Product Evaluation

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-490

Effective Date: September 1, 2015
Re-evaluation Date: September 2019

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

Manufacturer: Ceco Door, Division of ASSA ABLOY Door Group, LLC
9159 Telecom Drive
Milan, TN 38358
(731) 686-8345

General Description:

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

Product Dimensions:

System	Overall Size	Panel Size	Panel Glass Daylight Opening Size
1	40" x 86"	35-15/16" x 83-1/2"	N/A

Reinforcement:

- Mortise Lock: 16 gauge steel
- Exit Device: 14 gauge steel
- Door Hinge: Hinge preparations are integral in the 14-gauge channel welded to the hinge edge of the door.
- Frame Head: None
- Frame Strike Mortise Lock: 7 gauge
- Frame Strike Exit Device: 12 gauge
- Frame Hinge: 7 gauge steel

Weather Stripping:

- Head and jambs: Jamb: Pemko S88
- Threshold: Pemko 2005

Hardware:

- McKinney TA 2714 Hinges: 4-1/2" x 4-1/2" x 0.134 steel butt hinges; Three required; secured to the door frame with four, No. 12 x 24 flat head screws; Secured to the door panel with four, No. 12 x 24 flat head screws

Lock Options: May use one of the following:

- Corbin Russwin ML2000 Series Mortise lock with latch bolt and dead bolt;
- Sargent 8200 Series Mortise lock with latch bolt and dead bolt;
- Yale 8800 Series Mortise lock with latch bolt and dead bolt; or
- Yale 7150(F) WS Rim Exit Device.

Strike Plates:

- Corbin Russwin ML2000: One piece plate for both bolts; secured to the reinforcement in the frame with two, 12-24 x 1" flat head machine screws.
- Sargent 8200: One piece plate for both bolts; secured to the reinforcement in the frame with two, 12-24 x 1" flat head machine screws.
- Yale 8800: One piece plate for both bolts; secured to the reinforcement in the frame with two, 12-24 x 1" flat head machine screws.
- Yale 7150 (F): One piece surface mounted; secured to the frame with four, 10-24 x 1" flat head machine screws.

Threshold: Pemko aluminum ADA low profile 2005

Product Identification (Manufacturers Label and Certification Label on Door):

System		
1	Certification Agency	UL or Intertek
	Manufacturer Label	Ceco Door ASSA ABLOY
	Manufacturer's Name or Code Name	N/A
	Product Name	Exterior Swinging Door
	Test Standards	ASTM E 330, ASTM E 1886, ASTM E 1996

Impact Resistance:

System	Impact Resistant	Requirement
1	Yes	These products satisfy TDI's criteria for protection from windborne debris in the Inland I and Seaward zone. Install the assemblies at a height on the structure that does not exceed the design pressure rating for the assemblies.

Installation:
The door assembles must be installed in accordance with Ceco Door installation instructions and this product evaluation report. The door frame assemblies 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≥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≥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, the IBC, and the Texas Revisions.