

## Wind Vented Roof Profile Durban Ave Elementary School – Hopatcong, NJ

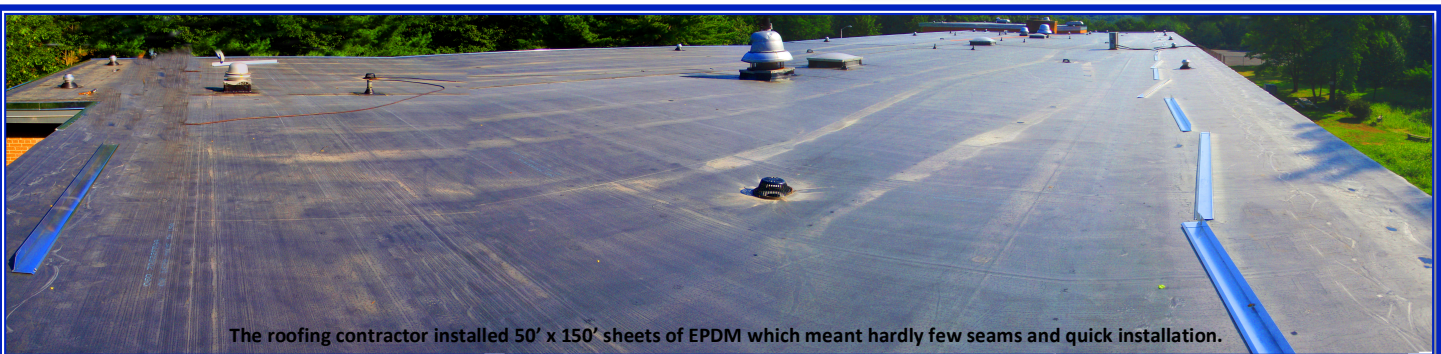
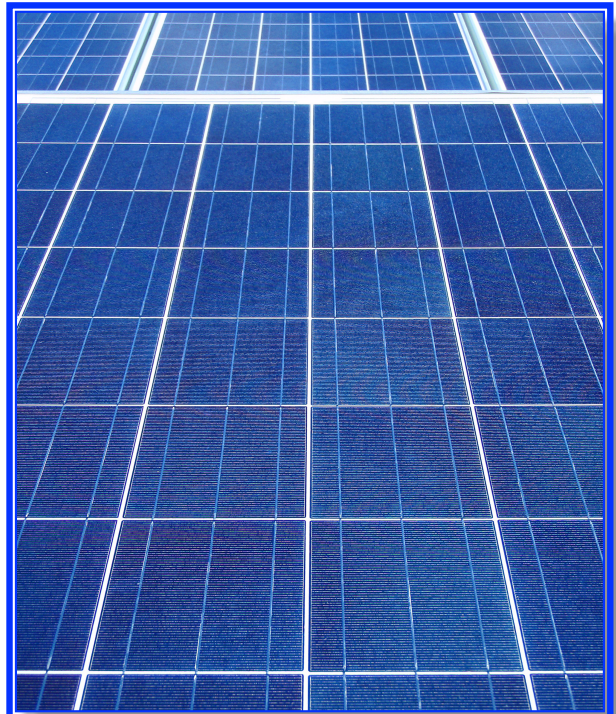


### 616 Durban Ave, Hopatcong, NJ

- Install Year: 2011
- Roof Area: 52,000 s/f
- Membrane: 60 mil EPDM
- Existing Roof: 2 layers

Notes: The Hopatcong Board of Education was facing a seemingly impossible situation in these days of fiscal belt-tightening. Two of their schools, Durban Ave Elementary and Hopatcong Middle School, were in dire need of new roofs, but there was no way to pay for them. Solar integrator *Sun Edison* stepped in and work began on developing a power purchase agreement that could provide for new roofs at no cost to the School District.

Unfortunately, both schools already had 2 old roof layers applied. Under newly adopted State building codes, both layers would have to be torn off and tapered insulation installed before they could be re-roofed with a new membrane. The cost of a tear-off, insulating and conventional re-roof would be more than double that of a simple roof. It appeared the project was dead.



The roofing contractor installed 50' x 150' sheets of EPDM which meant hardly few seams and quick installation.

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Fortunately, there was a solution: The **2001 Wind Vented Roof System**. *Hines & Associates* represents the only roof system that is permitted to cover 2 or more roof layers. Not only could the project move forward, the School District would have the highest performing roof system on their schools with 25 year warranties.

The roofing contractor installed 50' x 150' sheets of EPDM which allows for quick installation time and additionally provides greater security to the roof as there are few seams in the system.

Thanks to the versatility of the **2001 Wind Vented Roof System** the project resulted in the School District receiving 2 new roofs with comprehensive warranties at no cost, and realized an energy savings of over \$3 million of the 15-year term of the agreement.

