

Product Evaluation Report

Rule 61G20-3 F.A.C. | Report No. 2594, Rev. 2 | Project No. 423-0815 | 10/3/23 | Page 1 of 3

Product Manufacturer

Tell Doors & Windows, LLC.
6535 Guhn Rd, Ste 100
Houston, TX 77040

A wholly owned subsidiary of
Tell Manufacturing, Inc.
18 Richard Drive
Lititz, PA 17543

Product Name, Model and/or Description

Telstar Outswing Steel Door (X), Impact
Tioga/Spartan Outswing Steel Door (X), Impact
Telstar Outswing Steel Door (X), Non-Impact
Tioga/Spartan Outswing Steel Door (X), Non-Impact

Code: Current Edition of the Florida Building Code including the 8th Edition (2023) Florida Building Code

Compliance Method: Product Approval Rule 61G20-3.005(1)(d) – Product Evaluation Report by a Licensed Professional Engineer

Product Name, Model and/or Designation - Test Report No. - Installation Drawing No.: Products covered by this evaluation includes the following. All testing was performed by Hurricane Engineering & Testing, Doral, FL.

- Installation Drawing No. 15-35L, Rev. B, "Telstar & Tioga/Spartan" OS Steel Doors X System - Impact Installation Instructions, signed and sealed by Robert J. Amoruso, P.E.
 - Series/Model
 - Telstar Outswing Steel Door (X) with Rim Panic Device, +/-50 psf DP, 40.5" x 86.125" Frame Size
 - Tioga/Spartan Outswing Steel Door (X) w/Rim Panic Device, +/-75 psf DP, 54.125" x 98.125" Frame Size
 - Tioga/Spartan Outswing Steel Door (X) w/Keyed Lock, +/-50 psf DP, 52.25" x 98" Frame Size
 - Test Reports by Hurricane Engineering and Testing, Doral, FL. All test reports signed and sealed by Rafael E. Droz-Seda, P.E.
 - HETI-15-5069, dated 9/3/15, TAS 202 (Structural), View Window, +/-50 psf DP
 - HETI-15-5070, dated 9/3/15, TAS 202 (Structural), View Window, +/-50 psf DP
 - HETI-15-5071, dated 9/3/15, TAS 202 (Structural), Opaque, +/-75 psf DP
 - HETI-15-5072, dated 7/10/15, ASTM E1886-13a/E1996-14, Opaque, +/-75 psf DP
 - HETI-15-5082, dated 7/10/15, ASTM E1886-13a/E1996-14, View Window (*), +/-50 psf DP
 - (*) View Window not impacted, therefore door approval treated as Opaque.
- Installation Drawing No. 15-35, Rev. B, "Telstar & Tioga/Spartan "OS Steel Doors X System - Non-Impact & HVHZ Installation Instructions, signed and sealed by Robert J. Amoruso, P.E.
 - Series/Model
 - Telstar Outswing Steel Door (X) with Rim Panic Device, +/-50 psf DP, 40.5" x 86.125" Frame Size
 - Tioga/Spartan Outswing Steel Door (X) w/Rim Panic Device, +/-75 psf DP, 54.125" x 98.125" Frame Size
 - Tioga/Spartan Outswing Steel Door (X) w/Keyed Lock, +/-50 psf DP, 52.25" x 98" Frame Size
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 - HETI-15-5071, dated 9/3/15, TAS 202 (Structural), Opaque, +/-75 psf DP

Limitations & Conditions of Use:

- The following products have not been evaluated for use inside the High Velocity Hurricane Zone (HVHZ).
 - Installation Drawing No. 15-35L, Series/Models
 - Telstar Outswing Steel Door (X) with Rim Panic Device, +/-50 psf DP, 40.5" x 86.125" Frame Size
 - Tioga/Spartan Outswing Steel Door (X) w/Rim Panic Device, +/-75 psf DP, 54.125" x 98.125" Frame Size



Product Evaluation Report

Rule 61G20-3 F.A.C. | Report No. 2594, Rev. 2 | Project No. 423-0815 | 10/3/23 | Page 2 of 3

- Tioga/Spartan Outswing Steel Door (X) w/Keyed Lock, +/-50 psf DP, 52.25" x 98" Frame Size
- The following products have been evaluated for use inside the High Velocity Hurricane Zone (HVHZ).
 - Installation Drawing No. 15-35, Series/Models
 - Telstar Outswing Steel Door (X) with Rim Panic Device, +/-50 psf DP, 40.5" x 86.125" Frame Size
 - Tioga/Spartan Outswing Steel Door (X) w/Rim Panic Device, +/-75 psf DP, 54.125" x 98.125" Frame Size
 - Tioga/Spartan Outswing Steel Door (X) w/Keyed Lock, +/-50 psf DP, 52.25" x 98" Frame Size
- The following products are impact resistant and will not require impact protection in wind borne debris regions.
 - Installation Drawing No. 15-35L, Series/Models
 - Telstar Outswing Steel Door (X) with Rim Panic Device, +/-50 psf DP, 40.5" x 86.125" Frame Size
 - Tioga/Spartan Outswing Steel Door (X) w/Rim Panic Device, +/-75 psf DP, 54.125" x 98.125" Frame Size
 - Tioga/Spartan Outswing Steel Door (X) w/Keyed Lock, +/-50 psf DP, 52.25" x 98" Frame Size
- The following products are not impact resistant and will require impact protection in wind borne debris regions.
 - Installation Drawing No. 15-35, Series/Models
 - Telstar Outswing Steel Door (X) with Rim Panic Device, +/-50 psf DP, 40.5" x 86.125" Frame Size
 - Tioga/Spartan Outswing Steel Door (X) w/Rim Panic Device, +/-75 psf DP, 54.125" x 98.125" Frame Size
 - Tioga/Spartan Outswing Steel Door (X) w/Keyed Lock, +/-50 psf DP, 52.25" x 98" Frame Size
- Refer to Product Installation Instructions noted above for:
 - Maximum allowable wind loads at related maximum allowable size(s).
 - Overall dimensions and material/grade of main product components, accessories, etc.
 - Illustrated diagrams of the attachment of the product to substrate structure.
 - Anchor type(s), size(s), substrate(s), embedment, edge distance, and spacing/locations.
- Site wind pressures shall be determined by a licensed professional engineer in accordance with the current edition of the Florida Building Code (and/or ASCE 7 as referenced in the current edition of the Florida Building Code) for components and cladding based on allowable stress design.
- Site conditions not covered in this product evaluation document are subject to additional engineering analysis by a licensed professional engineer or registered architect as required by the authority having jurisdiction.
- Adequacy of the existing structural substrates as a main wind force resisting system capable of withstanding and transferring applied product loads to the foundation is the responsibility of the licensed professional engineer or registered architect acting as the design professional of record for the project of installation.
- The products listed above have not been tested for water penetration. Therefore, they can only be used in the following areas per Section 1709 of the Current Edition of the Florida Building Code or Section R609 of the Current Edition of the Florida Residential Code.
 - Non-habitable areas where the door assembly and area are designed to accept water infiltration, or
 - Areas where the overhang (OH) ratio is equal to or more than one (1). OH as defined in the building code.

Engineering Evaluation:

- Installation anchorage evaluation performed for the above-mentioned products by Robert J. Amoruso, P.E.



Product Evaluation Report

Rule 61G20-3 F.A.C. | Report No. 2594, Rev. 2 | Project No. 423-0815 | 10/3/23 | Page 3 of 3

Certificate of Independence per Product Approval Rule 61G20-3.009

PTC Product Design Group, LLC and Robert J. Amoruso, P.E. does not have, nor will acquire, any financial interest in the company manufacturing or distributing product(s) covered by this Product Evaluation Report.

PTC Product Design Group, LLC and Robert J. Amoruso, P.E. do not have, nor will acquire any financial interest in any other entity involved in the approval process or testing of the product(s) covered by this Product Evaluation Report.

Evaluated by:
Robert J. Amoruso, P.E.
FL PE License No. 49752

