

Solar Collector Installations on Part 3 Buildings Documentation Submission Checklist

A. Project Information

B. For use by City of Ottawa		
Application No:	Date Received:	
Building permit applications for the installation of solar collector systems on roofs of P drawings and other applicable documents which clearly describe the proposed constr required to be provided along with the building permit application and documentatic approval of the submitted documentation.	art 3 Buildings are to be accompanied ruction. This checklist identifies inforr on. Completion of this checklist does	d by this submission checklist, nation and confirmations not ensure automatic
C. Design Load Information For Solar Collector Assembly		
Section C shall be completed by the structural engineer responsible for the desig etc.). The design loads and compliance information indicated below are to be shown building permit application.	n of the solar collector system (layo on the drawings and / or documenta	out, racking, attachments, ition submitted with the
Items		P. Eng. Initial
 Loads associated with the weight of solar panels, racking system, ballast, elec appurtenant components. Snow Load: Snow load parameters Is, Ss, Sr, design snow load(s), S, and snow accumulatic applicable. Wind Load: Wind load parameters Iw, q1/50, cg, cp/cf and design wind load(s), p, used fo collector assembly components and their connections. Where the wind load has been established through experimental studies: i) Where the wind load has been established through experimental studies: ii) ii) iii) 	trical wiring and any other on diagrams and extent, where or the design of the various solar udies, provide: title, study reports, and uctural engineer based on the	
<i>Earthquake Compliance:</i> Note indicating that earthquake loads have been considered and the propose complies with the objectives of Article 4.1.8.18 of the 2012 Ontario Building C D. General Information to be Submitted	ed solar collector installation	
section Disnall be completed by the structural engineer responsible for the desig	in of the solar collector system (lay	out, racking, attachments,

 etc.). The information indicated below is to be shown on the drawings and / or documentation submitted with the building permit application.

 Items
 P. Eng. Initials

Roof plan showing layout of solar collector assembly.	
Typical cross-section including but not limited to panel dimensions, row spacing, overall height of system, tilt angle, and other pertinent information.	
Type and location of ballast and / or anchorage points, including anchorage details to existing structure.	
Note indicating that the solar panels and their connections (include manufacturer and model number) are structurally adequate to resist the indicated loads.	
Note indicating that the racking system (include manufacturer and model number) is structurally adequate to resist the indicated loads.	

Name of	professional	engineer:	(Please print)
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Name of consulting firm: (Please print)

Date: (Please print)

E. Verification of Existing Structure	
Section E shall be completed by the structural engineer responsible for the design of the solar collector system (layout etc.). The information indicated below are to be shown on the drawings and/or documentation submitted with the building p	t, racking, attachments, permit application.
Items	P. Eng. Initials
The structural engineer responsible for the verification of the existing structure confirms that the design load criteria, as specified in Section C, are appropriate for the local climatic conditions.	
An evaluation of the building components affected by the proposed solar collector installation has been carried out.	
Construction details which require field verification have been clearly identified on the drawings.	
Upgrading works for the building structure have been included on the drawings, where applicable.	
Note indicating that the effect of the solar panel installation on the existing snow distribution has been evaluated.	
All existing structural members and connections affected by the proposed solar system installation have been reviewed for all applicable loads (including lateral loads) and meet (with upgrading works where applicable) the objectives of the 2012 Ontario Building Code.	
The function of the building for its intended use (serviceability) will not be adversely affected by the proposed installation, including roof drainage.	
Name of professional engineer: (Please print)	
Name of consulting firm: (Please print)	
Date: (Please print)	
F. Commitment to General Reviews	
Section F shall be completed by the structural engineer responsible for the general review of the solar collector system	n installation.
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