Module Specifications	
LG 365W LG365N2W-B3	
STC Rating	365.00 W
V_{MP}	38.6 V
I_{MP}	9.46 V
V_{OC}	48.4 V
I_{SC}	9.89 A
Temp Coeff. V_{OC} [%/°C]	-0.30%

Inverter Specifications	
SolarEdge 33.3kW SE33.3K-US	
Nominal AC Rating [W]	33300.0 W
Max Input V_{DC}	980.0 V
Nominal V_{AC} (L-L)	480.0 V
Max Output Current	40.0 A
CEC Efficiency	98.5%

Module-level DC Optimizer Specifications	
SolarEdge P730	
Rated Input DC Power	730.0 W
MPPT Range V_{DC}	12.5 to 105 V
Max Input V_{DC}	125.0 V
Max Input Current	11.00 A
Max Output V_{DC}	85.0 V
Max Output Current	15.0 A
CEC Efficiency	98.6%

Electrical Design Notes

- Installation shall comply with NEC 2014 and local codes.
- All equipment, components rated for use.
- All conductors are copper unless specified otherwise.
- System-wide voltage drop shall not exceed 5%.
- Lowest expected ambient temperature is based on ASHRAE Extreme Min for the specified location.
- Average high temperature is based on ASHRAE 2% Avg. for the specified location.
- Where conduit runs along rooftop it shall be not less than 3" from the roof surface.
- Inverter Location: In Electrical Room (Locked) on wall adjacent to Main Distribution Panel and Solar AC Combiner Panel.
- Transformer installation shall comply with NEC 450.3(B), 450.14, 240.4(F), 250.102(C)(1), 200.6(D), 250.30(A)(4)
- Conduit sizes are code minimum, and may be upsized in the field as necessary.

Inspections Division
Date: 12/29/16

142 Presumpscot Street
Portland, ME 04103
(207) 221-6342

Customer Name:

Maine Historical Society
1000 Riverside Street
Portland, ME 04103

System Type:

111.69 kW_{DC}
Grid Tied Photovoltaic Array

Designed by:	LB
Date:	December 19, 2016
Rev.	0

EQUIPMENT SPECIFICATIONS

E02

© Copyright ReVision Energy

This diagram is provided as a service and is based on the understanding of the information supplied. It is subject to change based on actual conditions, applicable edition of the National Electric Code, and local governmental authorities.