

## John E. Scates, Professional Engineer

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September 21, 2021

ASTA Door Corporation  
638 Cassville White Rd NW  
Cartersville, GA 30121

Re: ASTA Series 203IM/203J Sheet Doors

To Whom It May Concern:

At the request of ASTA Door Corporation, I have reviewed the drawings and tests listed below. The tests were conducted according to ANSI/DASMA 108 and ANSI/DASMA 115 test procedures. The pressure listed on the drawings are the direct result of these tests or conservative engineering rational analysis from the actual tests, except that no rational analysis was allowed on Impact products. I have concluded that the construction shown on these drawings comply with the structural requirements of the 7th Edition (2020) Florida Building Code. I certify that I meet the requirements of "independence" as detailed in Florida Statutes.

### Drawings

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|                   |                                                               |
|-------------------|---------------------------------------------------------------|
| 203IM Rev 4-14-21 | Model 203IM/204IM Impact Rated Windlock Commercial Sheet Door |
| 203J Rev 4-6-21   | Model 203J/204J Windload Rated Windlock Commercial Sheet Door |

### Test Reports

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Testing was conducted at Element Materials and CTLA to support the design claims on the drawings.

#### **For Drawing 203IM**

Test ESP010520P by Element Materials Technology  
Dated 08/17/2012 14' wide DASMA 108-05  
Test ESP010520P-1 by Element Materials Technology  
Dated 08/17/2012 14' wide DASMA 115-05

#### **For Drawing 203J**

Test CTLA 3001WR by Certified Testing Laboratories  
Dated 02/20/2014 14' wide DASMA 108-05  
Test ESP01018P-6 by Element Materials Technology  
Dated 08/21/2013 14' wide DASMA 108-05

## Test Facility & Procedures

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Element Materials Technology  
115 South 84th Ave  
Wausau, WI 54401

Certified Testing Laboratories  
1924 Premier Row  
Orlando, FL 32809

### Equivalence:

Static testing was conducted in a manner that complied with **ANSI/DASMA 108-2017**.

Impact and Pressure Cycle testing was conducted in a manner that complied with **ANSI/DASMA 115-2017**.

The test reports were signed by an authorized representative of the Labs, which were accredited independent laboratories.

These doors are not intended for the High Velocity Hurricane Zone (HVHZ).

## Calculations

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The loads applied to the jambs by the door via direct pressure and end-tension catenary forces were computed using industry standard methods. These results are shown as "Vx" and "Vy" on sheet 2 of each drawing.

## Installation Instructions

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### **Anchorage Requirements:**

The door drawing includes means to attach the door to Steel, Concrete, or filled-CMU building structure as detailed on each drawing.

This Evaluation Report does not address design of the wall/jambs themselves, but provides the anticipated jamb loads that will be generated by this product, Vx and Vy, also illustrated on Sheet 2.

## Model Descriptions

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**Models 203J & 203IM** are windlocked commercial sheet doors. 203J is non-impact. 203IM is impact rated. Curtain is 26-gauge nominal thickness.

**Models 204J & 204IM** are same construction with insulated interior surface.

## Additional Limitations

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The drawings cited above are an explicit part of this evaluation report. The text of this report does not attempt to address all design details but relies upon the illustrations and text of the drawings and instructions as well.

Each door should be chosen based on the "psf" requirement determined for a specific installation or locale.

The maximum opening width approved with this report is 20' (non-impact)

The maximum opening width approved with this report is 14' (Impact)

The maximum door height is 20'.

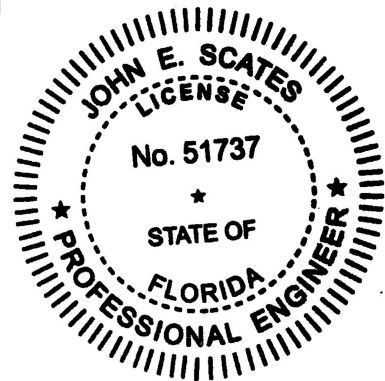
*The user of this product is reminded that rolling doors can generate substantial catenary forces at the jambs ("Vx"). The building jambs must be designed to withstand these loads in combinations of Vx with Vy(+), and Vx with Vy(-) shown on sheet 2 of the drawings.*

These sheet doors have been evaluated for impact and non-impact. Models 203IM/204IM are impact rated. Models 203J/204J are non-impact.

These products are *not* intended for the Florida High Velocity Hurricane Zone (HVHZ).

Digitally signed by John E Scates  
Date: 2021.09.21 12:27:07 -05'00'

John E. Scates, P.E.  
**Florida PE # 51737**



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