

# **STRUCTURAL SOLUTIONS, P.A.**

Structural Engineering ■ Investigations ■ Consulting

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December 12, 2011

Mr. Brandon Gentle  
Amarr Garage Doors  
165 Carriage Court  
Winston-Salem, NC 27105

RE: Garage Door Compliance for IRC-6009-130-15-I  
Amarr Garage Doors  
Project No. 03-011

Mr. Gentle:

As you have requested, I have confirmed the design of the wind load door IRC-6009-130-15-I. Please refer to the following documents:

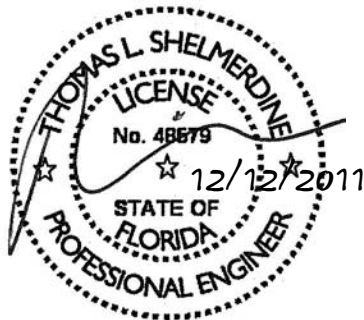
- American Test Lab, Inc. report number ATLNC-1118.01-09R dated 01/25/2010
- American Test Lab, Inc. Addendum dated 02/18/2010
- Amarr Garage Doors drawing number IRC-6009-130-15-I dated 11/18/2009

The door tests for Static Air Pressure, Large Missile Impact, and Cyclical Test were witnessed and certified by an independent Florida Registered Professional Engineer, as indicated in the Test Report. I have reviewed the Test Report and the Drawing noted above, and I have concluded the following:

- the door design is in compliance with Section 1609 of the 2010 Florida Building Code.
- the maximum cycle time noted in the report is less than the maximum permitted based on the formula  $(\text{area of specimen} - 75) \times (F) + 3$ , where  $F = 0.06$  for sectional doors.

I certify that I have no financial interest with the Testing Lab that performed the tests, nor with the Professional Engineer that witnessed the test.

Sincerely,



**STRUCTURAL SOLUTIONS, P.A.**  
Thomas L. Shelmerdine, PE