



BENCHMARK ENGINEERING GROUP, INC.

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AutoGate, Inc.
7306 Driver Rd.
Berlin Heights, OH 44814

Benchmark Engineering Group, Inc. provided design certification of the wind bracing system for vertical pivot lift (VPL) gates and operators specifically manufactured by AutoGate, Inc. The design certification meets or exceeds the International Building Code (IBC) Section 1609.6 Simplified Wind Load Method for 90 MPH wind loading and the 150 MPH hurricane wind loading when used in accordance with the manufacturer's specifications for installation and operation.

The wind bracing design certification is for the following AutoGate VPL gate styles, based on the maximum heights and widths listed below:

1. Chain-link (aluminum) 9 ft. high x 26 ft. wide
2. Chain-link (steel) 9 ft. high x 22 ft. wide
3. Buckeye (aluminum) 8 ft. high x 25 ft. wide
4. Buckeye (steel) 6 ft. high x 21 ft. wide

However, even with the wind bracing system, there are conditions that are beyond the design control that may affect the structural integrity of the VPL gates, such as snow, ice or foreign material buildup on the gates, impact of flying debris, or other force multipliers caused by weather or human activities.

 on 3/10/2011
Timothy J. O'Brien, PE
Registered Professional Engineer
State of Ohio E-65750

