



## WINDOWS & DOORS LISTING PROGRAM

**Customer:** A1 Window Manufacturing Ltd.  
**Class:** Fenestration Products – Energy Performance  
**Location:** Burnaby, British Columbia  
**Website:** [www.a1windows.ca](http://www.a1windows.ca)

**Listing No.** W453-5  
**Project No.** W453-5 ED3  
**Effective Date:** March 25, 2021  
**Last Revised Date:** October 20, 2023  
**Expires:** N/A

**Standards:** CSA A440.2 “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: W453
- 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:

#### 5200 Series Sliding Patio Door

Glass / Grille Option #	Model Code	U-Factor (W/m <sup>2</sup> K)	Product SHGC	Energy Rating
G01	A1W-5200SD-3,270(2)-3,CL-16AR90SS-R1	1.61	0.31	22
G02	A1W-5200SD-4,270(2)-4,CL-14AR90SS-R1	1.59	0.30	22
G03	A1W-5200SD-3,366(2)-3,CL-16AR90SS-R1	1.58	0.23	18
G04	A1W-5200SD-4,366(2)-4,CL-14AR90SS-R1	1.57	0.23	19
G05	A1W-5200SD-3,270(2)-3,i89(4)-16AR90SS-R1	1.34	0.30	28



Glass / Grille Option #	Model Code	U-Factor (W/m <sup>2</sup> K)	Product SHGC	Energy Rating
G06	A1W-5200SD-4,270(2)-5,i89(4)-13AR90SS-R1	1.33	0.30	28
G07	A1W-5200SD-3,366(2)-3,i89(4)-16AR90SS-R1	1.33	0.22	23
G08	A1W-5200SD-4,366(2)-5,i89(4)-13AR90SS-R1	1.31	0.22	24

**5500 Series Tilt & Turn Door**

Glass / Grille Option #	Model Code	U-Factor (W/m <sup>2</sup> K)	Product SHGC	Energy Rating
G01	A1W-5500TTD-4,270(2)-4,CL-16AR90SS-R1	1.42	0.22	21
G02	A1W-5500TTD-4,270(2)-5,i89(4)-14AR90SS-R1	1.22	0.22	26
G03	A1W-5500TTD-4,366(2)-4,CL-16AR90SS-R1	1.40	0.17	19
G04	A1W-5500TTD-4,366(2)-5,i89(4)-14AR90SS-R1	1.21	0.17	23
G05	A1W-5500TTD-4,270(2)-4,CL-4,CL-16AR90SS-R1	1.15	0.21	27
G06	A1W-5500TTD-4,366(2)-4,CL-4,CL-16AR90SS-R1	1.14	0.16	24
G07	A1W-5500TTD-4,270(2)-4,CL-4,270(5)-16AR90SS-R1	0.94	0.19	30
G08	A1W-5500TTD-4,366(2)-4,CL-4,270(5)-16AR90SS-R1	0.93	0.15	28
G09	A1W-5500TTD-4,270(2)-4,CL-4,270(5)-16AR90ST-F1	0.82	0.19	33
G10	A1W-5500TTD-4,180(2)-4,CL-4,180(5)-16AR90ST-F1	0.86	0.33	40
G11	A1W-5500TTD-4,366(2)-4,CL-4,270(5)-16AR90ST-F1	0.82	0.15	30
G12	A1W-5500TTD-4,270(2)-4,CL-4,270(5)-16AR90ST-F2	0.80	0.19	33
G13	A1W-5500TTD-4,180(2)-4,CL-4,180(5)-16AR90ST-F2	0.83	0.33	40
G14	A1W-5500TTD-4,366(2)-4,CL-4,270(5)-16AR90ST-F2	0.79	0.15	31

**5500 Series Outswing Side-Hinged Door**

Glass / Grille Option #	Model Code	U-Factor (W/m <sup>2</sup> K)	Product SHGC	Energy Rating
G01	A1W-5500OSHD-4,270(2)-4,CL-16AR90SS-R1	1.42	0.22	21
G02	A1W-5500OSHD-4,270(2)-5,i89(4)-14AR90SS-R1	1.23	0.22	25
G03	A1W-5500OSHD-4,366(2)-4,CL-16AR90SS-R1	1.40	0.17	18
G04	A1W-5500OSHD-4,366(2)-5,i89(4)-14AR90SS-R1	1.21	0.17	23
G05	A1W-5500OSHD-4,270(2)-4,CL-4,CL-16AR90SS-R1	1.15	0.21	26
G06	A1W-5500OSHD-4,366(2)-4,CL-4,CL-16AR90SS-R1	1.14	0.16	23
G07	A1W-5500OSHD-4,270(2)-4,CL-4,270(5)-16AR90SS-R1	0.93	0.19	30
G08	A1W-5500OSHD-4,366(2)-4,CL-4,270(5)-16AR90SS-R1	0.92	0.15	28
G09	A1W-5500OSHD-4,270(2)-4,CL-4,270(5)-16AR90ST-F1	0.82	0.19	32
G10	A1W-5500OSHD-4,180(2)-4,CL-4,180(5)-16AR90ST-F1	0.85	0.33	40
G11	A1W-5500OSHD-4,366(2)-4,CL-4,270(5)-16AR90ST-F1	0.81	0.15	30
G12	A1W-5500OSHD-4,270(2)-4,CL-4,270(5)-16AR90ST-F2	0.80	0.19	33
G13	A1W-5500OSHD-4,180(2)-4,CL-4,180(5)-16AR90ST-F2	0.83	0.33	40
G14	A1W-5500OSHD-4,366(2)-4,CL-4,270(5)-16AR90ST-F2	0.79	0.15	31



### 5500 Series Tilt & Slide Door

Glass / Grille Option #	Model Code	U-Factor (W/m <sup>2</sup> K)	Product SHGC	Energy Rating
G01	A1W-5500TSD-4,270(2)-4,CL-16AR90SS-R1	1.46	0.26	23
G02	A1W-5500TSD-5,270(2)-5,CL-14AR90SS-R1	1.45	0.26	23
G03	A1W-5500TSD-4,270(2)-5,i89(4)-14AR90SS-R1	1.23	0.25	27
G04	A1W-5500TSD-5,270(2)-5,i89(4)-14AR90SS-R1	1.24	0.25	27
G05	A1W-5500TSD-4,366(2)-4,CL-16AR90SS-R1	1.43	0.19	19
G06	A1W-5500TSD-5,366(2)-5,CL-14AR90SS-R1	1.42	0.19	20
G07	A1W-5500TSD-4,366(2)-5,i89(4)-14AR90SS-R1	1.22	0.19	24
G08	A1W-5500TSD-5,366(2)-5,i89(4)-14AR90SS-R1	1.22	0.19	24
G09	A1W-5500TSD-4,270(2)-4,CL-4,CL-16AR90SS-R1	1.15	0.24	28
G10	A1W-5500TSD-5,270(2)-5,CL-5,CL-14AR90SS-R1	1.15	0.24	28
G11	A1W-5500TSD-4,366(2)-4,CL-4,CL-16AR90SS-R1	1.14	0.18	25
G12	A1W-5500TSD-5,366(2)-5,CL-5,CL-14AR90SS-R1	1.14	0.18	25
G13	A1W-5500TSD-4,270(2)-4,CL-4,270(5)-16AR90SS-R1	0.90	0.22	33
G14	A1W-5500TSD-5,270(2)-5,CL-5,270(5)-14AR90SS-R1	0.90	0.22	33
G15	A1W-5500TSD-4,366(2)-4,CL-4,270(5)-16AR90SS-R1	0.90	0.17	30
G16	A1W-5500TSD-5,366(2)-5,CL-5,270(5)-14AR90SS-R1	0.90	0.17	30

### 4500 Ultra Series Sliding Door

Glass / Grille Option #	Model Code	U-Factor (W/m <sup>2</sup> K)	Product SHGC	Energy Rating
G01	A1W-4500SD-3,270(2)-3,CL-18AR90SS-R1	1.58	0.29	22
G02	A1W-4500SD-3,366(2)-3,CL-18AR90SS-R1	1.55	0.22	18
G03	A1W-4500SD-3,270(2)-3,i89(4)-18AR90SS-R1	1.32	0.29	27
G04	A1W-4500SD-3,366(2)-3,i89(4)-18AR90SS-R1	1.31	0.21	23
G05	A1W-4500SD-4,270(2)-4,CL-16AR90SS-R1	1.57	0.29	22
G06	A1W-4500SD-4,366(2)-4,CL-16AR90SS-R1	1.54	0.22	19
G07	A1W-4500SD-4,270(2)-5,i89(4)-14AR90SS-R1	1.26	0.28	28
G08	A1W-4500SD-4,366(2)-5,i89(4)-14AR90SS-R1	1.25	0.21	24
G09	A1W-4500SD-5,270(2)-5,CL-14AR90SS-R1	1.55	0.29	22
G10	A1W-4500SD-5,366(2)-5,CL-14AR90SS-R1	1.53	0.22	19
G11	A1W-4500SD-5,270(2)-5,i89(4)-14AR90SS-R1	1.31	0.28	27
G12	A1W-4500SD-5,366(2)-5,i89(4)-14AR90SS-R1	1.29	0.21	23
G13	A1W-4500SD-3,270(2)-3,CL-3,CL-14AR90SS-R1	1.24	0.27	28
G14	A1W-4500SD-4,270(2)-4,CL-4,CL-13AR90SS-R1	1.24	0.27	28
G15	A1W-4500SD-5,270(2)-5,CL-5,CL-11AR90SS-R1	1.26	0.27	28
G16	A1W-4500SD-3,366(2)-3,CL-3,CL-14AR90SS-R1	1.23	0.20	24
G17	A1W-4500SD-4,366(2)-4,CL-4,CL-13AR90SS-R1	1.22	0.20	24
G18	A1W-4500SD-5,366(2)-5,CL-5,CL-11AR90SS-R1	1.25	0.20	24
G19	A1W-4500SD-4,270(2)-4,CL-4,180(5)-13AR90SS-R1	0.99	0.26	33
G20	A1W-4500SD-5,270(2)-5,CL-5,180(5)-11AR90SS-R1	1.04	0.26	32



**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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