



**Photovoltaic Array Design Notes:**

Proposed Array: 19.52 kW, 64 Modules

Ground Mount Racking System  
 Module Type: ReneSola 305W JC305M-24/Ab  
 Module Dimensions: 77.01" x 39.06" x 1.57"

Dead Load of Solar Array: 2.75 psf  
 Wind Rating of Mounting System: 120 mph  
 Array Tilt: 40°; Array Azimuth: 225°

Dimensions of Array:  
 2 Rows of 32: 104'-3" x 9'-10"  
 Modules in Portrait (Columns of 2 High)  
 Inter-row Spacing: 19'-5"



142 Presumpscot Street  
 Portland, ME 04103

**19.52 kW Solar Photovoltaic System – Site Map**

Allen Ave Unitarian Universalist Church  
 524 Allen Ave, Portland, ME 04103

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