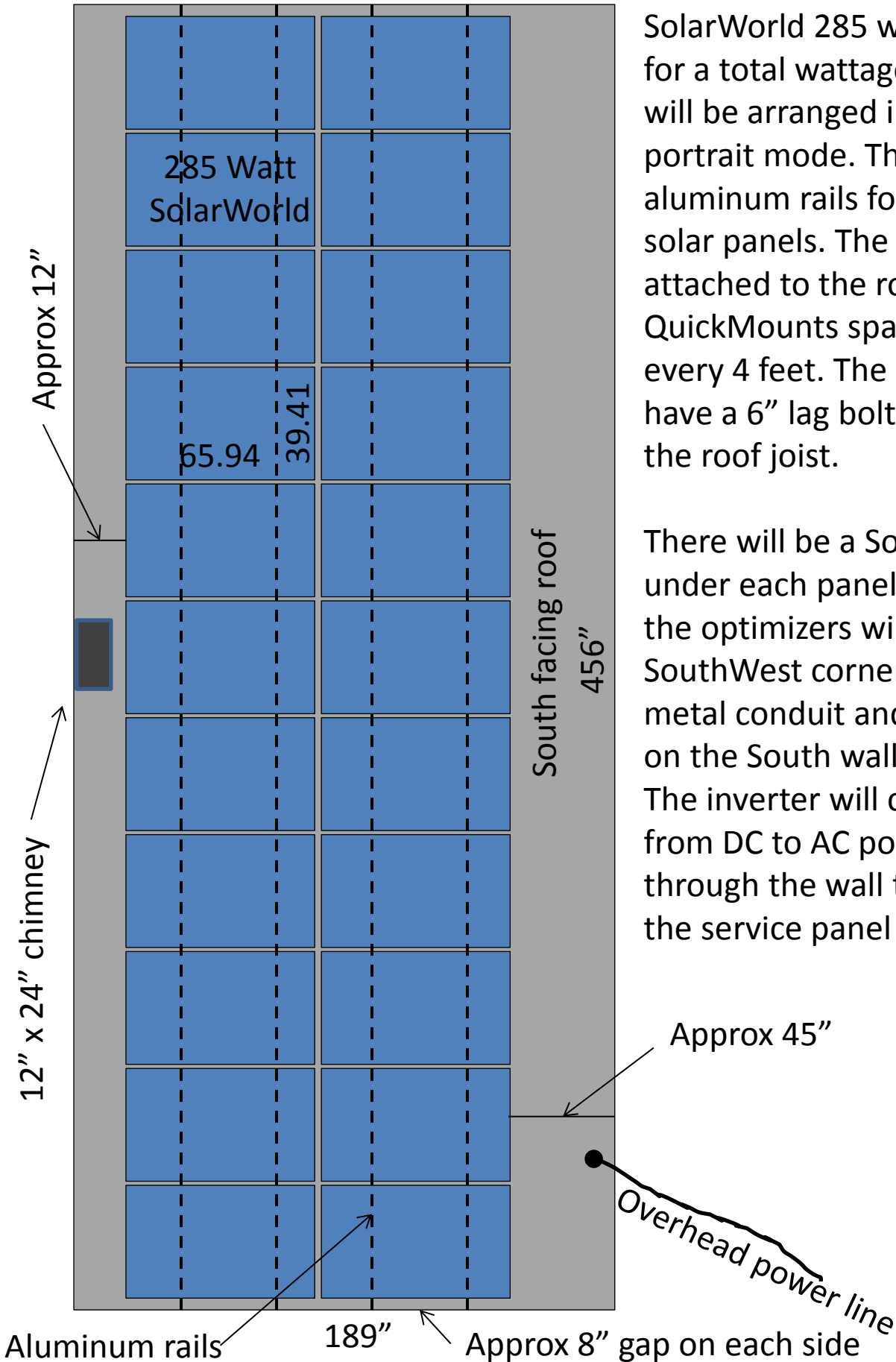


# 539 Maple Court



The solar installation will use 22 SolarWorld 285 watt solar panels for a total wattage of 6.3kW. They will be arranged in a 2x11 array in portrait mode. There will be two aluminum rails for each row of solar panels. The rails will be attached to the roof with PV QuickMounts space approximately every 4 feet. The PV QuickMounts have a 6" lag bolt that screw into the roof joist.

There will be a SolarEdge optimizer under each panel. The power from the optimizers will then go to the SouthWest corner of the roof in metal conduit and to an inverter on the South wall of the building. The inverter will convert the power from DC to AC power and go through the wall to a breaker in the service panel in the basement.