

Lopez Smolens Associates
Consulting Structural Engineers

October 30, 2015

To: Jon Sader
The RAQ, LLC
2885 Sanford Ave SW #31381
Grandville MI 49418
313-473-7271

Re: PV Rack Analysis
The RAQ, LLC
2885 Sanford Ave SW #31381
Grandville MI 49418



Engineering Project Number: J15538

Jon,

I have performed structural analysis of the RAQ PV racking system and find that both the 1 panel 4 leg and 3 panel 6 leg racks can support loading from 90 psf snow loads or 160 mph 3 second gust exposure C winds with the legs spaced at 48' and when installed as specified by the manufacturer. With 6 legs spaced at 24" on the 1 panel rack and 8 legs spaced at 24" on the 3 panel rack I find that the rack can support loading from 120 psf snow loads or 190 mph 3 second gust exposure C winds.

Please note that this only applies to the RAQ and not the roofs that they will be attached to. The roofs will have to be evaluated separately.

Let me know if you have any questions or need anything else.

Thank you,

Jonathan Smolens, PE