

Standard Building Permit Package

Please review the following prior to submitting documentation for a Standard Building Permit

Civic	Address of Standard Building Project:
	Home Owner Protection Office paperwork submitted
	All applications submitted pertaining to your project to be completed in full:
	Application for Standard Building Permit
	Application for Solar Hot Water Development Permit
	Owner's Declaration
	Application for Plumbing Permit
	Water Turn On/Off Application
	Plot Plan submitted showing all setbacks and driveway access.
	Two sets of plans submitted showing all changes, if any (ie are all window sizes and locations correct, building dimensions correct?)
	Erosion Sediment Control Plan
Foun	<u>dation</u>
	Standard forms
	Styrofoam form system;
	Pile & grade beam
	Preserved wood foundation
	Other

Gara	ge Foundation
	Standard forms
	Styrofoam form system;
	Pile & grade beam
	Preserved wood foundation
	Other
Floor	System
	Standard floor joist
	TJI engineered floor
	Engineered layout submitted
<u>Tr</u>	russ Documents
	Professional Engineered and stamped with seal submitted
	Truss layout submitted
Plu	umbing and Heating
	Heat loss calculations
	Plumbing isometric drawings submitted showing sizes and locations of drainage pipes, water pipes and fixtures
<u>De</u>	eck Foundations
	Concrete piles
	Steel screwed piles
	☐ If deck is covered, Schedules B ₁ & B ₂ attached from Professional Engineer
En	nergy Advisor – Pre-Built Design
	Energy Step Code Report
	BC Step Code & Required Information on the Plans

The Building Department has up to 10 business days to process a Standard Building Permit. Incomplete applications may result in your permit(s) being delayed.



City of Fort St. John 10631 100 Street | Fort St. John, BC | V1J 3Z5 (250) 787 8150 City Hall (250) 787 8181 Facsimile

THE CITY OF FORT ST. JOHN BUILIDNG BY LAW NO. 2589, 2024

FORM AApplication for Standard Building Permit

Plan Processing Fee:		For Office Use Only:
 □ New Construction - \$150.00 OR □ Addition/Renovation Up to 50m² - \$90.00 □ Addition/Renovation 51m² or Larger- \$120.00 		Receipt No.
Owner's Information:		
Name: (please print):	Email Address:	
Contact Number:	Fax:	-
Address:		
Applicant's Information:		
Name: (please print):	Email Address:	
Contact Number:	Fax:	
Address:		
Required Information:		
Civic Address of Property:		
Name of Authorized Agent (if applicable):		
3. Type of Building: ☐ SFD ☐ Duplex ☐ Manufactured H		
4. Type of Work: ☐ New Construction ☐ Addition ☐ Ali		
5. Value of Construction will be \$		
Declaration:		
I HEREBY AGREE to indemnify and keep harmless the City of Fo judgments, costs and expenses of whatsoever kind which may i consequence of and incidental to, the granting of this permit, if of the Building Bylaw and all other statutes and bylaws in force	n any way occur against the s issued, and I further agree to	aid City and its employees in
Signature of Owner/ Agent:		
Printed name of Owner/ Agent:		Date:
Please include two (2) copies of the plan of the pro One (1) copy of the plot plan is		ion or renovation.
For Office Use Only:	Dall Noushau	Zanina
Legal Description:	Roll Number	Zoning
Lot Bk Plan Building Area: Building Footprint: ft ² Second Stor	ev: ft² Tota	
Value of Construction: Total ft²x = \$	•	r \$1000 value of construction): \$
Damage Deposit: \$	Landscaping and Paving De	posit: \$
Standard Building Permit Approved by:	Date Approved:	Building Permit No.:



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FORM C

OWNER'S DECLARATION

	BUILDING PERMIT No.					
	DATE:					
Owner's* Information:						
Owner Name: (Please print)	Owner's Address:					
Owner Phone Number:	Civic Address of Property to Which Permit(s) is Sought:					
Owner Email Address:	Legal Description:					
	Lot Block: Plan:					
Owner's Appointment of an Agent (if app I declare that I am the Owner to the above refere hereby authorize:	enced property and in accordance with PART ONE to the City's Building Bylaw, I					
Agent Name: (Please print)	Agent's Mailing Address					
Agent's Contact Phone Number:	Agent's Contact Email Address:					

* If there is more than one Owner for the subject property described above, the Owner named above acts on behalf of all other Owners.

Duties and Responsibilities:

As Owner, I HEREBY AGREE to the following duties and responsibilities as set out below, as directed by the City of Fort St. John that include, but are not limited to;

- 1. Every Owner shall ensure that all construction compiles with the Building Code, the City's Building Bylaw and all other applicable enactments as amended from time to time.
- 2. Every Owner to whom a permit is issued is responsible for the cost of repair(s) to damage to any municipal property that occurs during construction as authorized by that permit. Upon receipt of written notice from the City of damage or deficiencies to municipal property, the City shall undertake the repair(s) of the said property. The City will then deduct the cost incurred from the damage deposit in accordance with PART FOUR 88 of the City's Building Bylaw. If the cost of repairs to municipal property is greater than the damage deposit provided, the Owner shall pay the amount of the insufficiency to the City forthwith upon receipt of the City's invoice for that amount as per PART FOUR 88 of the City's Building Bylaw.
- 3. Deliver to the Building Inspector, records of the results of any tests of materials, if the tests are made to ensure conformity with the requirements of the Building Code or of the City's Building Bylaw.
- 4. The Owner shall give at least 24 hours notice to the City when requesting or scheduling an inspection. Requests may be made by calling City Hall at 250-787-8150 between 8:30am to 4:30pm Monday to Friday.

5. The following inspections are required:

Footings (prior to pouring concrete)
Foundation (prior to pouring concrete and survey required before inspection)
Services
Pilings
Grade Beam
Weeping Tile/ Damp Proofing/ Drain Rock
Underslab Plumbing (with air or water test)
Slab Seal
Rough In Plumbing (with air or water test)
Framing (prior to insulation/ siding and all plumbing/ mechanical and electrical work completed)
Insulation and Vapour Barrier (prior to all wall finishes)
Final Inspection for Occupancy Permit

- 6. When required, a Building Inspector may request the uncovering of previously covered work, at the Owner's expense, to ensure a proper inspection is performed and approval is attained.
- 7. Shall post the civic address on a property in a visible location at all times.
- 8. All material and equipment must be stored on your own property at all times.
- 9. Sidewalks and roadways must be kept clear of all mud and debris, and be cleaned daily.
- 10. All applicable City of Fort St. John bylaws must be followed and adhered to.

Declaration:

I HEREBY AGREE that neither the granting of a permit, nor the approval of the drawings and specifications, nor inspections made by the Building Inspector, shall in any way relieve the Owner from full responsibility for carrying out or having the work carried out in accordance with the Building Code, the City of Fort St. John Building Bylaw or any bylaws or statutes and regulations relating to any work or undertaking in respect of which this application is made.

I have read and understand the above:						
Owner's Declaration is executed by the Owner this_	day	of	, 20			
	(day)	(month)	(year)			
Owner's Signature:		Witness's Signature:				
Owner's Name (print):		Witness's Name (print):				
Authorized Agent Signature: (if applicable)		Witness Signature:				
Authorized Agent Name (print):		Witness Name (print):				

The City of Fort St. John is committed to protecting your privacy. Any personal information you provide to us is collected pursuant to 26(c) and 26(e) of the *Freedom of Information and Protection of Privacy Act* for the purpose of administering City services. If you have any questions about the collection of this personal information, please contact the Corporate Officer at 250-787-8150.



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THE CITY OF FORT ST. JOHN BUILDING BYLAW NO. 2589, 2024

FORM D

Application for Plumbing Permit

Owne	er's Information:		.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,					
C	Owner Name: (please print)				Owner's Address:			
C	Owner Phone Number:				Fax:			
C	Owner's Email Address:							
Appli	cant's Information:							
C	Owner Name: (please print)			Owner's Add	ress:			
C	Owner Phone Number:			Fax:				
C	Owner's Email Address:							
Requi	ired Information:							
-	Civic Address of Property:							
	Name of Contractor:				TQ#			
	Contractor Phone: () _				E-mail:			
4. (Class of Work: ☐ New ☐ F	Renovation						
5. F	Plumbing Fixtures to be Installe	ed or Repaired:						
1	Toilets	6	Floor Drains		11	L G. Traps		
2	Bath or Showers	7	Hot Water Ta	nks	12	2 Other		
3	Lavatories	8	Auto Washer	S				
4	Sinks	9	Urinals					
5	Laundry Trays	10	Sumps					
Т	otal Number of Fixtures:		_	•	•	•		
Decla	ration:							
judgi cons build	REBY AGREE to indemnify an ments, costs and expenses of equence of and incidental to, thing Bylaw and all other statute.	f whatsoever ki the granting of t es and Bylaws ir	nd which may his permit, if is not not continuous in the Ci	in any way oo sued, and I fur	ccur against the sa ther agree to confo	id City and its	employees in	
_	ature of Owner/ Authorized Ag	gent:						
	red Name:			Da	ite:			
	ffice Use Only:				D-II Noveler			
Lega	al Description:				Roll Number:			
Lot	Bk Pla	ın						
Plun	nbing Permit Fee:							
Tota	al Number of Fixtures		x \$6.00 + \$6	0.00 = \$				
Plun	nbing Permit Approved by:			Date Approv	ed:	Plumbing Per	mit No.:	



Water Turn On/Off Application

Request 72 hours in advance for service Monday to Friday 8am-5pm

O	:					Date:		
Owner Information Owner(s)						Address:		
First and I	_ast N	Name		Street Addres	S	City	Prov	Postal Code
Home Phone		Cellular		Fax			Email	
Property Inform	atio	on						
		f Subject Prop	perty		Legal D	Description of Su	bject Prope	rty
				Lot:		Block:	Plan:	
	Street	t Address		Roll Nur	nber:			
				II.				
Services Reque	ste	d						. 10
Service "X"			New Service	Existing Service	Number of Units		Isolation Retice to all re	
Turn On		Residential	0011100	0011100	Of Office	211111100	iloo to all ro	<u>Jidoi 1000</u>
Turn Off		Commercial						
Off & On		Industrial						
Emergency		Institutional						
Reason for Application: Declaration I hereby agree to abide by the Water Regulation Bylaw and to pay the fees set out in Schedule E of the said Bylaw.								
							Phone:	
Signature of Owner/ Applicant				Printe	d Name of Ov	wner/ Applicant	Date:	
Picked Up By:			Ph	one #:				
Signature:			Er	nail:				
Office Use Only								

Connection Approval:	/ / Day Month Year
Meter Installation Approval:	
Date On: / / / Year	Date Off: / / / Day Month Year
Completed by:	
Utility Account No.	

Fees	Circle	Payment Details/ Stamp		
Turn On	\$45			
Turn Off	\$45			
Emergency \$250 On Demand \$250				
Receipt No.				
Fees pursuant to Schedule E of the Water Regulation Bylaw and its amendments				

Heat Load Worksheet Square Foot Method

Date	Job #
Job address	
<u> </u>	

	Calculate Dwelling Heat Load =	eted by			_
STEP 1:	Calculate Dwelling Heat Load =				
		BTUH/sq. ft. Heat Load Factor)	=	BTUH	A
STEP 2:	If home has a heated crawlspace, calculate Crawlspa	ce Heat Load =			
		BTUH/ sq. ft. e Heat Load Factor)	=	втин	В
STEP 3:	Base Heat Load @ 55°F DTD (Box A + 1	Box B = Box C)	=	втин	C
STEP 4:	Multiply Base Heat Load (Box C) by Regional Temp factor from Design Temperature Chart.	erature Adjustment (RTA)	x		D
STEP 5:	Regionally Adjusted Base Heat Load (Box C X Bo	=	BTUH	E	
STEP 6:	Add thermostat Setback Pick-up factor of 10%.				
	0.10 XBTUH in Box	. Е	=	втин	F
STEP 7:	If Dwelling heated with hot-water appliance, skip ST	EP 8; proceed to STEP 9.			
STEP 8:	Add heat load due to outdoor air brought in for combo with 4" Ø duct and directly connected to R.A. Plenur Add 3000 BTUH times RTA factor (Box D) =	n	=	втин	G
STEP 9:	Add Box $E + F + G =$				H
	Total BTUH for Applian	ce Selection	=	BTUH	_,

DWELLING HEAT LOAD Btuh/sq.ft. @ 55°F D		TOR	
Dwelling Type—Duct location		ACH R	ate
The December	.5	.75	1
All HEATED areas including basement Ducts in conditioned space	14	16	18
All HEATED areas over heated crawl- space—Ducts in conditioned space	15	17	19
All HEATED areas slab-on-grade construction—Ducts in conditioned space	17	19	21
Ducts or piping in unconditioned space or in concrete slab	19	21	23

CRAWLSPA Btul		55°F DTD							
Crawlspace	wlspace ACH Rate								
Height	.5	.75	1						
2'	5	6	7						
3'	7	8	9						
4'	8	9	10						
5'	10	11	12						

ACH Rates for standard, new constuction:

Use .5 ACH for dwelling in unexposed site. Use .75 ACH in moderately exposed site.

Use 1 ACH in exposed site.

1

Ventilation Checklist 1—Forced Air Systems Sentence 9.32.3.4(2)

Use this Checklist where forced air heating system ducts intake and distribute ventilation air.

			J					
Civic Addres	S				Per	rmit No		
Climate Zone	Climate Zone: Number of Bedroo			window (minimum			oom with an openable dimensions apply), a	
	Total	Floor area of living space		ft ² (B)	closet and a clo	osing interio	r door.	
	Total Into	erior Volume of Dwelling		ft ³	Total volume spaces (includi		heated interior ce if heated).	
.5 ACH (air	changes/h	r) = Volume x $0.5 \div 60 =$		cfm (C)	Exhaust applia .5 ACH may re			
1. Principal V	/entilation	System Exhaust Fan M	linimum .	Air-flow I	Rate			
determine		from Box (A) and Total squ			x (B) above an			
Minim	num Kequ	iired Prinicpal Exhaust S	System C	apacity		cfm (D)	
2. Principal S	•							
a) Exhaust F	an contin	uous running Make		Model_		Sone	e Rating	
				pacity [_			
Location: _				0.2 ESP _	cfm	(E) Mus	$t be \ge than Box (D)$	
3. Fan Duct S	Size and E	Equivalent Length	If C	CEV, capacı	ty @0.4ESP			
a) Installed		_						
		ft + Ext. hood 30 ft + (ft (F)	
b) Choose t	• I				or Rigid	(smooth)	duct	
		flow Box E cfm through I		ivalent ler	ngth of duct	= [
Use Tabl	e 9.32.3.8	(3) to determine duct size	e.				in Ø	
_		nd Bathroom Exhaust Fa		st below it	f Principal Ex	xhaust Fa	n meets all or	
part of Kitche		m spot Exhaust requireme						
	REQUIRED	EX	CHAUST E	QUIPMEN	Γ			
	EXHAUST RATE	Spot Exhaus			L/CEILING FA		Ex.Fan/CEV	
DOOM	Table	Fan Make & Model	CFM	*Duct Sizin	g per Table 9.32	2.3.8.(3)	Principal	

	REQUIRED	I	EXHAUST EQUIPMENT							
	EXHAUST RATE	Spot Exha	ust Kitcher	& Bath	WALL	/CEILING	FANS	Ex.Fan/CEV		
ROOM	Table 9.32.3.6	Fan Make & Model	CFM @ 0.2 ESP Manf.	Duct D		Max. Equiv.	9.32.3.8.(3) Installed Equiv.	Principal System CFM		
			Rated	rigid	flex	Length per table	Length			
* For fan capa	cities exce	e ding 175cfm in Table 9.3	2 3 8(3) f	ollow n	nanufa	rturer's	TOTAL			

^{*} For fan capacities **exceeding** 175cfm in Table 9.32.3.8(3), follow manufacturer's installation instructions or use good engineering practice to size duct. See *Ventilation Guidelines* Appendix page 16-A, *Duct Sizing for Larger Fans*. © March 2015 TECA All Right

(must = Box E)

 $\hbox{@ March 2015 TECA All Rights Reserved} \ \ Checklist \ 1, pg1of2 \\$

Removed reference to RADON in Make-up Air Requirements

5. Fresh Air must be ducted from outside to Return Air of Forced Air Heating for distribution.a) Ventilation air duct is connected not more than 15ft, nor less than 10ft upstream of the heating appliance, unless a flow control
device is used. b) Duct Size for Fresh Air intake to RA. Choose one. Rigid Duct: 4" Ø minimum, must be insulated & vapour barriered for full length, OR Flex Duct: 5"Ø minimum, must be insulated & vapour barriered for full length.
c) Furnace fan continuous operation. 6. Forced Air Heating System is ducted to supply air to every bedroom and any level without a bedroom.
7. If Heated Crawlspace present, (Choose one)
Minimum of one RA grille located in the crawlspace, OR No RA grille in crawlspace, choose ventilation Option 1, 2, or 3 per sentence 9.32.3.7 (2)
MAKE-UP AIR Requirements
1. NAFFVA (Naturally Aspirated Fuel Fired Vented Appliance) present in dwelling unit? (per Sentence 9.32.4.1) No, Omit Steps 2 & 3 Yes, Proceed to Step 2
 2. Exhaust Appliance present which exceeds Box C 0.5 ACH: No such appliance. Omit Step 3 Yes, Commit to Depressurization Test (See CAUTION, TECA Vent Manual pg 24)
Yes, Proceed to Step 3
3. Use Active Make-up Air for Exhaust Appliance. (Choose a or b)
Make-up Air Fan required: Exhaust Appliance Actual Installed Cfm Fan Make Model Make-up Air Fan Cfm
Duct diameter inches Fan Location
Fan interconnected with exhaust appliance fan. a) Active Make-up Air delivered to an Unoccupied Area first (not directly to room containing the appliance). i) Tempering Required per 9.32.4.1.(4)(a): Show calculation how make-up air will be tempered to at least 34°F (1°C) before entering unoccupied area.
Make-up Fan cfm X 1.08 X (34° F – °F Winter Design Temp your location) = (kw)
3412 BTUH/kw Duct Heater
ii) Transfer Grill Required: Size 1 sq in of gross area per 2 cfm: Transfer grill sizesq. in. Location
iii) Additional Tempering Required per 9.32.4.1.(4)(b) before transfer to occupied area: Show calculation and describe how make-up air will be further tempered to at least 54°F (12°C).
Make-up Fancfm x 1.08 x (54° F -34° F) =(kw) Heat from unoccupied area
3412 BTUH/kw required to raise temp by 20°F
Tempered by:
OR b) Active Make-up Air delivered to an Occupied Area: Tempering Required. Show calculation how make-up air will be tempered to at least 54°F (12°C).
Make-up Fan cfm x 1.08 x (54° F –°F Winter Design Temp your location) = (kw)
3412 BTUH/kw Duct Heater
© March 2015 TECA All Rights Reserved
Installer Certification: 2012 TECA Ventilation
I hereby certify that the design and installation of the ventilation system complies with the 2012 B.C. Building Code, 2014 Section 9.32 Amendment.
Date
Print Name
Signature
Company
PhoneChecklist 1, page2of2

2

Ventilation Checklist 2—HRV Systems Sentence 9.32.3.4 (3) & (4)

Use this checklist when a centrally ducted HRV (heat recovery ventilator) is used alone or in combination with a Forced Air Heating System to meet principal ventilation system requirements.

Civic Address		Permit No
Climate Zone: Number of Bedrooms	(A)	A bedroom is a room with an openable window (minimum dimensions apply), a
Total Floor area of living space	ft ² (B)	closet and a closing interior door.
Total Interior Volume of Dwelling	ft^3	Total volume includes all heated interior spaces (including crawlspace if heated).
.5 ACH (air changes/hr) = Volume x $0.5 \div 60 = $	cfm (C)	Exhaust appliances exceeding .5 ACH may require make-up air.
1. Use the bedroom count (Box A above) and tota minimum principal Air Flow rate required by Ta		(Box B above) to determine the
	num Required Ra	te cfm (D)
2. HRV Make N	-	
3. HRV Capacity: CFM @ 0.4 ESP. Box E must me	et Box D requirement.	cfm (E)
4. List Exhaust Grilles Locations: 1 minimum @	6 ft or higher from	n floor of uppermost level.

5. Required Kitchen and Bathroom Exhaust

If HRV used to meet all or part of Kitchen/Bathroom spot exhaust requirements list below.

ROOM RATE Table 9.32.3.6 Fan Make & Model Principal Spot Exhaust Kitchen & Bath WALL/CEILING FANS Amanf. Rated Rated		REQUIRED	I	EXHAUST EQUIPMENT							
ROOM Table 9.32.3.6 Fan Make & Model CFM @ 0.2 ESP Manf. Pated Pated Tigid flex Tigid Tigid		EXHAUST RATE	Spot Exhau	ust Kitcher	n & Bath	n WALL	/CEILING	FANS	HRV		
9.32.3.6 Duct Dia (in Ø) Max. Equiv. Installed Equiv. System CFM Patent Pa	ROOM	Table	Fan Make & Model								
	1100111	9.32.3.6		Manf.			Length per		System CFM		

^{*} For fan capacities **exceeding** 175cfm in Table 9.32.3.8(3), follow manufacturer's installation instructions or use good engineering practice to size duct. See *Ventilation*

TOTAL (must = Box E)

Guidelines Appendix page 16-A, Duct Sizing for Larger Fans. © March 2015 TECA All Rights Reserved Checklist 2, pg1of2

${\it Removed \ reference \ to \ RADON \ in \ Make-up \ Air \ Requirements}$

6. HRV Fresh Air Distri	bution (Choose a or b)		
			ced Air Heating System:
•	V fan continuous operati		
-	apply air to every bedroo		vel without a bedroom
11 0	RV distributed indeper	•	
•	om and each floor level v	vitnout a bedroom a	and
HRV fan continuous o	peration ace present, (Choose one	2)	
	ir System RA grille located in		
	e, choose ventilation Option 1,		32.3.7 (2)
MAKE-UP AIR Requir			
1. NAFFVA (Naturally Aspira	ted Fuel Fired Vented Appliar	nce) present in dwellin	g unit? (per Sentence 9.32.4.1)
No, Omit Steps 2 & 3 Yes, Proceed to Step 2			
2. Exhaust Appliance presen	t which exceeds Box C 0.5 A	CH:	
No such appliance. Omit			
	rization Test (See CAUTION,	TECA Vent Manual pg	g 24)
Yes, Proceed to Step 3		• .	
3. Use Active Make-up Air for Make-up Air Fan required:	Exhaust Appliance. (Choose	a or b) Evhauet Appliance	Actual Installed Cfm
Fan Make	Model	Exhaust Apphance	Actual Installed Cfm Make-up Air Fan Cfm
Duct diameter	inches Fan L	ocation	
	– <i>exhaust appliance fan</i> . Fan d		
a) Active Make-up Air deliver i) Tempering Required per	ered to an Unoccupied Area 9.32.4.1.(4)(a):	first (not directly to roo	
wiake-up ran cini	3412 B		$\frac{\text{your location})}{\text{Duct Heater}} = \frac{\text{(kw)}}{\text{Duct Heater}}$
ii) Transfer Grill Required:			zesq. in. Location
iii) Additional Tempering F	Required per 9.32.4.1.(4)(b) be	fore transfer to occupie	ed area: Show calculation and describe
-	be further tempered to at least	2.40=	
Make-up Fa	nncfm x 1.08 x (54° F	$-34^{\circ}F) = _{-}$	(kw) Heat from unoccupied area
	3412 BTUH/kw		required to raise temp by 20°F
Tempered by: ———			
OR b) Active Make-up Air d be tempered to at least		a: Tempering Require	ed. Show calculation how make-up air wil
*	x 1.08 x (54° F °	F Winter Design Temp	your location)
-	3/12 RTII		= (kw) Duct Heater
© March 2015 TECA All Rights	Reserved 5-12 B10.	11/KW	Duct Treater
Installer Certification:			2012 TECA Ventilation
I hereby certify that the design complies with the 2012 B.C. I			Certification Stamp
compiles with the 2012 B.C. I	Junuing Code, 2014 Section 9	.52 Amendment.	
Date			
Daint Mana			
Print Name			
Signature			
Company			
Phone			
Checklist 2, pg2of2			

Ventilation Checklist 3—Distributed CRV Systems Sentence 9.32.3.4(5)

Use this Checklist when a ducted Central Recirculating Ventilator (CRV) is used to meet the fresh air intake and distribution requirements and a Principal Exhaust fan meets the exhaust requirements

		on requirements which will	merpur Emme		moots the children of	
Civic Address					Permit No.	
Climate Zone	:	Number of Bedrooms		(A)	A bedroom is a room w window (minimum dime	nsions apply), a
	Total	Floor area of living space	ea of living space ft^2 (B)			or door.
	Total Inte	erior Volume of Dwelling	ft ³		Total volume includes al spaces (including crawlspa	
.5 ACH (air c	hanges/h	r) = Volume x $0.5 \div 60 =$	cfm	(C)	Exhaust appliances exceed .5 ACH may require make	
1. Princinal V	entilation	n System Exhaust Fan M	linimum Air-f	low F	Rate	
-		from Box (A) and Total squ				.32.3.5. to
Minim	um Requ	iired Prinicpal Exhaust	System Capac	ity	cfm (D)
2. Principal Sy	vstem Fa	n Choice				
	,	uous running Make	M	odel	Son	e Rating
,		8	 Capacit	v –		8
Location:			at 0.2 E	•	$\operatorname{cfm}(E)$ Must be ≥ 1	than Box (D)
					ty @0.4ESP	
3. Fan Duct Si	ze and E	Equivalent Length	II CL V, V	ираст	ty © 0.1ESI	
a) Installed l		_			Γ	
*		ft + Ext. hood 30 ft + (# elbows	at 10	ft each =) =	ft (F)
b) Choose ty					or Rigid (smooth)	duct
		to flow Box E cfm throug				
*	-	(3) to determine duct size	-		8	in Ø
		nd Bathroom Exhaust F		low it	f Principal Exhaust Fa	n meets all or
-		m spot Exhaust requirement			Timopai Zimast T	
•	Required	<u> </u>	THAUST EQUIP	MENT	Γ	
	EXHAUST				L/CEILING FANS	Ex.Fan/CEV
	RATE	Fan Make & Model			g per Table 9.32.3.8.(3)	Principal Principal
ROOM	Table 9.32.3.6	raii wake & wiouei	@ 0.2 ESP Duct Dia	a (in Ø)	Max. Equiv. Installed Equiv.	System CFM
			iviaili.	n /	Length per Longth	1

	REQUIRED	E	EXHAUST EQUIPMENT								
	EXHAUST RATE	Spot Exhau	ıst Kitcher	& Bath	WALL	/CEILING	FANS	Ex.Fan/CEV			
ROOM	Table	Fan Make & Model	CFM @ 0.2 ESP	*Duc	t Sizing	-	9.32.3.8.(3)	Principal			
ROOM	9.32.3.6		Manf. Rated	Duct Di rigid	flex	Max. Equiv. Length per table	Installed Equiv. Length	System CFM			

^{*} For fan capacities **exceeding** 175cfm in Table 9.32.3.8(3), follow manufacturer's installation instructions or use good engineering practice to size duct. See Ventilation Guidelines Appendix page 16-A, Duct Sizing for Larger Fans. © March 2015 TECA All Rights Reserved

TOTAL (must = Box E)

Checklist 3, pg1of2

Removed reference to RADON in Make-up Air Requirements

5. CRV Fresh Air Intake & Mixi a) Box G CFM is minimum 2 to				ogian tanananatuwa	
b) Box G CFM is minimum 2 is					
Make			_	inperature.	
c) Duct Size for Fresh Air intal			0.4 ESP	cfm	(G)
Min 4"Ø rigid duct, must be Min 5"Ø, flex duct, must be	•		-		
6. CRV Fresh Air Circulation (C	Choose a or b)				
a) Draw air from bedrooms and b) Draw air from common area					
7. If Heated Crawlspace present	t				
Choose ventilation option 1, 2. MAKE-UP AIR Requirement		.32.3.7 (2).			
1. NAFFVA (Naturally Aspirated No, Omit Steps 2 & 3		appliance) pres	ent in dwelling	g unit? (per Sentence	9.32.4.1)
Yes, Proceed to Step 2					
2. Exhaust Appliance present wl No such appliance. Omit Ste		2 0.5 ACH:			
Yes, Commit to Depressurizate Yes, Proceed to Step 3	tion Test (See CAU	TION, TECA V	ent Manual pg	24)	
3. Use Active Make-up Air for Ex	haust Appliance. (C	Choose a or b)			
Make-up Air Fan required:		Exha	ust Appliance	Actual Installed Cf	
Fan Makeind	Model		_ N	lake-up Air Fan Cf	m
Fan interconnected with exha a) Active Make-up Air delivered i) Tempering Required per 9.32 Show calculation how make	to an Unoccupied 2.4.1.(4)(a):	Area first (not	directly to roo	m containing the app	pliance).
Make-up Fan cfm X	X 1.08 X (34° F – _	°F Winter	Design Temp y	your location)	=(kw)
	3	3412 BTUH/kw	7		Duct Heater
ii) Transfer Grill Required: Size	ired per 9.32.4.1.(4)	(b) before tran	sfer to occupie		
how make-up air will be fu Make-up Fan	cfm x 1.08 x ((1) II4 f	
Wake up I an _	3412 BTUH/k		=		m unoccupied area
				required to i	raise temp by 20°F
Tempered by: OR b) Active Make-up Air deliv	ered to an Occupio			d. Show calculation	how make-up air wil
be tempered to at least 54°. Make-up Fan cfm x		°F Winter	Design Temp y	your location)	
© March 2015 TECA All Rights Res		BTUH/kw	Design Temp		(kw)
Installer Certification:	3412	Z B I UH/KW			ouct Heater
I hereby certify that the design and	d installation of the	ventilation syst	em	2012 TECA V Certification	
complies with the 2012 B.C. Build				Certificatio	n Stamp
Date					
Print Name					
Signature					
Company					
Phone					
Phone Checklist 3, pg2of2					



Ventilation Checklist 4—Exhaust Fan & Passive Inlets Sentence 9.32.3.4(6)

Use this checklist for small (≤ 1800 sqft), single level, **non-forced air** heated dwellings located in *mild*

Civic Addres		e interior cumutes where		uesign	temp		Permit No		
Civic Addres					1	1	CIIIII 110		
Climate Zone	e:	Number of Bedrooms	S		(A)	window (m	A bedroom is a room with an opena window (minimum dimensions apply)		
	Total 1	Floor area of living space	÷	ft²	(B)	closet and a	closing interior	door.	
	Total Inte	erior Volume of Dwelling	5	ft ³			ne includes all	heated interior ce if heated).	
.5 ACH (air	changes/h	$r) = Volume x 0.5 \div 60 =$	=	cfm	(C)	* *	oliances exceedi y require make-	_	
1 Duin ain al V	Vantilation	System Exhaust Fan N	/inima						
Use the bedr determine	room count	from Box (A) and Total sq	uare foo	tage fro	m Box				
	-	iired Prinicpal Exhaust	System	Capac	city		cfm (I	O)	
2. Principal S	•			1.	r. 1.1		C	Dadin.	
a) Exnaust F	an contin	uous running Make		IVI Capacit			Sone	Rating	
Location:				t 0.2 E	•	cf	m (E) Mu	st be \geq than Box (D)	
		quivalent Length				ty @0.4ESI	P		
a) Installed Length of b) Choose to c) Duct size	Equivalent of ducttype of duct e required	tt Length:ft + Ext. hood 30 ft +	gh Box 1	Flex	duct [or Rigi	id (smooth)	ft (F) duct in Ø	
		nd Bathroom Exhaust F		-list be	low if	Principal	Exhaust Fa	·	
-		m spot Exhaust requirem				1			
	Required	E	XHAUST	EQUIP	MENT	,			
	EXHAUST RATE	Spot Exhaus						Ex.Fan/CEV	
ROOM	Table 9.32.3.6	Fan Make & Model	CFM @ 0.2 ESP Manf. Rated	*Duct Di rigid			0.32.3.8.(3) Installed Equiv. Length	Principal System CFM	
* For fan capa	cities excee	eding 175cfm in Table 9.32	.3.8(3), f	follow m	nanufa	cturer's	TOTAL		

installation instructions or use good engineering practice to size duct. See Ventilation

(must =

Box E) Guidelines Appendix page 16-A, Duct Sizing for Larger Fans. © March 2015 TECA All Rights Reserved Checklist 4, pg1 of 2

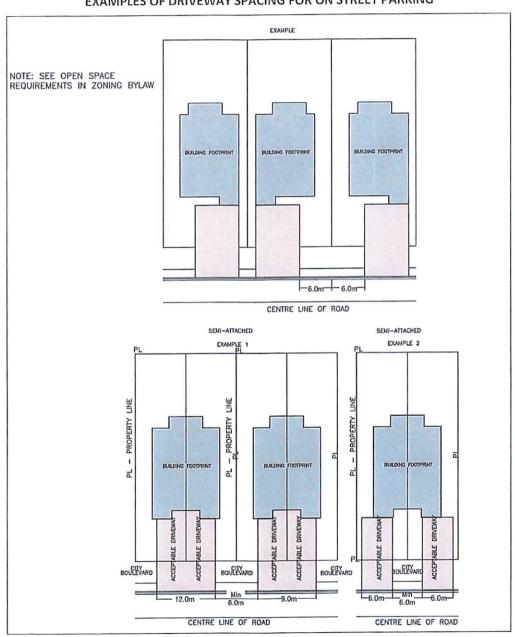
Removed reference to RADON in Make-up Air Requirements 5. Required Inlets for passive Ventilation Air Supply a) High wall installation (minimum 6 ft above floor) b) Located in each bedroom and at least one common area c) Inlet Free Area greater than or equal to 4 Sq In 6. If Heated Crawlspace present Choose ventilation option 1, 2, or 3 per sentence 9.32.3.7 (2). **MAKE-UP AIR Requirements** 1. NAFFVA (Naturally Aspirated Fuel Fired Vented Appliance) present in dwelling unit? (per Sentence 9.32.4.1) No, Omit Steps 2 & 3 Yes, Proceed to Step 2 2. Exhaust Appliance present which exceeds Box C 0.5 ACH: No such appliance. Omit Step 3 Yes, Commit to Depressurization Test (See CAUTION, TECA Vent Manual pg 24) Yes, Proceed to Step 3 3. Use Active Make-up Air for Exhaust Appliance. (Choose a or b) -up Air Fan required: Exhaust Appliance Actual Installed Cfm ______ Fan Make _____ Model ____ Make-up Air Fan Cfm ______ Make-up Air Fan required: Duct diameter inches Fan Location _____ Fan interconnected with exhaust appliance fan. Fan ducted to a) Active Make-up Air delivered to an Unoccupied Area first (not directly to room containing the appliance). i) Tempering Required per 9.32.4.1.(4)(a): Show calculation how make-up air will be tempered to at least 34°F (1°C) before entering unoccupied area. Make-up Fan cfm X 1.08 X (**34°** F – °F Winter Design Temp your location) = (kw)3412 BTUH/kw ii) Transfer Grill Required: Size 1 sq in of gross area per 2 cfm: Transfer grill size sq. in. Location iii) Additional Tempering Required per 9.32.4.1.(4)(b) before transfer to occupied area: Show calculation and describe how make-up air will be further tempered to at least 54°F (12°C). Make-up Fan ____cfm x 1.08 x ($\mathbf{54}^{\circ}$ F -34° F) = ____(kw) Heat from unoccupied area 3412 BTUH/kw required to raise temp by 20°F Tempered by: — OR b) Active Make-up Air delivered to an Occupied Area: Tempering Required. Show calculation how make-up air will be tempered to at least 54°F (12°C). Make-up Fan cfm____ x 1.08 x (**54° F** – _____°F Winter Design Temp your location) = _____ (kw) 3412 BTUH/kw **Duct Heater** © March 2015 TECA All Rights Reserved **Installer Certification: 2012 TECA Ventilation** I hereby certify that the design and installation of the ventilation system **Certification Stamp** complies with the 2012 B.C. Building Code, 2014 Section 9.32 Amendment. Phone Checklist 4, pg2 of 2



The City of Fort St. John SUBDIVISION AND DEVELOPMENT SERVICING BYLAW Bylaw No. 2405, 2021 Schedule B – Highways, Lanes and Trails

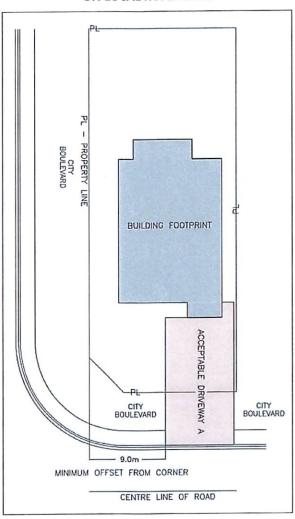
- B 2.0 DESIGN CRITERIA
- B 2.07 Driveway Access (continued)

FIGURE B.2
EXAMPLES OF DRIVEWAY SPACING FOR ON STREET PARKING



- B 2.0 DESIGN CRITERIA
- B 2.07 Driveway Access (continued)

FIGURE B.1 DRIVEWAY OFFSET FROM CORNER LOT ON LOCAL ROAD ONLY



- .2 Single Detached, Semi-Attached and Duplex:
 - .1 Minimum Driveway Access width shall be 3.0 metres;
 - .2 Maximum Driveway Access width shall be 9.0 metres, except in the case of:
 - .1 small Parcel zones where maximum Driveway Access width is 6.0m; and