Sample Solar PV
One Line Site Plan

Inverter, Breaker Box and REC Meter are located in the basement.

Inverter with DC Disconnect
Solar REC Meter
Main Breaker Panel

Utility Meter
Utility AC Disconnect
Wire Entry point
Under Array corner panel

Visible break AC disconnect located outside of building for emergency utility disconnect.

<table>
<thead>
<tr>
<th>Installation Company</th>
<th>Property Owner</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name</td>
<td>Address</td>
</tr>
<tr>
<td>Contact name</td>
<td>Drawing Number</td>
</tr>
<tr>
<td>Phone #</td>
<td>Revision</td>
</tr>
<tr>
<td>Installer Address</td>
<td>Month Day, Year</td>
</tr>
<tr>
<td>Town, NH</td>
<td>Drawn By: Name of</td>
</tr>
<tr>
<td></td>
<td>Designer</td>
</tr>
</tbody>
</table>
Sample Solar PV Attachment Details

Racking system is Uni-Rac, Solarmount with standard size rail.

Uni-rac supplies the lag screws and SS hardware necessary to ensure dissimilar metal compliance. Nowhere does the aluminum touch steel directly.

Type of sealant

All penetrations are sealed with Sikaflex 1A Polyurethane Elastomeric Sealant Adhesive

Only sealant will be used to seal penetrations and no flashings

<table>
<thead>
<tr>
<th>Installation Company Name</th>
<th>Property Owner Address</th>
</tr>
</thead>
<tbody>
<tr>
<td>Contact name</td>
<td>Drawing Number 101</td>
</tr>
<tr>
<td>Phone #</td>
<td>Revision 1</td>
</tr>
<tr>
<td>Installer Address</td>
<td>Month Day, Year</td>
</tr>
<tr>
<td>Town, NH</td>
<td>Drawn By: Name of Designer</td>
</tr>
</tbody>
</table>
Sample Solar PV
Electrical One Line

Design includes a total of 18 Isoltech 250W 1STH-250 solar panels. The inverter is powered by two strings of 9 solar panels.

Inverter
Solectria
PVI 4000
Inverter rated at 3.9 kW AC
Output Amps 16.3
Output Volts 240V
Single Phase

DC Capacity 4500 Watts STC
AC Capacity 3900 Watts AC

Net Meter
200A Main Breaker

AC Disconnect
GE 60A
NEMA 3R

Solar Meter

Bus bars 200A

Visible break AC disconnect located outside of building for emergency utility disconnect.

Building Grounding Electrode

To Building Loads

DC Wire Types
PV Wire - 10 AWG 90° C on roof
In conduit THWN-2 10 AWG 90°wire
Rails grounded with bare 8 awg
DC Grounding cable 6 awg bare or green
½ inch EMT Conduit

AC Wire Type
THWN-2 6 awg 90°wire
½ inch EMT Conduit

Note: Each DC Grounding cable will be 6 awg bare or green and connect to building grounding electrode.

Point of Interconnection Sticker 690.64
AC Operating Volts 240 V
Max Operating Current 18.3 A

Source Sticker NEC 690.63
Operating Current 16.3 A
Operating Voltage 277 V
Maximum System Voltage 480 V
Short Circuit Current 27.1 A

Installation Company
Name
Contact name
Phone #
Installer Address
Town, NH

Property Owner
Address
Drawing Number 101
Revision 1
Month Day, Year
Drawn By: Name of Designer

B-5