



EDINA COMMERCIAL BUILDING PERMIT APPLICATION CL05			
Application Submittal Requirements - Commercial Solar PV Systems		2020 MBC 1507.17, 1509.7, 1511, 3113. 2020 MSFC 605.11. MEC.	
Inspections Department		<i>[Signature]</i>	
CSPVSCL	09/04/2020	09/01/2018	1 of 2



**Purpose:** Establish submission requirements at the time of permit application to enable accurate, timely review.

**Scope:** All solar PV systems application submittals.

**Permit Cost Calculator:** [Commercial Solar PV System Estimated Permit Fee.](#)

**Instructions:** A licensed design professional must check the items submitted in the space provided and include a copy of the signed form with all plan submittals. The Building Inspections Department can be reached at 952.826.0372 from 7:30 a.m. - 4:30 p.m., Monday through Friday.

Site Address: \_\_\_\_\_

Required for Approval	Check if Submitted	General Items
Yes	<input type="checkbox"/>	1. Check box for specific code section(s) being used: <input type="checkbox"/> <a href="#">Section 1505.8</a> Photovoltaic systems. <input type="checkbox"/> <a href="#">Section 1507.17</a> Photovoltaic modules/shingles. <input type="checkbox"/> <a href="#">Section 1509.7</a> Photovoltaic systems. <input type="checkbox"/> <a href="#">Section 1511</a> Solar photovoltaic panels/modules. <input type="checkbox"/> <a href="#">Section 3113</a> Solar photovoltaic power systems; general.
May be required - Check with Bldg Dept	<input type="checkbox"/>	2. Section 1505.8 Photovoltaic systems provisions: <input type="checkbox"/> Identify fire classification in accordance with Section 1505.1 if solar PV system is adhered or attached to the roof covering or PV module/shingles are installed as roof coverings.
May be required - Check with Bldg Dept	<input type="checkbox"/>	3. Section 1507.17 Photovoltaic modules/shingles provisions: <input type="checkbox"/> Section 1507.17.1 Material standards. Shall meet UL 1703, provide listing. <input type="checkbox"/> Section 1507.17.2 Attachment. Provide manufacturer's installation instructions. <input type="checkbox"/> Section 1507.17.3 Wind resistance. Shall meet ASTM D3161. Shall comply with Table 1507.2.7.1(2).
May be required - Check with Bldg Dept	<input type="checkbox"/>	4. Section 1509.7 Photovoltaic systems provisions: <input type="checkbox"/> Section 1509.7.1 Wind resistance. Shall be design for wind loads for component and cladding in accordance with Chapter 16. <input type="checkbox"/> Section 1509.7.2 Fire classification. Shall have same fire classification as the roof assembly required by Section 1505. <input type="checkbox"/> Section 1509.7.3 Installation. Provide manufacturer's installation instructions. <input type="checkbox"/> Section 1509.7.4 Photovoltaic panels and modules. Shall meet UL 1703, provide listing.
Yes	<input type="checkbox"/>	5. Section 1511 Solar photovoltaic panels/modules provisions: <input type="checkbox"/> Section 1511.1 Solar photovoltaic panels/modules. Shall comply with requirements of this code. <input type="checkbox"/> Section 1511.1.1 Structural fire resistance. Structural frame and roof construction shall comply with Table 601.

Yes	<input type="checkbox"/>	<p>6. Section 3113 Solar photovoltaic power systems; general provisions:</p> <p><input type="checkbox"/> Section 3113 Solar photovoltaic power systems; general. Shall be installed in accordance with this part and Minnesota Rules, Chapter 1315, Minnesota Electrical Code.</p> <p><input type="checkbox"/> Exception: Check if installing on a nonhabitable Group U structure. Shall not be subject to the requirements of this part. Minnesota Rules, Chapter 1315, applies.</p> <p><input type="checkbox"/> Section 3113.1 Access and pathways. Show accordance with Sections 3113.1 through 3113.3. State exceptions if applicable.</p> <p><input type="checkbox"/> 3113.1.1 Roof access points. Show as applicable.</p> <p><input type="checkbox"/> 3113.1.2 Residential Systems for dwelling units.</p> <p><input type="checkbox"/> 3113.1.2.1 Residential buildings with hip roof lay-outs.</p> <p><input type="checkbox"/> 3113.1.2.2 Residential buildings with single ridge.</p> <p><input type="checkbox"/> 3113.1.2.3 Residential buildings with roof hips and valleys.</p> <p><input type="checkbox"/> 3113.1.2.4 Residential buildings smoke ventilation.</p> <p><input type="checkbox"/> Section 3113.2 Other than residential buildings. Access to systems for occupancies other than dwelling units shall be provided in accordance with Sections 3113.2.1 through 3113.2.1.2.</p> <p><input type="checkbox"/> 3113.2.1 Access.</p> <p><input type="checkbox"/> 3113.2.1.2 Pathways.</p> <p><input type="checkbox"/> Section 3113.3 Smoke ventilation. Show compliance with this section.</p> <p><input type="checkbox"/> Section 3113.4 Ground-mounted photovoltaic arrays.</p> <p><input type="checkbox"/> Check if applicable. Show compliance with this section.</p>
May be required - Check with Bldg Dept	<input type="checkbox"/>	7. Structural plans (if applicable).
May be required- Check with Bldg Dept	<input type="checkbox"/>	8. Completed <a href="#">Special Structural Testing and Inspection Schedule</a> and <a href="#">SSTIS Guidelines</a> (Note: SST&IS required for all med gas installations).
Yes	<input type="checkbox"/>	9. Completed contact list with names, phone numbers, email addresses and physical addresses of building owner, contractor, tenants and all design professionals.
Yes	<input type="checkbox"/>	10. <input type="checkbox"/> Solar PV system with a nameplate capacity <b>smaller</b> than 15kW. Indicate commercial solar PV system installation occurs in “front” of or “behind” the electric meter. Applicant must coordinate interconnection with local electric utility and provide proof of coordination. Edina is fully covered by <a href="#">Xcel Electrical Service Territory</a> . Front <b>METER</b> Behind
Yes	<input type="checkbox"/>	11. <input type="checkbox"/> Solar PV system with a nameplate capacity <b>larger</b> than 15kW. These larger systems may trigger electrical, voltage, mechanical and reliability issues on the electric grid. Indicate commercial solar PV system installation occurs in “front” of or “behind” the electric meter. Applicant must coordinate interconnection with local electric utility and provide proof of coordination. Edina is fully covered by <a href="#">Xcel Electrical Service Territory</a> . Front <b>METER</b> Behind

<u>Required for Approval</u>	<u>Check if Submitted</u>	<u>Plan Requirements</u>
Yes	<input type="checkbox"/>	12. All sheets are signed by the appropriate design professional.
Yes	<input type="checkbox"/>	13. Minnesota PE signed structural drawings required for all new live and dead loads imposed by the new PV arrays on buildings and/or roofs per Section 1604.2.
Yes	<input type="checkbox"/>	14. Name and address of building.
Yes	<input type="checkbox"/>	15. Description of occupancy/use.
Yes	<input type="checkbox"/>	16. IBC occupancy classification.

Yes	<input type="checkbox"/>	17. IBC construction type classification.
Yes	<input type="checkbox"/>	18. Direction indicator (North, South, East or West) with arrow.
Yes	<input type="checkbox"/>	19. Scale on each plan and/or detail.
Yes	<input type="checkbox"/>	20. Location of PV components.

<b>References</b>		
1.	<a href="#">Metropolitan Council - Solar Planning</a>	
2.	<a href="#">The Minnesota State Building Codes</a>	
3.	<a href="#">Minnesota Electrical Code</a>	
4.	<a href="#">2015 Minnesota Fire Code</a>	
5.	<a href="#">Solar America Boards for Codes and Standards</a>	
6.	<a href="#">Understanding the Cal Fire Solar Photovoltaic Installation Guideline</a>	
7.	<a href="#">Revisor of Statutes, Minnesota Administrative Rules 1325.1100 Solar Energy</a>	

Plans may be reviewed and approved by the Planning, Trees, Fire and Building Inspections Departments. Turn-around time on plan review for residential solar PV systems will be no more than fifteen business days after ePermit and Applicant Upload task in ProjectDox has been completed.

*I acknowledge that the items checked on the list above are included on or with the submitted plans:*

Licensed Design Professional Signature \_\_\_\_\_ Print Name \_\_\_\_\_  
 Work Phone \_\_\_\_\_ Cell Phone \_\_\_\_\_ Email \_\_\_\_\_  
 Company Name \_\_\_\_\_ Address \_\_\_\_\_ Zip \_\_\_\_\_  
 Date \_\_\_\_\_