

NFRC Product Certification Authorization Report



Manufacturer: Lawson Industries

Product Series: 8500/8600 Horizontal Sliding Window

Simulation Lab: SFTL

Initial Cert. Date: 05/16/2007

Street: 8501 NW 90th Street

Product Type: HSOX

Sim. Report #: 9053

Re-Certification Date: 08/26/2016

City/State/Zip: Medley, FL 33166

Air Leakage:

Sim. Report Date: 07/20/2016

Revised Date: 07/20/2016

Print Date: 09/01/2016

Test Date: 07/21/2016

Expiration Date: 07/21/2021

CPD Number: LAW-A-2 **IA:** American Architectural Manufacturers Association

| Status | Product Num. | Manufacturer Code | Frame/Sash | Glaz Lyrs | Low-E (Surface) | Gap Width(s) | Spacer | Gap Fill | Grids | Dividers | Tint | U-Factor | SHGC | VT | Cond. Res. |
|--------|--------------|---|------------|-----------|-----------------|--------------|--------|-------------------------|-------|----------|------|----------|------|------|------------|
| | 00035-00001 | 1/8 Gray - Air - 1/8 Clear | AL/AL | 2 | | 0.250 | A8-S | Fill 1: AIR (100) | N | | GY | 0.74 | 0.50 | 0.45 | 20 |
| | 00035-00002 | 1/8 Clear - Air - 1/8 Clear | AL/AL | 2 | | 0.250 | A8-S | Fill 1: AIR (100) | N | | CL | 0.74 | 0.63 | 0.65 | 20 |
| | 00035-00003 | 1/8 Green - Air - 1/8 Clear | AL/AL | 2 | | 0.250 | A8-S | Fill 1: AIR (100) | N | | GR | 0.74 | 0.50 | 0.60 | 20 |
| | 00035-00004 | 1/8 Bronze - Air - 1/8 Clear | AL/AL | 2 | | 0.250 | A8-S | Fill 1: AIR (100) | N | | BZ | 0.74 | 0.51 | 0.49 | 20 |
| | 00036-00001 | 1/8 E2 - Air - 1/8 Clear | AL/AL | 2 | 0.204(2) | 0.250 | A8-S | Fill 1: AIR (100) | N | | CL | 0.68 | 0.55 | 0.60 | 20 |
| | 00037-00001 | 1/8 Clear | AL/AL | 1 | | | N | | N | | CL | 1.12 | 0.71 | 0.72 | 12 |
| | 00037-00002 | 1/8 Green | AL/AL | 1 | | | N | | N | | GR | 1.12 | 0.58 | 0.66 | 12 |
| | 00037-00003 | 1/8 Bronze | AL/AL | 1 | | | N | | N | | BZ | 1.12 | 0.59 | 0.54 | 12 |
| | 00037-00004 | 1/8 Gray | AL/AL | 1 | | | N | | N | | GR | 1.12 | 0.58 | 0.49 | 12 |
| | 00037-00005 | 3/16 Clear | AL/AL | 1 | | | N | | N | | CL | 1.12 | 0.69 | 0.71 | 12 |
| | 00037-00006 | 3/16 Green | AL/AL | 1 | | | N | | N | | GR | 1.12 | 0.53 | 0.63 | 12 |
| | 00037-00007 | 3/16 Bronze | AL/AL | 1 | | | N | | N | | BZ | 1.12 | 0.54 | 0.46 | 12 |
| | 00037-00008 | 3/16 Gray | AL/AL | 1 | | | N | | N | | GY | 1.12 | 0.52 | 0.40 | 12 |
| | 00037-00009 | 1/4 Clear | AL/AL | 1 | | | N | | N | | CL | 1.12 | 0.67 | 0.71 | 12 |
| | 00037-00010 | 1/4 Green | AL/AL | 1 | | | N | | N | | GR | 1.12 | 0.51 | 0.61 | 12 |
| | 00037-00011 | 1/4 Bronze | AL/AL | 1 | | | N | | N | | BZ | 1.12 | 0.51 | 0.43 | 12 |
| | 00037-00012 | 1/4 Gray | AL/AL | 1 | | | N | | N | | GY | 1.12 | 0.49 | 0.36 | 12 |
| | 00038-00001 | 1/8 LoE 366 - Air - 1/8 Clear | AL/AL | 2 | 0.022(2) | 0.250 | A8-S | Fill 1: AIR (100) | N | | CL | 0.63 | 0.25 | 0.51 | 20 |
| | 00039-00001 | 1/8 LoE 270 - Air - 1/8 Clear | AL/AL | 2 | 0.037(2) | 0.250 | A8-S | Fill 1: AIR (100) | N | | CL | 0.64 | 0.32 | 0.56 | 20 |
| | 00040-00001 | 1/8 LoE 240 - Air - 1/8 Clear | AL/AL | 2 | 0.057(2) | 0.250 | A8-S | Fill 1: AIR (100) | N | | CL | 0.64 | 0.24 | 0.32 | 20 |
| | 00041-00001 | 1/8 LoE 366 - Arg - 1/8 Clear | AL/AL | 2 | 0.022(2) | 0.250 | A8-S | Fill 1: ARG/AIR (90/10) | N | | CL | 0.58 | 0.24 | 0.51 | 21 |
| | 00042-00001 | 1/8 LoE 270 - Arg - 1/8 Clear | AL/AL | 2 | 0.037(2) | 0.250 | A8-S | Fill 1: ARG/AIR (90/10) | N | | CL | 0.58 | 0.32 | 0.56 | 21 |
| | 00043-00001 | 1/8 LoE 240 - Arg - 1/8 Clear | AL/AL | 2 | 0.057(2) | 0.250 | A8-S | Fill 1: ARG/AIR (90/10) | N | | CL | 0.59 | 0.23 | 0.32 | 21 |
| | 00044-00001 | 1/8 Comfort Select 28 - Air - 1/8 Clear | AL/AL | 2 | 0.021(2) | 0.250 | A8-S | Fill 1: AIR (100) | N | | CL | 0.63 | 0.25 | 0.50 | 20 |

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|--------|--------------|---|------------|-----------|-----------------|--------------|--------|-------------------------|-------|----------|------|----------|------|------|------------|
| | 00045-00001 | 1/8 Comfort Select 36 - Air - 1/8 Clear | AL/AL | 2 | 0.027(2) | 0.250 | A8-S | Fill 1: AIR (100) | N | | CL | 0.63 | 0.31 | 0.53 | 20 |
| | 00046-00001 | 1/8 Clima Guard 55/27 - Air - 1/8 Clear | AL/AL | 2 | 0.031(2) | 0.250 | A8-S | Fill 1: AIR (100) | N | | CL | 0.64 | 0.25 | 0.44 | 20 |
| | 00047-00001 | 1/8 Clima Guard 63/36 - Air - 1/8 Clear | AL/AL | 2 | 0.033(2) | 0.250 | A8-S | Fill 1: AIR (100) | N | | CL | 0.64 | 0.27 | 0.50 | 20 |
| | 00048-00001 | 1/8 Clima Guard 70/36 - Air - 1/8 Clear | AL/AL | 2 | 0.036(2) | 0.250 | A8-S | Fill 1: AIR (100) | N | | CL | 0.64 | 0.30 | 0.51 | 20 |
| | 00049-00001 | 1/8 Comfort Select 28 - Arg - 1/8 Clear | AL/AL | 2 | 0.021(2) | 0.250 | A8-S | Fill 1: ARG/AIR (90/10) | N | | CL | 0.58 | 0.28 | 0.50 | 21 |
| | 00050-00001 | 1/8 Comfort Select 36 - Arg - 1/8 Clear | AL/AL | 2 | 0.027(2) | 0.250 | A8-S | Fill 1: ARG/AIR (90/10) | N | | CL | 0.58 | 0.31 | 0.53 | 21 |
| | 00051-00001 | 1/8 Clima Guard 55/27 - Arg - 1/8 Clear | AL/AL | 2 | 0.031(2) | 0.250 | A8-S | Fill 1: ARG/AIR (90/10) | N | | CL | 0.58 | 0.25 | 0.44 | 21 |
| | 00052-00001 | 1/8 Clima Guard 63/31 - Arg - 1/8 Clear | AL/AL | 2 | 0.033(2) | 0.250 | A8-S | Fill 1: ARG/AIR (90/10) | N | | CL | 0.58 | 0.27 | 0.50 | 21 |
| | 00053-00001 | 1/8 Clima Guard 70/36 - Arg - 1/8 Clear | AL/AL | 2 | 0.036(2) | 0.250 | A8-S | Fill 1: ARG/AIR (90/10) | N | | CL | 0.58 | 0.29 | 0.51 | 21 |

Baseline Information

| Test Lab | Test Date | Test Size | Tested U-Value | Standard U-Value | Test Report Number |
|-----------------|-------------------|-------------------|-----------------------|-------------------------|---------------------------|
| TFTL | 07/21/2016 | 1500 mm x 1200 mm | 0.638 | 0.609 | 9011 |

Comments:

I hereby certify that all requirements for NFRC Certification Authorization have been met and that the above information is true and correct, to the best of my knowledge.

Authorized IA
Signature: _____