

Product Evaluation

DR491 | 0324

Engineering Services Program

The following product has been evaluated for compliance with the wind loads specified in the International Residential Code (IRC) and the International Building Code (IBC).

This product evaluation is not an endorsement of this product or a recommendation that this product be used. The Texas Department of Insurance has not authorized the use of any information contained in the product evaluation for advertising, or other commercial or promotional purpose.

This product evaluation is intended for use by those individuals who are following the design wind load criteria in Chapter 3 of the IRC and Section 1609 of the IBC. The design loads determined for the building or structure shall not exceed the design load rating specified for the products shown in the limitations section of this product evaluation. This product evaluation does not relieve a Texas licensed engineer of his responsibilities as outlined in the Texas Insurance Code, the Texas Administrative Code, and the Texas Engineering Practice Act.

For more information, contact TDI Engineering Services Program at 800-248-6032.

Evaluation ID: DR-491

Effective Date: March 1, 2024

Re-evaluation Date: March 2028

Product Name: Model 707 Opaque Commercial Steel Outswing Side Hinged Doors, Impact Resistant

Manufacturer: CURRIES, Division of ASSA ABLOY Door Group, LLC
1502 12th Street NW
Mason City, IA 50401
(641) 494-2846

General Description:

| System | Description | Design Pressure Rating |
|--------|---|------------------------|
| 1 | Model 707 Opaque Commercial Steel Outswing Side Hinged Doors; X | +80 / -80 psf |

Product Dimensions:

| System | Overall Size | Operable Panel Size | Panel Daylight Opening Size |
|--------|--------------|---------------------|-----------------------------|
| 1 | 40" x 86" | 35-13/16" x 83-1/2" | N/A |

Components and Hardware:

- **McKinney TA 2714 hinges:** three required; secured to the door panel and frame with four No. 12 x 24" screws.
- **Lock Options:**
 - Sargent 8200 Mortise Lock with latch and deadbolt
 - Corbin Russwin ML2000 Mortise lock with latch and deadbolt
 - Yale 8800 Series Mortise Lock with latch and laminated deadbolt
 - Yale 7150(F) WS Rim Exit
- **Strike Plates:**
 - For the Sargent 8200, Corbin Russwin ML2000, Yale 8800 locks: one piece plate for both bolts; secured to the reinforcement in the frame with two, 12-24 x 1" flat head machine screws
 - For the Yale 7150(F) Rim Exit: one piece surface mounted; secured to the frame with four 10-24 x 1" flat head machine screws

Product Identification (Certification and Manufacturer Label on Door):

| System | | |
|--------|----------------------------------|--|
| 1 | Certification agency | UL |
| | Manufacturer label | CURRIES ASSA ABLOY |
| | Manufacturer's name or code name | N/A |
| | Product name | Exterior Swinging Door |
| | Test standards | ASTM E330/E1886/E1996 TAS 201, TAS 202, TAS 203 |

Compliance: The door assemblies passed test criteria equivalent to ASTM E330-14, ASTM E1886- 13a, and ASTM E1996-14a.

Impact Resistance: The door assembly satisfies TDI's criteria for protection from windborne debris. These assembly passed the equivalent of Missile Level D specified in ASTM E1996-14a. Install the assembly at any height on the structure that does not exceed the assembly's design pressure rating. For essential facilities, the assembly may not be installed below a height of 30 feet in Wind Zone 3 and may be installed at all heights in Wind Zone 2 as defined in ASTM E 1996- 14a.

Installation:

The door frame may be installed and anchored to concrete, masonry, steel, or wood wall framing as specified below:

Frame Anchored with Masonry Tee Anchors (16 gauge): The frame must be attached using a minimum of four anchors per jamb. The anchors must be located a maximum of 12" from the sill and spaced a maximum of 24" on center along the jamb.

Welded Pipe Spacer (masonry or concrete): The frame must be attached using a minimum of four anchors in each jamb. The fasteners must be located a maximum of 12" from the head and 6" from the sill and spaced a maximum of 24" on center along the jamb. For attachment to concrete or masonry, the anchors must be 3/8" diameter Powers Power-Bolt or 3/8" diameter Hilti Kwik-Bolt III with a minimum embedment depth of 2-1/2" into the masonry or concrete.

Welded Pipe Spacer (wood stud): The frame must be attached using a minimum of five anchors in each jamb. The fasteners must be located a maximum of 6" from the head and sill and spaced a maximum of 21" on center along the jamb. For attachment to wood framing, the anchors must be 3/8" diameter x 5" long lag screws with a minimum embedment of 3" into Southern Yellow Pine ($G \geq 0.55$) wood framing.

Wood or steel stud slip-in anchors: The frame must be attached using a minimum of five anchors in each jamb. The fasteners must be located a maximum of 6" from the head and sill and spaced a maximum of 21" on center along the jamb. Each anchor will have a minimum of four fasteners. For attachment to wood or steel stud framing, the fasteners must be a minimum of No. 8 x 1" long drywall screws. The screws must have a minimum embedment depth of 1" into Southern Yellow Pine ($G \geq 0.55$) wood framing or must be affixed to 18-gauge steel studs.

Note: Keep the manufacturer's installation instructions available on the job site during installation. Use corrosion resistant fasteners as specified in the IRC and the IBC.