



## WINDOWS & DOORS LISTING PROGRAM

**Customer:** Marvel Doors & Windows Ltd.  
**Class:** Fenestration Products – Energy Performance  
**Location:** Langley, British Columbia  
**Website:** <https://marveldoors.com/>

**Listing No.** W599-2  
**Project No.** W599-2 ED1  
**Effective Date:** March 5, 2025  
**Last Revised Date:** March 5, 2025  
**Expires:** N/A

**Standards:** CSA A440.2-19 “Fenestration Energy Performance”

**Product:** Vinyl Doors

**Markings:** Products are marked with the following content in a permanent manner where it is readily visible after installation:

- a) Manufacturer’s name, Trademark or other recognized symbol or identification.
- b) QAI file Number: W599
- c) QAI logo shown here:



- d) “Evaluation for energy performance in accordance with CSA A440.2” / “Évalué pour la performance d’énergie en accord à la norme CSA A440.2”

### Models / Ratings:

#### M700 Series Sliding Door

| Glass / Grille Option # | Model Code                              | U-Value (W/m <sup>2</sup> K) | Product SHGC | Energy Rating |
|-------------------------|---|------------------------------|--------------|---------------|
| G01                     | MDW-M700SD-3,180(2)-3,CL-19AR90SS       | 1.68                         | 0.50         | 31            |
| G02                     | MDW-M700SD-3,272(2)-3,CL-19AR90SS       | 1.64                         | 0.32         | 22            |
| G03                     | MDW-M700SD-3,SB60(2)-3,CL-19AR90SS      | 1.63                         | 0.31         | 21            |
| G04                     | MDW-M700SD-3,270(2)-3,CL-19AR90SS       | 1.63                         | 0.29         | 20            |
| G05                     | MDW-M700SD-3,SB60(2)-3,SB60(4)-19AR90SS | 1.31                         | 0.28         | 27            |
| G06                     | MDW-M700SD-3,180(2)-3,180(4)-19AR90SS   | 1.36                         | 0.47         | 37            |



| Glass / Grille Option # | Model Code                                       | U-Value (W/m <sup>2</sup> K) | Product SHGC | Energy Rating |
|-------------------------|--|------------------------------|--------------|---------------|
| G07                     | MDW-M700SD-3,270(2)-3,270(4)-19AR90SS            | 1.31                         | 0.25         | 25            |
| G08                     | MDW-M700SD-3,366(2)-3,i89(4)-19AR90SS            | 1.36                         | 0.21         | 22            |
| G09                     | MDW-M700SD-3,270(2)-3,i89(4)-19AR90SS            | 1.37                         | 0.28         | 25            |
| G10                     | MDW-M700SD-4,272(2)-4,CL-18AR90SS                | 1.63                         | 0.32         | 22            |
| G11                     | MDW-M700SD-4,SB60(2)-4,CL-18AR90SS               | 1.62                         | 0.31         | 22            |
| G12                     | MDW-M700SD-4,270(2)-4,CL-18AR90SS                | 1.62                         | 0.28         | 20            |
| G13                     | MDW-M700SD-4,SB60(2)-4,SB60(4)-18AR90SS          | 1.30                         | 0.28         | 27            |
| G14                     | MDW-M700SD-4,180(2)-4,180(4)-18AR90SS            | 1.36                         | 0.46         | 36            |
| G15                     | MDW-M700SD-4,270(2)-4,270(4)-18AR90SS            | 1.30                         | 0.25         | 25            |
| G16                     | MDW-M700SD-4,366(2)-4,i89(4)-18AR90SS            | 1.35                         | 0.21         | 22            |
| G17                     | MDW-M700SD-4,270(2)-4,i89(4)-18AR90SS            | 1.37                         | 0.28         | 25            |
| G18                     | MDW-M700SD-3,180(2)-3,CL-3,180(6)-8AR90SS        | 1.27                         | 0.43         | 36            |
| G19                     | MDW-M700SD-3,270(2)-3,CL-3,270(6)-8AR90SS        | 1.24                         | 0.23         | 25            |
| G20                     | MDW-M700SD-3,SB60(2)-3,CL-3,SB60(6)-8AR90SS      | 1.24                         | 0.26         | 27            |
| G21                     | MDW-M700SD-3,CL-3,S400(3)-3,S400(5)-8AR90SS      | 1.32                         | 0.45         | 36            |
| G22                     | MDW-M700SD-3,CL-3,S400(3)-3,SN68(6)-8AR90SS      | 1.28                         | 0.37         | 33            |
| G23                     | MDW-M700SD-3,SB60(2)-3,SB60(4)-3,SCLE(6)-8AR90SS | 1.13                         | 0.24         | 28            |
| G24                     | MDW-M700SD-3,270(2)-3,180(4)-3,i89(6)-8AR90SS    | 1.14                         | 0.25         | 29            |
| G25                     | MDW-M700SD-3,270(2)-3,270(4)-3,i89(6)-8AR90SS    | 1.12                         | 0.22         | 27            |

### Vinyl Series Out-Swing Side-Hinged Door

| Glass / Grille Option # | Model Code                                      | U-Value (W/m <sup>2</sup> K) | Product SHGC | Energy Rating |
|-------------------------|---|------------------------------|--------------|---------------|
| G01                     | MDW-OSHD-4,180(2)-4,CL-18AR90SP-R1              | 1.51                         | 0.35         | 26            |
| G02                     | MDW-OSHD-4,272(2)-4,CL-18AR90SP-R1              | 1.48                         | 0.23         | 20            |
| G03                     | MDW-OSHD-4,270(2)-4,CL-18AR90SP-R1              | 1.47                         | 0.20         | 18            |
| G04                     | MDW-OSHD-4,366(2)-4,CL-18AR90SP-R1              | 1.46                         | 0.15         | 16            |
| G05                     | MDW-OSHD-4,180(2)-4,180(4)-18AR90SP-R1          | 1.30                         | 0.33         | 30            |
| G06                     | MDW-OSHD-4,270(2)-4,270(4)-18AR90SP-R1          | 1.26                         | 0.18         | 22            |
| G07                     | MDW-OSHD-4,366(2)-4,i89(4)-18AR90SP-R1          | 1.29                         | 0.15         | 19            |
| G08                     | MDW-OSHD-4,180(2)-4,i89(4)-18AR90SP-R1          | 1.33                         | 0.34         | 30            |
| G09                     | MDW-OSHD-4,270(2)-4,i89(4)-18AR90SP-R1          | 1.31                         | 0.20         | 22            |
| G10                     | MDW-OSHD-4,180(2)-4,180(4)-4,CL-14AR90SP-R1     | 1.06                         | 0.29         | 33            |
| G11                     | MDW-OSHD-4,270(2)-4,270(4)-4,CL-14AR90SP-R1     | 1.03                         | 0.16         | 26            |
| G12                     | MDW-OSHD-4,366(2)-4,366(4)-4,CL-14AR90SP-R1     | 1.02                         | 0.12         | 24            |
| G13                     | MDW-OSHD-4,180(2)-4,CL-4,CL-14AR90SP-R1         | 1.25                         | 0.32         | 30            |
| G14                     | MDW-OSHD-4,270(2)-4,CL-4,CL-14AR90SP-R1         | 1.23                         | 0.19         | 23            |
| G15                     | MDW-OSHD-4,366(2)-4,CL-4,CL-14AR90SP-R1         | 1.22                         | 0.14         | 20            |
| G16                     | MDW-OSHD-4,366(2)-4,180(4)-4,i89(6)-14AR90SP-R1 | 0.99                         | 0.13         | 25            |
| G17                     | MDW-OSHD-4,180(2)-4,180(4)-4,i89(6)-14AR90SP-R1 | 1.00                         | 0.29         | 34            |
| G18                     | MDW-OSHD-4,270(2)-4,180(4)-4,i89(6)-14AR90SP-R1 | 0.99                         | 0.18         | 28            |
| G19                     | MDW-OSHD-4,270(2)-4,270(4)-4,i89(6)-14AR90SP-R1 | 0.98                         | 0.16         | 27            |
| G20                     | MDW-OSHD-4,366(2)-4,366(4)-4,i89(6)-14AR90SP-R1 | 0.97                         | 0.12         | 25            |
| G21                     | MDW-OSHD-4,366(2)-4,180(4)-4,CL-14AR90SP-R1     | 1.04                         | 0.14         | 24            |
| G22                     | MDW-OSHD-4,180(2)-4,CL-4,180(6)-14AR90SP-R1     | 1.12                         | 0.30         | 32            |
| G23                     | MDW-OSHD-4,270(2)-4,CL-4,270(6)-14AR90SP-R1     | 1.09                         | 0.17         | 25            |
| G24                     | MDW-OSHD-4,270(2)-4,270(4)-4,CL-12AR90SP-R1     | 1.06                         | 0.16         | 25            |
| G25                     | MDW-OSHD-4,270(2)-4,180(4)-4,i89(6)-12AR90SP-R1 | 1.02                         | 0.18         | 27            |
| G26                     | MDW-OSHD-4,270(2)-4,CL-4,CL-12AR90SP-R1         | 1.24                         | 0.19         | 23            |
| G27                     | MDW-OSHD-4,366(2)-4,CL-4,CL-12AR90SP-R1         | 1.23                         | 0.14         | 20            |
| G28                     | MDW-OSHD-4,366(2)-4,180(4)-4,i89(6)-12AR90SP-R1 | 1.02                         | 0.13         | 24            |



### Vinyl Series Smart Slide Door

| Glass / Grille Option # | Model Code                                    | U-Value (W/m <sup>2</sup> K) | Product SHGC | Energy Rating |
|-------------------------|---|------------------------------|--------------|---------------|
| G01                     | MDW-SD-4,180(2)-4,CL-18AR90SP-R1              | 1.61                         | 0.47         | 31            |
| G02                     | MDW-SD-4,272(2)-4,CL-18AR90SP-R1              | 1.57                         | 0.31         | 23            |
| G03                     | MDW-SD-4,270(2)-4,CL-18AR90SP-R1              | 1.56                         | 0.27         | 21            |
| G04                     | MDW-SD-4,366(2)-4,CL-18AR90SP-R1              | 1.54                         | 0.21         | 18            |
| G05                     | MDW-SD-4,180(2)-4,180(4)-18AR90SP-R1          | 1.32                         | 0.45         | 36            |
| G06                     | MDW-SD-4,270(2)-4,270(4)-18AR90SP-R1          | 1.26                         | 0.24         | 25            |
| G07                     | MDW-SD-4,366(2)-4,i89(4)-18AR90SP-R1          | 1.30                         | 0.20         | 22            |
| G08                     | MDW-SD-4,180(2)-4,i89(4)-18AR90SP-R1          | 1.36                         | 0.46         | 36            |
| G09                     | MDW-SD-4,270(2)-4,i89(4)-18AR90SP-R1          | 1.33                         | 0.27         | 26            |
| G10                     | MDW-SD-4,180(2)-4,180(4)-4,CL-14AR90SP-R1     | 1.01                         | 0.40         | 40            |
| G11                     | MDW-SD-4,270(2)-4,270(4)-4,CL-14AR90SP-R1     | 0.97                         | 0.21         | 30            |
| G12                     | MDW-SD-4,366(2)-4,366(4)-4,CL-14AR90SP-R1     | 0.95                         | 0.16         | 28            |
| G13                     | MDW-SD-4,180(2)-4,CL-4,CL-14AR90SP-R1         | 1.26                         | 0.43         | 36            |
| G14                     | MDW-SD-4,270(2)-4,CL-4,CL-14AR90SP-R1         | 1.23                         | 0.25         | 27            |
| G15                     | MDW-SD-4,366(2)-4,CL-4,CL-14AR90SP-R1         | 1.22                         | 0.19         | 23            |
| G16                     | MDW-SD-4,366(2)-4,180(4)-4,i89(6)-14AR90SP-R1 | 0.91                         | 0.18         | 30            |
| G17                     | MDW-SD-4,180(2)-4,180(4)-4,i89(6)-14AR90SP-R1 | 0.93                         | 0.39         | 41            |
| G18                     | MDW-SD-4,270(2)-4,180(4)-4,i89(6)-14AR90SP-R1 | 0.92                         | 0.24         | 33            |
| G19                     | MDW-SD-4,270(2)-4,270(4)-4,i89(6)-14AR90SP-R1 | 0.90                         | 0.21         | 32            |
| G20                     | MDW-SD-4,366(2)-4,366(4)-4,i89(6)-14AR90SP-R1 | 0.88                         | 0.16         | 29            |
| G21                     | MDW-SD-4,366(2)-4,180(4)-4,CL-14AR90SP-R1     | 0.98                         | 0.18         | 28            |
| G22                     | MDW-SD-4,180(2)-4,CL-4,180(6)-14AR90SP-R1     | 1.09                         | 0.41         | 39            |
| G23                     | MDW-SD-4,270(2)-4,CL-4,270(6)-14AR90SP-R1     | 1.05                         | 0.23         | 30            |
| G24                     | MDW-SD-4,270(2)-4,270(4)-4,CL-12AR90SP-R1     | 1.00                         | 0.21         | 29            |
| G25                     | MDW-SD-4,270(2)-4,180(4)-4,i89(6)-12AR90SP-R1 | 0.94                         | 0.24         | 32            |
| G26                     | MDW-SD-4,270(2)-4,CL-4,CL-12AR90SP-R1         | 1.24                         | 0.25         | 26            |
| G27                     | MDW-SD-4,366(2)-4,CL-4,CL-12AR90SP-R1         | 1.22                         | 0.19         | 23            |
| G28                     | MDW-SD-4,366(2)-4,180(4)-4,i89(6)-12AR90SP-R1 | 0.94                         | 0.18         | 29            |

### Vinyl Series Lift and Slide

| Glass / Grille Option # | Model Code                                    | U-Value (W/m <sup>2</sup> K) | Product SHGC | Energy Rating |
|-------------------------|---|------------------------------|--------------|---------------|
| G01                     | MDW-LSD-4,180(2)-4,CL-18AR90SP-R1-F1          | 1.55                         | 0.41         | 29            |
| G02                     | MDW-LSD-4,272(2)-4,CL-18AR90SP-R1-F1          | 1.52                         | 0.27         | 21            |
| G03                     | MDW-LSD-4,270(2)-4,CL-18AR90SP-R1-F1          | 1.51                         | 0.24         | 20            |
| G04                     | MDW-LSD-4,366(2)-4,CL-18AR90SP-R1-F1          | 1.49                         | 0.18         | 17            |
| G05                     | MDW-LSD-4,180(2)-4,180(4)-18AR90SP-R1-F1      | 1.31                         | 0.38         | 32            |
| G06                     | MDW-LSD-4,270(2)-4,270(4)-18AR90SP-R1-F1      | 1.26                         | 0.21         | 23            |
| G07                     | MDW-LSD-4,366(2)-4,i89(4)-18AR90SP-R1-F1      | 1.30                         | 0.18         | 21            |
| G08                     | MDW-LSD-4,180(2)-4,i89(4)-18AR90SP-R1-F1      | 1.35                         | 0.40         | 32            |
| G09                     | MDW-LSD-4,270(2)-4,i89(4)-18AR90SP-R1-F1      | 1.32                         | 0.23         | 23            |
| G10                     | MDW-LSD-4,180(2)-4,180(4)-4,CL-14AR90SP-R1-F1 | 1.03                         | 0.34         | 36            |
| G11                     | MDW-LSD-4,270(2)-4,270(4)-4,CL-14AR90SP-R1-F1 | 1.00                         | 0.19         | 28            |
| G12                     | MDW-LSD-4,366(2)-4,366(4)-4,CL-14AR90SP-R1-F1 | 0.98                         | 0.14         | 25            |
| G13                     | MDW-LSD-4,180(2)-4,CL-4,CL-14AR90SP-R1-F1     | 1.25                         | 0.37         | 33            |
| G14                     | MDW-LSD-4,270(2)-4,CL-4,CL-14AR90SP-R1-F1     | 1.22                         | 0.22         | 25            |
| G15                     | MDW-LSD-4,366(2)-4,CL-4,CL-14AR90SP-R1-F1     | 1.21                         | 0.16         | 22            |



| Glass / Grille Option # | Model Code  | U-Value (W/m <sup>2</sup> K) | Product SHGC | Energy Rating |
|-------------------------|---|------------------------------|--------------|---------------|
| G16                     | MDW-LSD-4,366(2)-4,180(4)-4,i89(6)-14AR90SP-R1-F1 | 0.94                         | 0.16         | 27            |
| G17                     | MDW-LSD-4,180(2)-4,180(4)-4,i89(6)-14AR90SP-R1-F1 | 0.96                         | 0.34         | 37            |
| G18                     | MDW-LSD-4,270(2)-4,180(4)-4,i89(6)-14AR90SP-R1-F1 | 0.95                         | 0.21         | 30            |
| G19                     | MDW-LSD-4,270(2)-4,270(4)-4,i89(6)-14AR90SP-R1-F1 | 0.94                         | 0.18         | 29            |
| G20                     | MDW-LSD-4,366(2)-4,366(4)-4,i89(6)-14AR90SP-R1-F1 | 0.92                         | 0.14         | 27            |
| G21                     | MDW-LSD-4,366(2)-4,180(4)-4,CL-14AR90SP-R1-F1     | 1.01                         | 0.16         | 26            |
| G22                     | MDW-LSD-4,180(2)-4,CL-4,180(6)-14AR90SP-R1-F1     | 1.09                         | 0.35         | 35            |
| G23                     | MDW-LSD-4,270(2)-4,CL-4,270(6)-14AR90SP-R1-F1     | 1.06                         | 0.20         | 27            |
| G24                     | MDW-LSD-4,270(2)-4,270(4)-4,CL-12AR90SP-R1-F1     | 1.03                         | 0.18         | 27            |
| G25                     | MDW-LSD-4,270(2)-4,180(4)-4,i89(6)-12AR90SP-R1-F1 | 0.98                         | 0.21         | 29            |
| G26                     | MDW-LSD-4,270(2)-4,CL-4,CL-12AR90SP-R1-F1         | 1.23                         | 0.22         | 25            |
| G27                     | MDW-LSD-4,366(2)-4,CL-4,CL-12AR90SP-R1-F1         | 1.22                         | 0.17         | 22            |
| G28                     | MDW-LSD-4,366(2)-4,180(4)-4,i89(6)-12AR90SP-R1-F1 | 0.97                         | 0.16         | 27            |

**Vinyl Series Multi-Slide Door**

| Glass / Grille Option # | Model Code  | U-Value (W/m <sup>2</sup> K) | Product SHGC | Energy Rating |
|-------------------------|---|------------------------------|--------------|---------------|
| G01                     | MDW-MSD-4,180(2)-4,CL-18AR90SP-R1                 | 1.75                         | 0.45         | 26            |
| G02                     | MDW-MSD-4,272(2)-4,CL-18AR90SP-R1                 | 1.72                         | 0.30         | 17            |
| G03                     | MDW-MSD-4,270(2)-4,CL-18AR90SP-R1                 | 1.71                         | 0.26         | 15            |
| G04                     | MDW-MSD-4,366(2)-4,CL-18AR90SP-R1                 | 1.68                         | 0.20         | 13            |
| G05                     | MDW-MSD-4,180(2)-4,180(4)-18AR90SP-R1             | 1.48                         | 0.43         | 30            |
| G06                     | MDW-MSD-4,270(2)-4,270(4)-18AR90SP-R1             | 1.42                         | 0.24         | 21            |
| G07                     | MDW-MSD-4,366(2)-4,i89(4)-18AR90SP-R1             | 1.46                         | 0.19         | 17            |
| G08                     | MDW-MSD-4,180(2)-4,i89(4)-18AR90SP-R1             | 1.52                         | 0.44         | 30            |
| G09                     | MDW-MSD-4,270(2)-4,i89(4)-18AR90SP-R1             | 1.49                         | 0.26         | 20            |
| G10                     | MDW-MSD-4,180(2)-4,180(4)-4,CL-12-10AR90SP-R1     | 1.26                         | 0.38         | 32            |
| G11                     | MDW-MSD-4,270(2)-4,270(4)-4,CL-12-10AR90SP-R1     | 1.22                         | 0.21         | 23            |
| G12                     | MDW-MSD-4,366(2)-4,366(4)-4,CL-12-10AR90SP-R1     | 1.21                         | 0.16         | 21            |
| G13                     | MDW-MSD-4,180(2)-4,CL-4,CL-12-10AR90SP-R1         | 1.46                         | 0.41         | 30            |
| G14                     | MDW-MSD-4,270(2)-4,CL-4,CL-12-10AR90SP-R1         | 1.43                         | 0.24         | 20            |
| G15                     | MDW-MSD-4,366(2)-4,CL-4,CL-12-10AR90SP-R1         | 1.41                         | 0.18         | 17            |
| G16                     | MDW-MSD-4,366(2)-4,180(4)-4,i89(6)-12-10AR90SP-R1 | 1.15                         | 0.17         | 22            |
| G17                     | MDW-MSD-4,180(2)-4,180(4)-4,i89(6)-12-10AR90SP-R1 | 1.17                         | 0.37         | 34            |
| G18                     | MDW-MSD-4,270(2)-4,180(4)-4,i89(6)-12-10AR90SP-R1 | 1.16                         | 0.23         | 26            |
| G19                     | MDW-MSD-4,270(2)-4,270(4)-4,i89(6)-12-10AR90SP-R1 | 1.15                         | 0.20         | 24            |
| G20                     | MDW-MSD-4,366(2)-4,366(4)-4,i89(6)-12-10AR90SP-R1 | 1.13                         | 0.15         | 22            |
| G21                     | MDW-MSD-4,366(2)-4,180(4)-4,CL-12-10AR90SP-R1     | 1.23                         | 0.18         | 21            |
| G22                     | MDW-MSD-4,180(2)-4,CL-4,180(6)-12-10AR90SP-R1     | 1.29                         | 0.39         | 32            |
| G23                     | MDW-MSD-4,270(2)-4,CL-4,270(6)-12-10AR90SP-R1     | 1.25                         | 0.22         | 23            |

**Notes:**

- Products are not intended for installation in storefronts, non-operable portions of curtain wall, fixed glazing cast into precast concrete panels, greenhouses, skylights or sloped glazing.



- Test procedures are designed to test the performance of the test specimen only and are not necessarily used to test the performance of the installation, particularly the perimeter sealant joint and anchoring of the assembly.
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