

Energy Efficiency Design Summary

(Part 9 Residential)

This form is used to summarize the energy efficiency design of the project. Information on completing this form is on the reverse

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. Compliance Option

<input type="checkbox"/> SB-12 Prescriptive [SB-12 - 2.1.1.]	Table: Package: A B C D E F G H I J K L M (circle one)
<input type="checkbox"/> SB-12 Performance* [SB-12 - 2.1.2.]	* Attach energy performance calculations using an approved software
<input type="checkbox"/> Energy Star®* [SB-12 - 2.1.3.]	* Attach BOP form
<input type="checkbox"/> EnerGuide 80®*	* House must be evaluated by NRCan advisor and meet a rating of 80

C. Project Design Conditions

Climatic Zone (SB-1):		Heating Equipment Efficiency:		Space Heating Fuel Source:		
<input type="checkbox"/> Zone 1 (< 5000 degree days)	<input type="checkbox"/> ≥ 90% AFUE	<input checked="" type="checkbox"/> Gas	<input type="checkbox"/> Propane	<input type="checkbox"/> Solid Fuel		
<input checked="" type="checkbox"/> Zone 2 (≥ 5000 degree days)	<input type="checkbox"/> ≥ 78% < 90% AFUE	<input type="checkbox"/> Oil	<input type="checkbox"/> Electric	<input type="checkbox"/> Earth Energy		
Windows+Skylights+Glass Doors:			Other Building Conditions:			
Gross Wall Area = _____ m ²	% Windows+ _____ %	<input type="checkbox"/> ICF Basement	<input type="checkbox"/> Walkout Basement	<input type="checkbox"/> Log/Post&Beam		
Gross Window+ Area = _____ m ²		<input type="checkbox"/> ICF Above Grade	<input type="checkbox"/> Slab-on-ground			

D. Building Specifications [provide values and ratings of the energy efficiency components proposed, or attach Energy Star BOP form]

Building Component	RSI / R values	Building Component	Efficiency Ratings
Thermal Insulation		Windows & Doors¹	
Ceiling with Attic Space		Windows/Sliding Glass Doors	
Ceiling without Attic Space		Skylights	
Exposed Floor		Mechanicals	
Walls Above Grade		Space Heating Equip. ²	
Basement Walls		HRV Efficiency (%)	
Slab (all >600mm below grade)		DHW Heater (EF)	
Slab (edge only ≤600mm below grade)		NOTES 1. Provide U-Value in W/m ² .K, or ER rating 2. Provide AFUE or indicate if condensing type combined system used	
Slab (all ≤600mm below grade, or heated)			

E. Performance Design Verification [complete applicable sections if SB-12 Performance, Energy Star or EnerGuide80 options used]

SB-12 Performance:
 The annual energy consumption using Subsection 2.1.1. SB-12 Package _____ is _____ GJ (1 GJ = 1000MJ)
 The annual energy consumption of this house as designed is _____ GJ
 The software used to simulate the annual energy use of the building is: _____
 The building is being designed using an air leakage of _____ air changes per hour @50Pa.

Energy Star: BOP form attached. The house will be labeled on completion by:

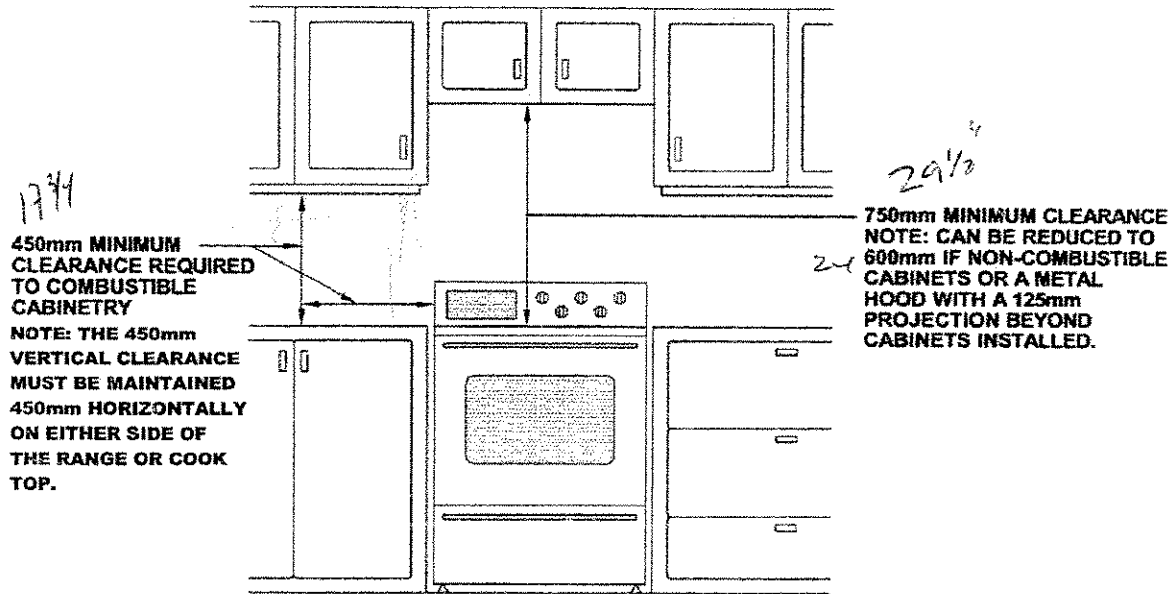
Energy Star and EnerGuide80:
 Evaluator/Advisor/Rater Name: _____ Evaluator/Advisor/Rater Licence #: _____

F. Designers [names of designers who are responsible for the building code design and whose plans accompany the permit application]

Architectural	Mechanical
---------------	------------

Re: CLEARANCES AROUND RANGES

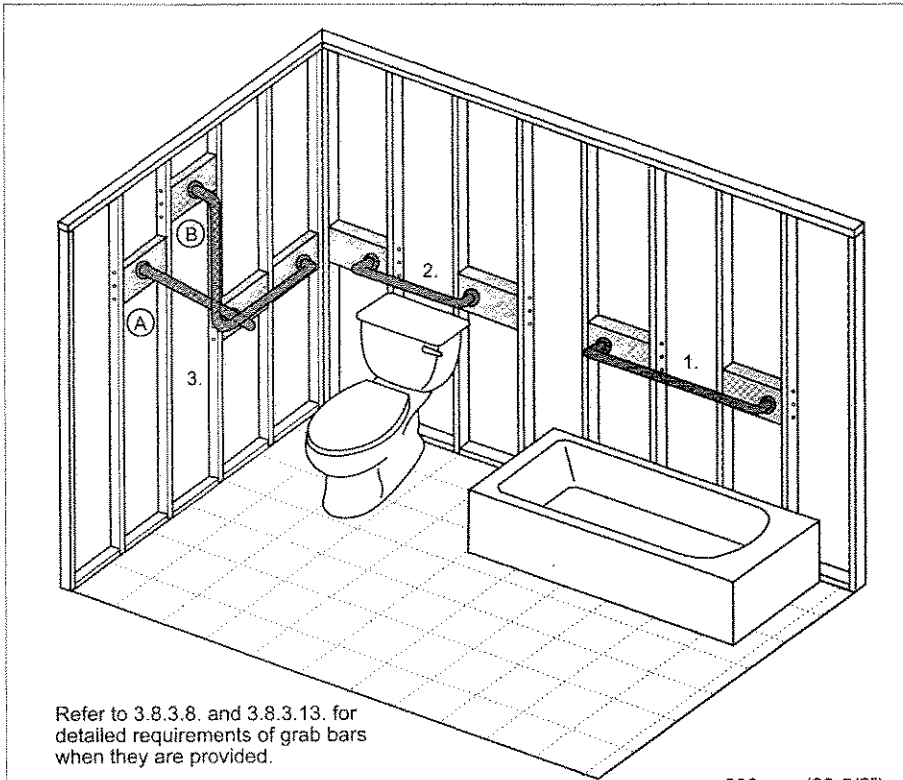
9.10.22 of the Ontario Building Code requires clearances above and around gas, propane and electric ranges as illustrated below.



Please ensure your kitchen cabinet installers are aware of these required clearances and adhere to them.

REINFORCEMENT FOR FUTURE GRAB BAR INSTALLATION

Wall reinforcement is required for wood stud walls enclosing a main bathroom in a dwelling unit to permit the future installation of a grab bar. The same requirements apply to steel stud walls. Grab bar reinforcement must be installed on a wall adjacent to a water closet and a shower or bathtub where wall studs are used to enclose the main bathroom to permit the future installation of grab bars. The main bathroom in a house refers to the common bathroom and not a powder room or ensuite. Refer to Figure 7.23 for more details.



Refer to 3.8.3.8. and 3.8.3.13. for detailed requirements of grab bars when they are provided.

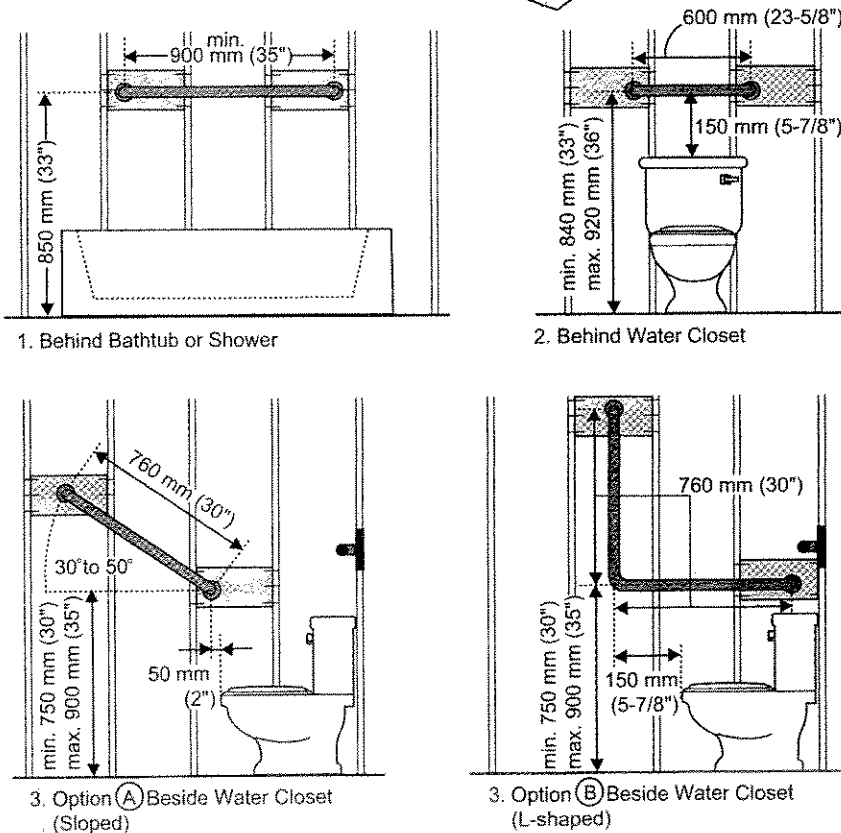


Figure 7.23
Reinforcement for Future Installation for Grab bars

(9.5.2.3.)