

# TEXAS DEPARTMENT OF INSURANCE

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## PRODUCT EVALUATION

DR-396

Effective Date: July 1, 2013

Reevaluation Date: **February 2014**

*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.*

**Series R-301 Vinyl Sliding Glass Doors, New Construction and Replacement Construction, Non-impact Resistant**, manufactured by

**Resiver Patio Doors**

**100, 181 Rue**

**Beauceville, Quebec G5X2T1**

**Telephone: (418) 774-2949**

### General Description:

System	Description	Label Rating	Design Pressure Rating
1	R-301 Vinyl Sliding Glass Door; XO, OX	SD-R35 72 x 82	+35 / -35 psf
2	R-301 Vinyl Sliding Glass Door; XO, OX	SD-R55 72 x 82	+55 / -55 psf
3	R-301 Vinyl Sliding Glass Door; XO, OX	SD-R50 96 x 80	+50 / -50 psf
4	R-301 Vinyl Sliding Glass Door; XO, OX	SD-C40 96 x 96	+40 / -40 psf
5	R-301 Vinyl Sliding Glass Door; XO, OX	SD-C50 96 x 96	+50 / -50 psf
6	R-301 Vinyl Sliding Glass Door; O/XO	SD-R45 144 x 82	+45 / -45 psf
7	R-301 Vinyl Sliding Glass Door; OXO	SD-R25 144 x 96	+25 / -25 psf
8	R-301 Vinyl Sliding Glass Door; OXO	SD-C40 144 x 96	+40 / -40 psf
9	R-301 Vinyl Sliding Glass Door; OXO	SD-C45 144 x 96	+45 / -45 psf
10	R-301 Vinyl Sliding Glass Door; OXO	SD-LC50 144 x 96	+50 / -50 psf
11	R-301 Vinyl Sliding Glass Door; OXXO	SD-C35 192 x 96	+35 / -35 psf

**Component Dimensions:**

System	Overall Door Size	Active Panel Size
1	72" x 82"	36 $\frac{1}{8}$ " x 78 $\frac{7}{8}$ "
2	72" x 82"	36 $\frac{1}{8}$ " x 78 $\frac{7}{8}$ "
3	96" x 80"	47 $\frac{13}{16}$ " x 76 $\frac{3}{8}$ "
4	96" x 96"	47 $\frac{7}{8}$ " x 92 $\frac{7}{16}$ "
5	96" x 96"	47 $\frac{7}{8}$ " x 92 $\frac{7}{16}$ "
6	144" x 82"	48 $\frac{3}{16}$ " x 77 $\frac{15}{16}$ "
7	144" x 96"	48 $\frac{3}{16}$ " x 92 $\frac{7}{16}$ "
8	144" x 96"	48 $\frac{3}{16}$ " x 92 $\frac{7}{16}$ "
9	144" x 96"	48 $\frac{3}{16}$ " x 92 $\frac{7}{16}$ "
10	144" x 96"	48 $\frac{3}{16}$ " x 92 $\frac{7}{16}$ "
11	192" x 96"	48 $\frac{1}{2}$ " x 92 $\frac{3}{4}$ " w/astragal 48 $\frac{5}{8}$ " x 92 $\frac{3}{4}$ " w/out astragal

**Product Identification (Certification Agency Label on the Door):**

System		
1	Certification Agency	Keystone
	Manufacturer's Name or Code Name	CAR 007-158
	Product Name	R301/R401 Vinyl Sliding Patio Door
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-05
2	Certification Agency	Keystone
	Manufacturer's Name or Code Name	CAR 007-159
	Product Name	R301/R401 Vinyl Reinforced Sliding Patio Door
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-05
3	Certification Agency	Keystone
	Manufacturer's Name or Code Name	CAR 007-172
	Product Name	R301/R401 Vinyl SD
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-05
4	Certification Agency	Keystone
	Manufacturer's Name or Code Name	CAR 007-171
	Product Name	R301 Vinyl Sliding Door
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-05
5	Certification Agency	Keystone
	Manufacturer's Name or Code Name	CAR 007-169
	Product Name	R301 Vinyl SGD (C50)
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-05
6	Certification Agency	Keystone
	Manufacturer's Name or Code Name	CAR 007-175
	Product Name	R301/R401 SGD O/XO
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-05
7	Certification Agency	Keystone
	Manufacturer's Name or Code Name	CAR 007-162
	Product Name	R301/R401 PVC Sliding Patio Door
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-05

**Product Identification (Certification Agency Label on the Door) - continued:**

System		
8	Certification Agency	Keystone
	Manufacturer's Name or Code Name	CAR 007-174
	Product Name	R301/R401 PVC SGD
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-05
9	Certification Agency	Keystone
	Manufacturer's Name or Code Name	CAR 007-173
	Product Name	R301/R401 PVC SGD O/XO
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-05
10	Certification Agency	Keystone
	Manufacturer's Name or Code Name	CAR 007-180
	Product Name	R301 Sliding Glass Door O/XO
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-05
11	Certification Agency	Keystone
	Manufacturer's Name or Code Name	CAR 007-176
	Product Name	R301/R401 PVC SGD
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-05

**Impact Resistance:**

Impact Resistant	Requirement
No	Impact protective system required when product is installed in areas where windborne debris protection is required

**Installation:**

System		
1-2	Type of Installation	Fin and Through Frame Installation
	Design Drawing	Refer to drawing "Resiver Patio Door Non-impact R-301 Vinyl Sliding Glass Door Installation Anchorage Details XO & OX Fin and Thru-Frame Installation," Drawing No. RES1020, Sheets 1 of 3 thru 3, dated 07/11/12, signed ,sealed, and dated 7/11/12 by Robert James Amoruso, P.E.
3-5	Type of Installation	Fin Installation
	Design Drawing	Refer to drawing "Resiver Patio Door Non-impact R-301 Vinyl Sliding Glass Door Installation Anchorage Details XO & OX Fin Installation," Drawing No. RES1021, Sheets 1 of 3 thru 3, dated 07/11/12, signed ,sealed, and dated 7/11/12 by Robert James Amoruso, P.E.
4-5	Type of Installation	Frame Installation
	Design Drawing	Refer to drawing "Resiver Patio Door Non-impact R-301 Vinyl Sliding Glass Door Installation Anchorage Details," Drawing No. RES1011, Sheets 1 of 4 thru 4, dated 07/11/12, signed ,sealed, and dated 7/11/12 by Robert James Amoruso, P.E.
6-10	Type of Installation	Fin Installation
	Design Drawing	Refer to drawing "Resiver Patio Door Non-impact R-301 Vinyl Sliding Glass Door Installation Anchorage Details OXO Fin Installation," Drawing No. RES1023, Sheets 1 of 3 thru 3, dated 07/11/12, signed ,sealed, and dated 7/11/12 by Robert James Amoruso, P.E.

**Installation 9(Continued):**

System	Type of Installation	Frame Installation
7-10	Design Drawing	Refer to drawing "Resiver Patio Door Non-impact R-301 Vinyl Sliding Glass Door Installation Anchorage Details," Drawing No. RES1013, Sheets 1 of 4 thru 4, dated 07/11/12, signed ,sealed, and dated 7/11/12 by Robert James Amoruso, P.E.
	Type of Installation	Fin Installation
11	Design Drawing	Refer to drawing "Resiver Patio Door Non-impact R-301 Vinyl Sliding Glass Door Installation Anchorage Details OXXO Fin Installation," Drawing No. RES1024, Sheets 1 of 3 thru 3, dated 07/11/12, signed ,sealed, and dated 7/11/12 by Robert James Amoruso, P.E.
	Type of Installation	Fin Installation

**Note:** The manufacturer's installation instructions shall be available on the job site during installation. All fasteners shall be corrosion resistant as specified in the International Residential Code (IRC), the International Building Code (IBC), and the Texas Revisions.