

WINDOWS & DOORS LISTING PROGRAM

Customer: McLeod Windows and Doors
 Class: Windows – Vinyl – Energy Performance
 Location: Edmonton, AB

Listing No. W439-1
 Report No. W439-1 ED4
 Project No. W439-1 ED4
 Effective Date: March 14, 2013
 Last Revised Date: December 19, 2016
 Expires: <N/A>

Standards: CSA A440.2 “Fenestration Energy Performance”

Product: Vinyl Windows

Markings: Each product is marked with the following content on a permanent label that is readily visible after installation:

- a) Manufacturer’s Name, Trademark or other recognized symbol of identification
- b) QAI File Number (W439)
- c) “Evaluation for energy performance in accordance with CSA A440.2”
- d) “Évalué pour la performance d’énergie en accord à la norme CSA A440.2”
- e) QAI logo shown here:



Models / Ratings: 10000 Series Fixed Window:

Product Model Code:	U-Value (W/m²K)	Energy Rating
10000F-MHS3000	1.87	30
10000F-MHS3000A	1.69	34
10000F-MHS3000AG	1.73	32
10000F-MHS3100	1.72	19
10000F-MHS3100A	1.52	24
10000F-MHS3100AG	1.55	22
10000F-MHS3200	1.40	37
10000F-MHS3200A1	1.29	39
10000F-MHS3200A2	1.27	40
10000F-MHS3200A2G	1.29	38



10000F-MHS3300	1.20	37
10000F-MHS3300A1	1.12	38
10000F-MHS3300A2	1.06	40
10000F-MHS3300A2G	1.08	38
10000F-MHS3400	1.33	26
10000F-MHS3400A1	1.31	27
10000F-MHS3400A2	1.20	29
10000F-MHS3400A2G	1.21	29
10000F-MHS3500	1.08	31
10000F-MHS3500A1	1.00	33
10000F-MHS3500A2	0.93	34
10000F-MHS3500A2G	0.94	33
10000F-CI-Arg-8070,ss	1.58	36
10000F-CI-Arg-8070,ss,Grids	1.60	34
10000F-7138-Arg-CI,ss	1.47	25
10000F-7138-Arg-CI,ss,Grids	1.49	24
10000F-7138-Arg-CI-Air-CI,ss	1.17	30
10000F-7138-Arg-CI-Air-CI,ss,Grids	1.17	29
10000F-7138-Arg-7138-Arg-CI,ss	0.89	34
10000F-7138-Arg-7138-Arg-CI,ss,Grids	0.90	34
10000F-CI-Air-CI-Arg-8070,ss	1.21	40
10000F-CI-Air-CI-Arg-8070,ss,Grids	1.23	38
10000F-CI-Arg-8070-Arg-8070,ss	0.97	45
10000F-CI-Arg-8070-Arg-8070,ss,Grids	0.98	43
10000F-7036-Arg-CI,ss	1.51	23
10000F-7036-Arg-CI,ss,Grids	1.53	22
10000F-7036-Arg-CI-Air-CI,ss	1.20	29
10000F-7036-Arg-CI-Air-CI,ss,Grids	1.20	28
10000F-7036-Arg-7036-Arg-CI,ss	0.92	33
10000F-7036-Arg-7036-Arg-CI,ss,Grids	0.93	32

10000 Series Casement Window:

Product Model Code:	U-Value (W/m ² K)	Energy Rating
10000C-MHS3000	1.84	26
10000C-MHS3000A	1.69	29
10000C-MHS3000AG	1.72	28
10000C-MHS3100	1.72	17
10000C-MHS3100A	1.55	21
10000C-MHS3100AG	1.57	19
10000C-MHS3200	1.46	31
10000C-MHS3200A1	1.37	33
10000C-MHS3200A2	1.35	34
10000C-MHS3200A2G	1.36	32



10000C-MHS3300	1.29	31
10000C-MHS3300A1	1.23	33
10000C-MHS3300A2	1.18	34
10000C-MHS3300A2G	1.19	33
10000C-MHS3400	1.40	23
10000C-MHS3400A1	1.38	23
10000C-MHS3400A2	1.29	25
10000C-MHS3400A2G	1.29	24
10000C-MHS3500	1.19	26
10000C-MHS3500A1	1.12	28
10000C-MHS3500A2	1.07	29
10000C-MHS3500A2G	1.08	28
10000C-Cl-Arg-8070,ss	1.59	31
10000C-Cl-Arg-8070,ss,Grids	1.60	30
10000C-7138-Arg-Cl,ss	1.50	22
10000C-7138-Arg-Cl,ss,Grids	1.51	21
10000C-7138-Arg-Cl-Air-Cl,ss	1.22	27
10000C-7138-Arg-Cl-Air-Cl,ss,Grids	1.23	26
10000C-7138-Arg-7138-Arg-Cl,ss	0.98	30
10000C-7138-Arg-7138-Arg-Cl,ss,Grids	0.99	30
10000C-Cl-Air-Cl-Arg-8070,ss	1.26	35
10000C-Cl-Air-Cl-Arg-8070,ss,Grids	1.27	34
10000C-Cl-Arg-8070-Arg-8070,ss	1.05	40
10000C-Cl-Arg-8070-Arg-8070,ss,Grids	1.06	38
10000C-7036-Arg-Cl,ss	1.54	20
10000C-7036-Arg-Cl,ss,Grids	1.55	19
10000C-7036-Arg-Cl-Air-Cl,ss	1.26	25
10000C-7036-Arg-Cl-air-Cl,ss,Grids	1.27	24
10000C-7036-Arg-7036-Arg-Cl,ss	1.03	28
10000C-7036-Arg-7036-Arg-Cl,ss,Grids	1.04	28

1000 Series Awning Window:

Product Model Code:	U-Value (W/m ² K)	Energy Rating
10000A-MHS3000	1.86	26
10000A-MHS3000A	1.71	29
10000A-MHS3000AG	1.72	28
10000A-MHS3100	1.73	17
10000A-MHS3100A	1.56	20
10000A-MHS3100AG	1.57	19
10000A-MHS3200	1.45	32
10000A-MHS3200A1	1.36	33
10000A-MHS3200A2	1.34	34
10000A-MHS3200A2G	1.34	33



10000A-MHS3300	1.27	32
10000A-MHS3300A1	1.21	33
10000A-MHS3300A2	1.16	34
10000A-MHS3300A2G	1.16	33
10000A-MHS3400	1.39	23
10000A-MHS3400A1	1.37	23
10000A-MHS3400A2	1.27	25
10000A-MHS3400A2G	1.27	25
10000A-MHS3500	1.17	27
10000A-MHS3500A1	1.10	28
10000A-MHS3500A2	1.05	29
10000A-MHS3500A2G	1.05	29
10000A-Cl-Arg-8070,ss	1.61	31
10000A-Cl-Arg-8070,ss,Grids	1.61	30
10000A-7138-Arg-Cl,ss	1.52	22
10000A-7138-Arg-Cl,ss,Grids	1.52	21
10000A-7138-Arg-Cl-Air-Cl,ss	1.24	26
10000A-7138-Arg-Cl-Air-Cl,ss,Grids	1.24	26
10000A-7138-Arg-7138-Arg-Cl,ss	1.00	30
10000A-7138-Arg-7138-Arg-Cl,ss,Grids	1.00	30
10000A-Cl-Air-Cl-Arg-8070,ss	1.28	34
10000A-Cl-Air-Cl-Arg-8070,ss,Grids	1.28	34
10000A-Cl-Arg-8070-Arg-8070,ss	1.07	39
10000A-Cl-Arg-8070-Arg-8070,ss,Grids	1.07	38
10000A-7036-Arg-Cl,ss	1.56	20
10000A-7036-Arg-Cl,ss,Grids	1.56	19
10000A-7036-Arg-Cl-Air-Cl,ss	1.28	25
10000A-7036-Arg-Cl-Air-Cl,ss,Grids	1.28	24
10000A-7036-Arg-7036-Arg-Cl	1.04	28
10000A-7036-Arg-7036-Arg-Cl,ss,Grids	1.05	27

10000 Series Picture Window:

Product Model Code:	U-Value (W/m ² K)	Energy Rating
10000P-MHS3000	1.93	33
10000P-MHS3000A	1.73	37
10000P-MHS3000AG	1.77	35
10000P-MHS3100	1.76	21
10000P-MHS3100A	1.54	25
10000P-MHS3100AG	1.57	24
10000P-MHS3200	1.40	40
10000P-MHS3200A1	1.38	41
10000P-MHS3200A2	1.25	43
10000P-MHS3200A2G	1.28	42



10000P-MHS3300	1.18	40
10000P-MHS3300A1	1.10	42
10000P-MHS3300A2	1.03	44
10000P-MHS3300A2G	1.04	42
10000P-MHS3400	1.33	29
10000P-MHS3400A1	1.30	29
10000P-MHS3400A2	1.18	32
10000P-MHS3400A2G	1.19	31
10000P-MHS3500	1.04	34
10000P-MHS3500A1	0.95	36
10000P-MHS3500A2	0.88	37
10000P-MHS3500A2G	0.89	36
10000P-CI-Arg-8070,ss	1.63	40
10000P-CI-Arg-8070,ss,Grids	1.67	37
10000P-7036-Arg-CI,ss	1.52	24
10000P-7036-Arg-CI,ss,Grids	1.57	23
10000P-7036-Arg-CI-Air-CI,ss	1.19	31
10000P-7036-Arg-CI-Air-CI,ss,Grids	1.21	30
10000P-7036-Arg-7138-Arg-CI,ss	0.87	35
10000P-7036-Arg-7138-Arg-CI,ss,Grids	0.90	34
10000P-CI-Air-CI-Arg-8070,ss	1.22	44
10000P-CI-Air-CI-Arg-8070,ss,Grids	1.25	43
10000P-CI-Arg-8070-Arg-8070,ss	0.95	49
10000P-CI-Arg-8070-Arg-8070,ss,Grids	0.98	47

10000 Series Horizontal Sliding Window:

Product Model Code:	U-Value (W/m ² K)	Energy Rating
10000SL-MHS3000	2.06	24
10000SL-MHS3000A	1.89	29
10000SL-MHS3000AG	1.93	27
10000SL-MHS3100	1.91	15
10000SL-MHS3100A	1.72	19
10000SL-MHS3100AG	1.75	18
10000SL-MHS3200	1.85	26
10000SL-MHS3200A1	1.71	30
10000SL-MHS3200A2	1.67	31
10000SL-MHS3200A2G	1.72	28
10000SL-MHS3300	1.67	26
10000SL-MHS3300A1	1.56	28
10000SL-MHS3300A2	1.48	30
10000SL-MHS3300A2G	1.51	29
10000SL-MHS3400	1.79	16
10000SL-MHS3400A1	1.75	17



10000SL-MHS3400A2	1.59	21
10000SL-MHS3400A2G	1.61	19
10000SL-MHS3500	1.56	20
10000SL-MHS3500A1	1.45	23
10000SL-MHS3500A2	1.36	25
10000SL-MHS3500A2G	1.39	23
10000SL-Cl-Arg-8070,ss	1.79	31
10000SL-Cl-Arg-8070,ss,Grids	1.82	29
10000SL-7036-Arg-Cl,ss	1.70	18
10000SL-7036-Arg-Cl,ss,Grids	1.73	17
10000SL-7036-Arg-Cl-Air-Cl,ss	1.57	20
10000SL-7036-Arg-Cl-Air-Cl,ss,Grids	1.61	18
10000SL-7036-Arg-7036-Arg-Cl,ss	1.32	23
10000SL-7036-Arg-7036-Arg-Cl,ss,Grids	1.37	21
10000SL-Cl-Air-Cl-Arg-8070,ss	1.62	30
10000SL-Cl-Air-Cl-Arg-8070,ss,Grids	1.69	29
10000SL-Cl-Arg-8070-Arg-8070,ss	1.38	36
10000SL-Cl-Arg-8070-Arg-8070,ss,Grids	1.44	33

10000 Series Single Hung Window:

Product Model Code:	U-Value (W/m ² K)	Energy Rating
10000SH-MHS3000	2.04	25
10000SH-MHS3000A	1.87	29
10000SH-MHS3000AG	1.91	26
10000SH-MHS3100	1.89	15
10000SH-MHS3100A	1.70	19
10000SH-MHS3100AG	1.73	18
10000SH-Cl-Arg-8070,ss	1.78	31
10000SH-Cl-Arg-8070,ss,Grids	1.82	29
10000SH-7036-Arg-Cl,ss	1.69	18
10000SH-7036-Arg-Cl,ss,Grids	1.73	17
10000SH-7036-Arg-Cl-Air-Cl,ss	1.59	19
10000SH-7036-Arg-Cl-Air-Cl,ss,Grids	1.59	17
10000SH-7036-Arg-7036-Arg-Cl,ss	1.30	23
10000SH-7036-Arg-7036-Arg-Cl,ss,Grids	1.35	21
10000SH-Cl-Air-Cl-Arg-8070,ss	1.61	30
10000SH-Cl-Air-Cl-Arg-8070,ss,Grids	1.67	27
10000SH-Cl-Arg-8070-Arg-8070,ss	1.37	34
10000SH-Cl-Arg-8070-Arg-8070,ss,Grids	1.42	32

Notes: Listed products meet the energy requirements of the standards listed above. Windows 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. Final acceptance of the product in a building is subject to approval by the authority having jurisdiction.

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