



Jeanie Bourke <jmb@portlandmaine.gov>

FW: Fischer Building Permit Additional Information

1 message

Paula E. Junkins <pbj@goggin.net>
To: Jeanie Bourke <jmb@portlandmaine.gov>
Cc: gdorsey@goggin.net

Tue, Nov 21, 2017 at 4:01 PM

Hi Jeanie,

Please see email below and attachments from Greg Dorsey, our design and install manager for additional details for Fischer, 71 Bradley Street. If you have any questions, please feel free to contact us.

Thank you,

Paula E. Junkins

Goggin Energy

22 Free Street Suite 300

Portland, ME 04101

[207.772.7557](tel:207.772.7557)www.gogginenergy.com**Turn on the power of nature**

From: Greg Dorsey [mailto:gdorsey@goggin.net]
Sent: Tuesday, November 21, 2017 3:11 PM
Cc: Paula Junkins <pbj@goggin.net>
Subject: Fischer Building Permit Additional Information

Hello Jeannie,

Here are the items that you requested for the Fischer permit application.

Scope of Work

Install 18 LG330E1C-A5, arranged in two rows of 9 modules each. The panels will be attached to IronRidge racking which will in turn be attached to the roof using EcoFasten SimpleSeal brackets. The modules have integrated Enphase IQ 6 micro-inverters that will be wired to a pass-through junction box mounted on the racking. From here the conductors will be run through conduit to an Enphase X-IQ-AM1-240-B combiner box in the basement that will be wired to the electrical service panel.

The roof and wind loads are outlined in the attached IronRidge.

The electrical work will be completed by Alan Eger, his master electrician license #MS60004590.

The Enphase IQ 6 micro-inverters do not require grounding electrode conductors (GEC) or equipment grounding conductors (EGC).

Rapid Shutdown

This product is UL Listed as PV Rapid Shut Down Equipment and conforms with NEC-2014 and NEC-2017 section 690.12 and C22.1-2015 Rule 64-218 Rapid Shutdown of PV Systems, for AC and DC conductors. Integrated micro-inverters are pre-wired to the solar modules so that AC current is in all wiring leaving the array. Disconnecting AC power supplied to the system will initiate Rapid Shut Down.

Material data sheets have been attached for the IronRidge mounting system and for the SimpleSeal brackets.

I believe this covers all of your requests but if there is further information that you need, please contact me.

Thank you,

Greg Dorsey

Goggin Energy

22 Free Street Suite 300





Portland, ME 04101

P: [207.772.7557](tel:207.772.7557)

M: [207.691.2968](tel:207.691.2968)

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4 attachments

-  **LG330E1C-A5 Neon2 AC.pdf**
1958K
-  **EcoFasten SimpleSealL-Foot Bracket for Metal Roof.pdf**
1910K
-  **Fisher IronRidge Report.pdf**
114K
-  **Enphase IQ6 and IQ6-plus Data Sheet.pdf**
200K