the required RSI<sub>eff</sub>
  - The sum of the areas of all traded assemblies divided by their RSI<sub>eff</sub> must be less than or equal to what it would have been if all assemblies had met NBC 9.36.2.6.
- □ **Transparent to Transparent** One or more windows are permitted to be less than required, provided one or more windows are increased to be more than required.
  - The traded windows must have the same orientation.
  - The sum of the areas of all traded windows divided by their RSI<sub>eff</sub> must be less than or equal to what it would have been if all windows had met NBC 9.36.2.7.
- Opaque to Transparent This option is meant to allow reduced insulation for factory-constructed buildings with a low floor to ceiling height and a fenestration and door area to gross wall area ratio of 15% or less.

Contact information for person who completed Section B:					
Firm Name:	e: Ph: Date:				
Person Name:		Email:			



## Section C: Performance (Page 1 of 2)

This option is available only to houses with or without secondary suites, and buildings that contain only dwelling units with common spaces that are less than 20% of the building's total floor area.

Full modelling summary reports for the reference and proposed house, completed by a competent person and generated from Hot 2000 v15 or an ANSI/ASHRAE 140 compliant software, is required to be submitted with this form to be considered complete and accepted for review.

Additional information that must be submitted for review:

□ Window & door schedule.

Building assembly details (i.e. thoroughly complete "**Proposed House - Building Assembly Details**" section below).

□ If less than 3.2 air exchanges are used in the proposed model, provide vapour barrier installation details.

□ Full modelling summary reports for Reference Model and Proposed Model.

Input Parameters		Reference Model	Proposed Model	
Airtightness (air exchanges p	per hour @ 50 Pa)			
Heat Loss / Heat Gain				
HRV efficiency				
Thermal mass (MJ/m <sup>20</sup> C)				
Ventilation rate (l/s)				
Fenestration and door to wal	ll ratio (FDWR) – reference (%)			
Direction of front elevation (h	ighlight or shade one in each column)	N NE E SE S SW W NW	N NE E SE S SW W NW	
Area of windows and doors	Front elevation (m <sup>2</sup> )			
	Rear elevation (m <sup>2</sup> )			
	Left elevation (m <sup>2</sup> )			
	Right elevation (m <sup>2</sup> )			
	Total area of windows (m <sup>2</sup> )			
	Total area of opaque doors (m <sup>2</sup> )			
Energy use (GJ)				

Proposed House - Building Assembly Details:								
		Framin	g		Insulation	Furnace Size:		
Ceiling:	" (	0.C.		R	-	Furnace Rating:		
Exterior Wall:	2" x	@	" o.c.	R	-	Water Heater:		
Tall Wall:	2" x	@	" o.c.	R	-	HRV:	□ Yes	□ No
Foundation Wall:	2" x	@	" o.c.	R	-	Air Conditioner:		
Floor Headers:				R	-	Air Barrier (NBC):		
Cantilever/Bonus Rm:	2" x	@	" o.c.	R	-	Attic Hatch:		
Slab:	□ None	□ Int □	Ext / (1.2m)		thick -	Doors (U-Values):		
Cladding Type:						Windows:		
Comments:						(List all U-Values)		



## Section C: Performance (Page 2 of 2)

Software Information					
Software Title:		Version:			
Is software Hot 20	000 v15 or ANSI/ASHRAE 140 compliant?	□ Yes	□ No		

Contact information for person who completed Section C:					
Firm Name:		Name:			
Address:		Phone:			
Address:		Email:			
I hereby certify that the calculations submitted were prepared in full accordance with the operation procedures of the software and: Subsection 9.36.5. of NBC 2015, EnerGuide Rating System v15 w/ variance greater than or equal to 5% above the Reference Model (attach supporting documents) Alternative Solution – Specify:					
(attach supporting documents)					
Date		Signature			