

Product Evaluation

DR495 | 0221

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-495

Effective Date: February 1, 2021

Re-evaluation Date: February 2025

Product Name: Single and Double Opaque Outswing Steel Hinged Entry Doors, Impact Resistant

Manufacturer: National Custom Hollow Metal Door & Frames
1701 East 22nd Street
Little Rock, AR 72206
(501) 372-3441

General Description:

System	Description	Label Rating	Drawing Number
1	3'-0" x 7'-0" Single Door, X	+70 / -70 psf Missile Level D	NCHM002
2	6'-0" x 7'-0" Double Door; XX	+70 / -70 psf Missile Level D	NCHM002

Product Dimensions:

System	Overall Size	Operable Panel Size
1	40" x 86"	36" x 84"
2	76" x 86"	36" x 84" (2)

Components and Hardware:

System	Component	Quantity	Attachment Method
1	McKinney TA 2714 butt hinges	3	Install hardware in accordance with drawing No. NCHM002, dated April 20, 2011. Revision C dated September 29, 2020. Signed and sealed by Hermes F. Norero, P.E. on December 2, 2020.
	Corbin Russwin CL3300 Series Cylindrical Lock OR Sargent 8200 Series Mortise Lock w/ deadbolt OR Yale 7150 Series Rim Exit Device	1	
2	McKinney TA 2714 butt hinges	6	
	Corbin Russwin CL3300 Series Cylindrical Lock & Yale 988Y Surface Bolts OR Sargent 8200 Series Mortise Lock w/ deadbolt & Sargent 988Y Surface Bolts OR Sargent WS8900 Series Mortise Lock w/ deadbolt & Yale 7170 Surface Vertical Rod Exit Device OR Yale M200FWS Removable Mullion & Yale 7150 Series Rim Exit Device	Lock: 1 Surface Bolts: 2 Exit Device: 2 Mullion: 1	
	Exit Device: Sargent 8600 (active leaf) and/or HC 8700 (inactive leaf)		

Product Identification (Certification Label on Door):

System		
1-2	Certification agency	Underwriters Laboratory (UL)
	Manufacturer's name or code name	National Custom Hollow Metal
	Product name	R26918, R26904 (ZHLL, ZHLA)
	Test standards	ASTM E330-14/E1886-19/E1996-17 Missile Level D

Impact Resistance:

System	Impact Resistant	Requirement
1-2	Yes	These products satisfy TDI's criteria for protection from windborne debris. Install the assemblies at a height on the structure that does not exceed the design pressure rating for the assemblies.

Installation:

System	
1-2	Type of installation
	Wall framing
	Fasteners
	Fastener location/spacing
Fastener penetration	Install in accordance with drawing No. NCHM002, dated April 20, 2011. Revision C dated September 29, 2020. Signed and sealed by Hermes F. Norero, P.E. on December 2, 2020.

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.