

QUADRAVENT® PROTECTED WIND-BALLASTED ROOF SYSTEMS



Benefits of a Quadravent®-Protected Wind Ballasted Roof System

- Ideal roof system for Buildings with **Concrete Roof Decks**
- **Does not require** fasteners or adhesives in field of the roof
- **Speeds up** the installation process considerably, reducing labor costs
- In many cases, the **existing roof can remain in place**, saving tear-off costs and reducing landfill deposits
- **Quiet installation**
- **Lightweight and durable**
- **Protects resale** – Reroofing this roof is a snap

REQUIRED BUILDING CODE TESTING AND CERTIFICATIONS

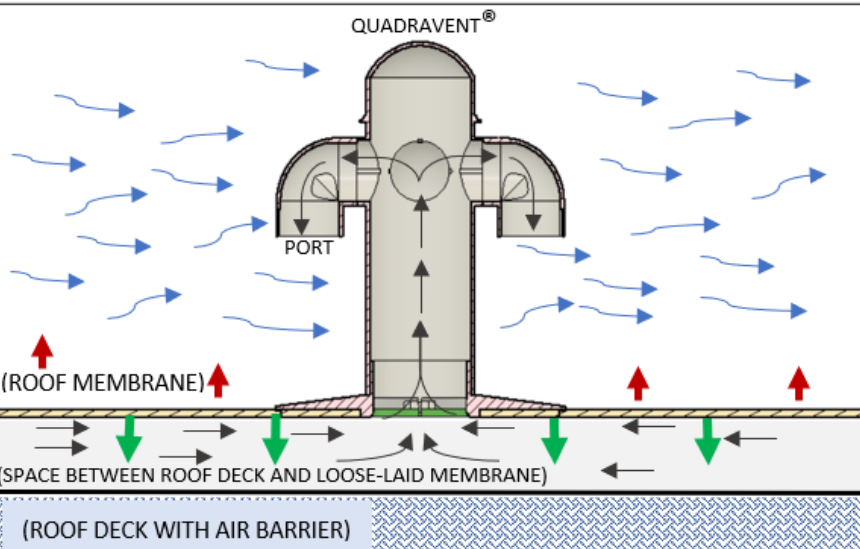
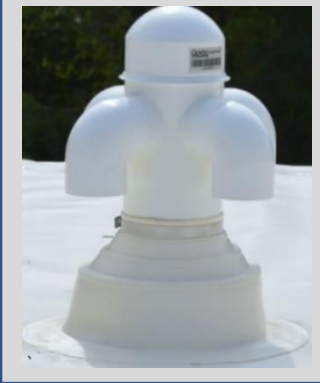
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



Certified to IBC -12, 15:
International Building Code®



UL1897-Tested
Passing Pressure = 345 PSF
(using 12x24 test bed)



HOW IT WORKS

The roof membrane is loose-laid over the field of the roof deck and fastened and air-sealed at the edges and at terminations, creating a sealed airspace between the roof deck and the membrane. Turbulent Wind () causes uplift pressure () on the membrane. At the same time, the Quadravent is designed to create low pressure from the wind at the ports. This low pressure is used to draw air from under the membrane () which creates suction pressure under the membrane () that counters the uplift pressure above the membrane (). The higher the velocity of the wind, the higher the suction that is created. **Compared to its competition, Quadravent creates superior suction power.**

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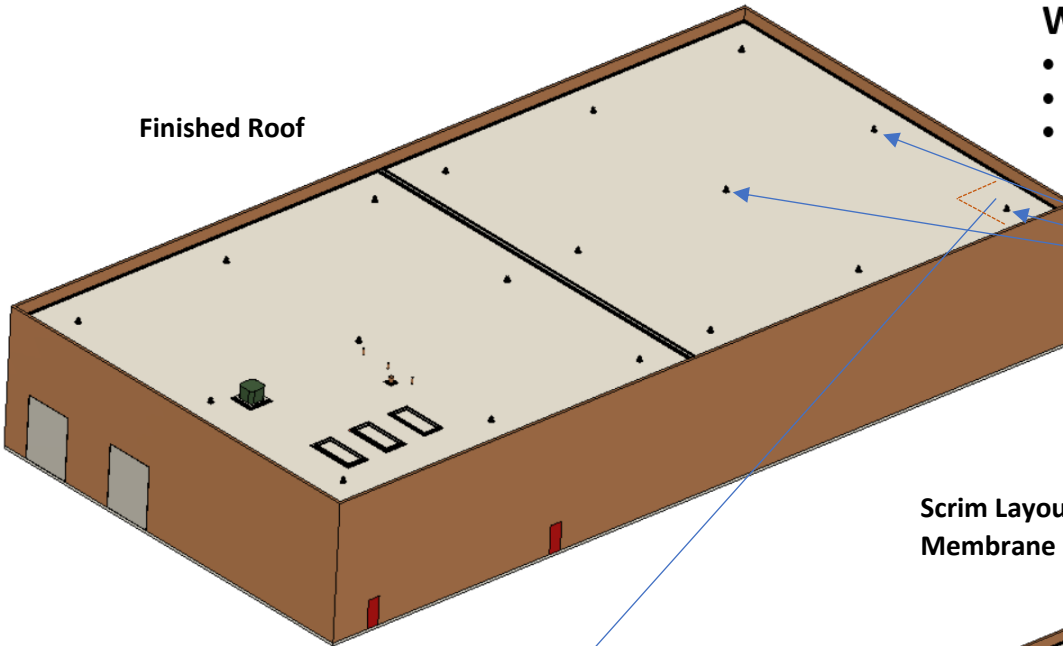
Typical Quadravent Protected Wind-Ballasted Roof Install

- 100' x 200' = 20,000 square feet
- Warehouse/Office
- Expansion joint divider

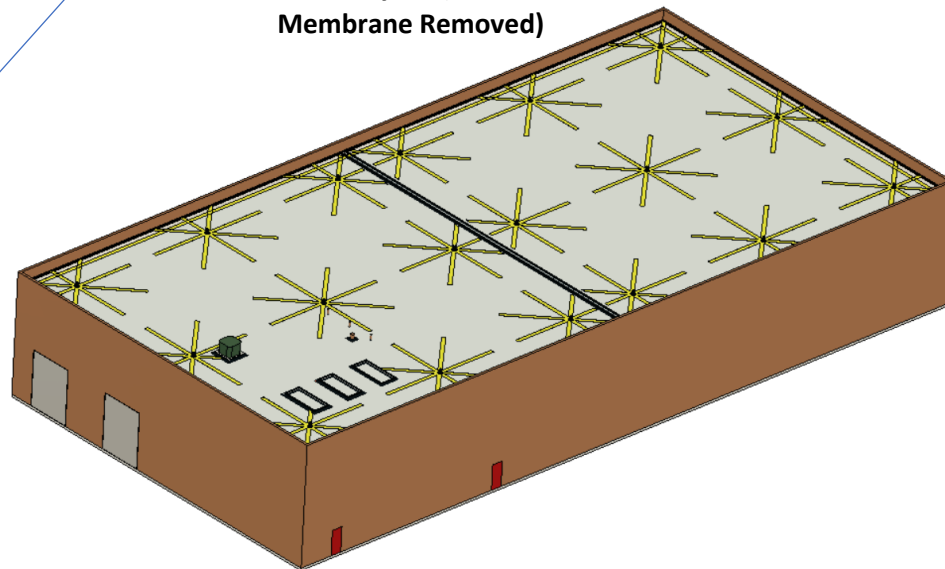


Quadravents®

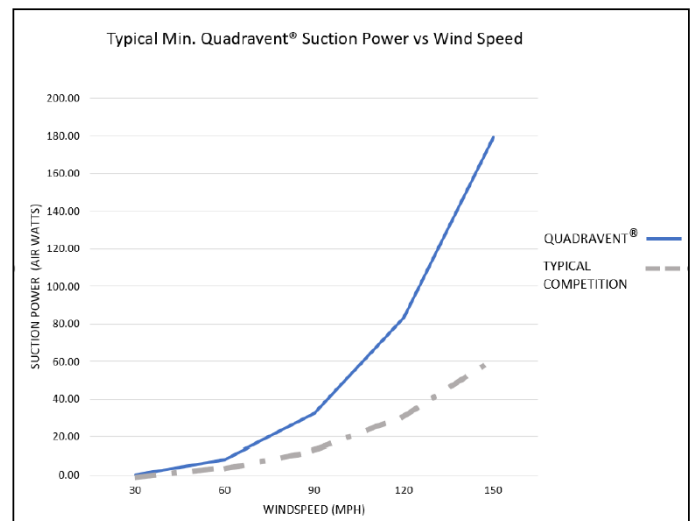
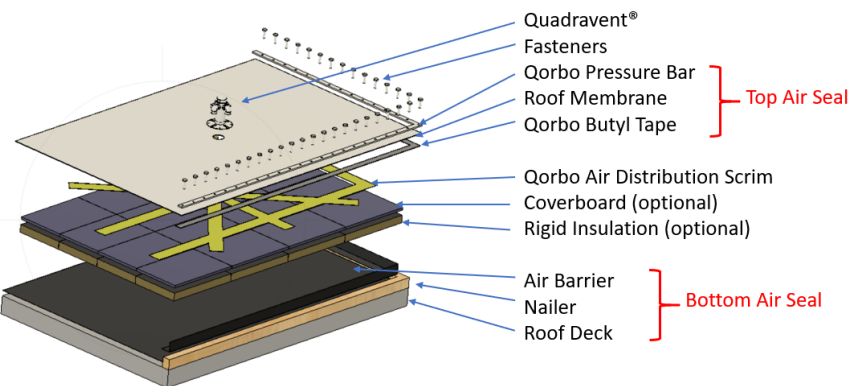
Finished Roof



Scrim Layout (Quadravents and Roof Membrane Removed)



Typical Roof Assembly



Per Independent Wind Tunnel Testing