EDINA COMMERCIAL BUILDING PERMIT APPLICATION CL05			
Application Submittal Requirements - Commercial Solar PV Systems subject			2015 MBC 1507.17, 1509.7, 1511, 3113. 2015 MSFC 605.11. MEC. code reference
Inspections Department department		 approval	
CSPVSCL policy number	07/31/2018 revision date	09/01/2018 effective date	1 of 2 page number

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	☐	1. Check box for specific code section(s) being used: ☐ Section 1505.8 Photovoltaic systems. ☐ Section 1507.17 Photovoltaic modules/shingles. ☐ Section 1509.7 Photovoltaic systems. ☐ Section 1511 Solar photovoltaic panels/modules. ☐ Section 3113 Solar photovoltaic power systems; general.
May be required - Check with Bldg Dept	☐	2. Section 1505.8 Photovoltaic systems provisions: ☐ 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	☐	3. Section 1507.17 Photovoltaic modules/shingles provisions: ☐ Section 1507.17.1 Material standards. Shall meet UL 1703, provide listing. ☐ Section 1507.17.2 Attachment. Provide manufacturer's installation instructions. ☐ 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	☐	4. Section 1509.7 Photovoltaic systems provisions: ☐ Section 1509.7.1 Wind resistance. Shall be design for wind loads for component and cladding in accordance with Chapter 16. ☐ Section 1509.7.2 Fire classification. Shall have same fire classification as the roof assembly required by Section 1505. ☐ Section 1509.7.3 Installation. Provide manufacturer's installation instructions. ☐ Section 1509.7.4 Photovoltaic panels and modules. Shall meet UL 1703, provide listing.
Yes	☐	5. Section 1511 Solar photovoltaic panels/modules provisions: ☐ Section 1511.1 Solar photovoltaic panels/modules. Shall comply with requirements of this code. ☐ Section 1511.1.1 Structural fire resistance. Structural frame and roof construction shall comply with Table 601.

Yes	☐	6. Section 3113 Solar photovoltaic power systems; general provisions: ☐ Section 3113 Solar photovoltaic power systems; general. Shall be installed in accordance with this part and Minnesota Rules, Chapter 1315, Minnesota Electrical Code. ☐ 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. ☐ Section 3113.1 Access and pathways. Show accordance with Sections 3113.1 through 3113.3. State exceptions if applicable. ☐ 3113.1.1 Roof access points. Show as applicable. ☐ 3113.1.2 Residential Systems for dwelling units. ☐ 3113.1.2.1 Residential buildings with hip roof lay-outs. ☐ 3113.1.2.2 Residential buildings with single ridge. ☐ 3113.1.2.3 Residential buildings with roof hips and valleys. ☐ 3113.1.2.4 Residential buildings smoke ventilation. ☐ 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. ☐ 3113.2.1 Access. ☐ 3113.2.1.2 Pathways. ☐ Section 3113.3 Smoke ventilation. Show compliance with this section. ☐ Section 3113.4 Ground-mounted photovoltaic arrays. ☐ Check if applicable. Show compliance with this section.
May be required - Check with Bldg Dept	☐	7. Structural plans (if applicable).
May be required- Check with Bldg Dept	☐	8. Completed Special Structural Testing and Inspection Schedule and SSTIS Guidelines (Note: SST&IS required for all med gas installations).
Yes	☐	9. Completed contact list with names, phone numbers, email addresses and physical addresses of building owner, contractor, tenants and all design professionals.
Yes	☐	10. ☐ Solar PV system with a nameplate capacity **smaller** 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 Xcel Electrical Service Territory. Front ◯ **METER** ◯ Behind
Yes	☐	11. ☐ Solar PV system with a nameplate capacity **larger** 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 Xcel Electrical Service Territory. Front ◯ **METER** ◯ Behind

Required for Approval	**Check if Submitted**	**Plan Requirements**
Yes	☐	12. All sheets are signed by the appropriate design professional.
Yes	☐	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	☐	14. Name and address of building.
Yes	☐	15. Description of occupancy/use.
Yes	☐	16. IBC occupancy classification.

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

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

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_____