

# NFRC Product Certification Authorization Report



**Manufacturer:** Lawson Industries      **Product Series:** 3000/3200 Casement Window      **Simulation Lab:** SFTL      **Initial Cert. Date:** 08/05/2022  
**Street:** 8501 NW 90th Street      **Product Type:** CSSV      **Sim. Report #:** 12797      **Re-Certification Date:**  
**City/State/Zip:** Medley, FL 33166      **Air Leakage:**      **Sim. Report Date:** 09/10/2021      **Revised Date:** 01/01/1970  
**Print Date:** 08/05/2022      **Test Date:** 09/16/2021      **Expiration Date:** 09/16/2026

CPD Number: LAW-M-28															IA: National Accreditation And Management Institute
Status	Product Num.	Manufacturer Code	Frame/Sash	Glaz Llys	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Res.
	00001-00001	1/8 Clear - AIR - 1/8 Clear	AL/AL	2		0.250	A8-S	Fill 1: AIR(100)	N		CL	0.78	0.54	0.55	19
	00001-00002	1/8 Clear - AIR - 1/8 Clear	AL/AL	2		0.250	P2-S	Fill 1: AIR(100)	N		CL	0.78	0.54	0.55	19
	00001-00003	1/8 Green - AIR - 1/8 Clear	AL/AL	2		0.250	A8-S	Fill 1: AIR(100)	N		GR	0.78	0.43	0.50	19
	00001-00004	1/8 Green - AIR - 1/8 Clear	AL/AL	2		0.250	P2-S	Fill 1: AIR(100)	N		GR	0.78	0.43	0.50	19
	00001-00005	1/8 Bronze - AIR - 1/8 Clear	AL/AL	2		0.250	A8-S	Fill 1: AIR(100)	N		BZ	0.78	0.44	0.41	19
	00001-00006	1/8 Bronze - AIR - 1/8 Clear	AL/AL	2		0.250	P2-S	Fill 1: AIR(100)	N		BZ	0.78	0.44	0.41	19
	00001-00007	1/8 Gray - AIR - 1/8 Clear	AL/AL	2		0.250	A8-S	Fill 1: AIR(100)	N		GY	0.78	0.42	0.36	19
	00001-00008	1/8 Gray - AIR - 1/8 Clear	AL/AL	2		0.250	P2-S	Fill 1: AIR(100)	N		GY	0.78	0.42	0.36	19
	00001-00009	3/16 Clear - AIR - 3/16 Clear	AL/AL	2		0.250	A8-S	Fill 1: AIR(100)	N		CL	0.78	0.52	0.54	19
	00001-00010	3/16 Clear - AIR - 3/16 Clear	AL/AL	2		0.250	P2-S	Fill 1: AIR(100)	N		CL	0.78	0.52	0.54	19
	00001-00011	3/16 Green - AIR - 3/16 Clear	AL/AL	2		0.250	A8-S	Fill 1: AIR(100)	N		GR	0.78	0.38	0.47	19
	00001-00012	3/16 Green - AIR - 3/16 Clear	AL/AL	2		0.250	P2-S	Fill 1: AIR(100)	N		GR	0.78	0.38	0.47	19
	00001-00013	3/16 Bronze - AIR - 3/16 Clear	AL/AL	2		0.250	A8-S	Fill 1: AIR(100)	N		BZ	0.78	0.39	0.35	19
	00001-00014	3/16 Bronze - AIR - 3/16 Clear	AL/AL	2		0.250	P2-S	Fill 1: AIR(100)	N		BZ	0.78	0.39	0.35	19
	00001-00015	3/16 Gray - AIR - 3/16 Clear	AL/AL	2		0.250	A8-S	Fill 1: AIR(100)	N		GY	0.78	0.37	0.30	19
	00001-00016	3/16 Gray - AIR - 3/16 Clear	AL/AL	2		0.250	P2-S	Fill 1: AIR(100)	N		GY	0.78	0.37	0.30	19
	00002-00001	3/16 Solarban Z50 - AIR - 3/16 Clear	AL/AL	2	0.035(2)	0.250	A8-S	Fill 1: AIR(100)	N		CL	0.70	0.26	0.36	20
	00002-00002	3/16 Solarban Z50 - AIR - 3/16 Clear	AL/AL	2	0.035(2)	0.250	P2-S	Fill 1: AIR(100)	N		CL	0.70	0.26	0.36	20
	00003-00001	1/8 E2 - AIR - 1/8 Clear	AL/AL	2	0.202(2)	0.250	A8-S	Fill 1: AIR(100)	N		CL	0.72	0.46	0.50	19
	00003-00002	1/8 E2 - AIR - 1/8 Clear	AL/AL	2	0.202(2)	0.250	P2-S	Fill 1: AIR(100)	N		CL	0.72	0.46	0.50	19
	00003-00003	3/16 E2 - AIR - 3/16 Clear	AL/AL	2	0.202(2)	0.250	A8-S	Fill 1: AIR(100)	N		CL	0.72	0.45	0.50	19
	00003-00004	3/16 E2 - AIR - 3/16 Clear	AL/AL	2	0.202(2)	0.250	P2-S	Fill 1: AIR(100)	N		CL	0.72	0.45	0.50	19
	00004-00001	1/8 Clear	AL/AL	1			N		N		CL	1.09	0.60	0.60	11
	00004-00002	1/8 Green	AL/AL	1			N		N		GR	1.09	0.50	0.55	11

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	00004-00003	1/8 Bronze	AL/AL	1			N		N		BZ	1.09	0.51	0.44	11
	00004-00004	1/8 Gray	AL/AL	1			N		N		GY	1.09	0.50	0.41	11
	00004-00005	3/16 Clear	AL/AL	1			N		N		CL	1.09	0.59	0.60	11
	00004-00006	3/16 Green	AL/AL	1			N		N		GR	1.09	0.46	0.53	11
	00004-00007	3/16 Bronze	AL/AL	1			N		N		BZ	1.09	0.47	0.39	11
	00004-00008	3/16 Gray	AL/AL	1			N		N		GY	1.09	0.45	0.33	11
	00004-00009	1/4 Clear	AL/AL	1			N		N		CL	1.09	0.58	0.59	11
	00004-00010	1/4 Green	AL/AL	1			N		N		GR	1.09	0.44	0.51	11
	00004-00011	1/4 Bronze	AL/AL	1			N		N		BZ	1.09	0.44	0.36	11
	00004-00012	1/4 Gray	AL/AL	1			N		N		GY	1.09	0.42	0.30	11
	00005-00001	1/8 LoE 366 - AIR - 1/8 Clear	AL/AL	2	0.022(2)	0.250	A8-S	Fill 1: AIR(100)	N		CL	0.70	0.22	0.43	19
	00005-00002	1/8 LoE 366 - AIR - 1/8 Clear	AL/AL	2	0.022(2)	0.250	P2-S	Fill 1: AIR(100)	N		CL	0.70	0.22	0.43	19
	00006-00001	1/8 LoE 270 - AIR - 1/8 Clear	AL/AL	2	0.037(2)	0.250	A8-S	Fill 1: AIR(100)	N		CL	0.70	0.28	0.47	19
	00006-00002	1/8 LoE 270 - AIR - 1/8 Clear	AL/AL	2	0.037(2)	0.250	P2-S	Fill 1: AIR(100)	N		CL	0.70	0.28	0.47	19
	00007-00001	1/8 LoE 240 - AIR - 1/8 Clear	AL/AL	2	0.057(2)	0.250	A8-S	Fill 1: AIR(100)	N		CL	0.70	0.21	0.27	19
	00007-00002	1/8 LoE 240 - AIR - 1/8 Clear	AL/AL	2	0.057(2)	0.250	P2-S	Fill 1: AIR(100)	N		CL	0.70	0.21	0.27	19
	00008-00001	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	0.65	0.21	0.43	19
	00008-00002	1/8 LoE 366 - ARG - 1/8 Clear	AL/AL	2	0.022(2)	0.250	P2-S	Fill 1: ARG/AIR(90/10)	N		CL	0.65	0.21	0.43	19
	00009-00001	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	0.65	0.28	0.47	19
	00009-00002	1/8 LoE 270- ARG - 1/8 Clear	AL/AL	2	0.037(2)	0.250	P2-S	Fill 1: ARG/AIR(90/10)	N		CL	0.65	0.28	0.47	19
	00010-00001	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	0.66	0.20	0.27	19
	00010-00002	1/8 LoE 240 - ARG - 1/8 Clear	AL/AL	2	0.057(2)	0.250	P2-S	Fill 1: ARG/AIR(90/10)	N		CL	0.66	0.20	0.27	19
	00011-00001	1/8 Clear - 090 PVB - 1/8 Clear	AL/AL	1			N		N		CL	1.05	0.54	0.58	14
	00011-00002	1/8 Bronz - 090 PVB - 1/8 Clear	AL/AL	1			N		N		BZ	1.05	0.47	0.44	14

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	00011-00003	1/8 GY - 090 PVB - 1/8 Clear	AL/AL	1			N		N		GY	1.05	0.45	0.40	14
	00011-00004	1/8 Clear - 090 Gray PVB - 1/8 Clear	AL/AL	1			N		N		GY	1.05	0.44	0.29	14
	00011-00005	1/8 Clear - 090 Bronze PVB - 1/8 Clear	AL/AL	1			N		N		BZ	1.05	0.45	0.35	14
	00011-00006	3/16 Clear - 090 PVB- 3/16 Clear	AL/AL	1			N		N		CL	1.05	0.52	0.58	14
	00011-00007	3/16 Bronze - 090 PVB - 3/16 Clear	AL/AL	1			N		N		BZ	1.05	0.42	0.38	14
	00011-00008	3/16 Gray - 090 PVB - 3/16 Clear	AL/AL	1			N		N		GY	1.05	0.40	0.33	14
	00011-00009	3/16 Clear - 090 Gray PVB - 3/16 Clear	AL/AL	1			N		N		GY	1.05	0.42	0.29	14
	00011-00010	3/16 Clear - 090 Bronze PVB - 3/16 Clear	AL/AL	1			N		N		BZ	1.05	0.43	0.34	14
	00011-00011	1/8 Clear - 090 Gre PVB - 1/8 Clear	AL/AL	1			N		N		GR	1.05	0.49	0.50	14
	00011-00012	3/16 Clear - 090 Gre PVB - 3/16 Clear	AL/AL	1			N		N		GR	1.05	0.47	0.49	14
	00012-00001	1/8 LoE 366 - AIR - 1/8 Clear 090 PVB - 1/8 Clear	AL/AL	2	0.022(2)	0.250	A8-S	Fill 1: AIR(100)	N		CL	0.69	0.21	0.42	20
	00012-00002	1/8 LoE 366 - AIR - 1/8 Clear 090 PVB - 1/8 Clear	AL/AL	2	0.022(2)	0.250	P2-S	Fill 1: AIR(100)	N		CL	0.69	0.21	0.42	20
	00012-00003	1/8 LoE 366 -AIR- 1/8 Clear-090 Bz PVB-1/8 Clear	AL/AL	2	0.022(2)	0.250	A8-S	Fill 1: AIR(100)	N		BZ	0.69	0.18	0.25	20
	00012-00004	1/8 LoE 366 -AIR- 1/8 Clear-090 Bz PVB-1/8 Clear	AL/AL	2	0.022(2)	0.250	P2-S	Fill 1: AIR(100)	N		BZ	0.69	0.18	0.25	20
	00012-00005	1/8 LoE 366 -AIR- 1/8 Clear-090 Gy PVB-1/8 Clear	AL/AL	2	0.022(2)	0.250	A8-S	Fill 1: AIR(100)	N		GY	0.69	0.20	0.21	20
	00012-00006	1/8 LoE 366 -AIR- 1/8 Clear-090 Gy PVB-1/8 Clear	AL/AL	2	0.022(2)	0.250	P2-S	Fill 1: AIR(100)	N		GY	0.69	0.20	0.21	20
	00013-00001	1/8 LoE 270 - AIR - 1/8 Clear 090 PVB - 1/8 Clear	AL/AL	2	0.037(2)	0.250	A8-S	Fill 1: AIR(100)	N		CL	0.69	0.27	0.45	20
	00013-00002	1/8 LoE 270 - AIR - 1/8 Clear 090 PVB - 1/8 Clear	AL/AL	2	0.037(2)	0.250	P2-S	Fill 1: AIR(100)	N		CL	0.69	0.27	0.45	20
	00014-00001	1/8 LoE 240 - AIR - 1/8 Clear 090 PVB - 1/8 Clear	AL/AL	2	0.057(2)	0.250	A8-S	Fill 1: AIR(100)	N		CL	0.69	0.20	0.26	20

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	00014-00002	1/8 LoE 240 - AIR - 1/8 Clear 090 PVB - 1/8 Clear	AL/AL	2	0.057(2)	0.250	P2-S	Fill 1: AIR(100)	N		CL	0.69	0.20	0.26	20
	00015-00001	1/8 LoE 366 - ARG - 1/8 Clear 090 PVB - 1/8 Clear	AL/AL	2	0.022(2)	0.250	A8-S	Fill 1: ARG/AIR(90/10)	N		CL	0.65	0.21	0.42	20
	00015-00002	1/8 LoE 366 - ARG - 1/8 Clear 090 PVB - 1/8 Clear	AL/AL	2	0.022(2)	0.250	P2-S	Fill 1: ARG/AIR(90/10)	N		CL	0.65	0.21	0.42	20
	00015-00003	1/8 LoE 366 -ARG- 1/8 Clear-090 Bz PVB-1/8 Clear	AL/AL	2	0.022(2)	0.250	A8-S	Fill 1: ARG/AIR(90/10)	N		BZ	0.65	0.20	0.25	20
	00015-00004	1/8 LoE 366 -ARG- 1/8 Clear-090 Bz PVB-1/8 Clear	AL/AL	2	0.022(2)	0.250	P2-S	Fill 1: ARG/AIR(90/10)	N		BZ	0.65	0.20	0.25	20
	00015-00005	1/8 LoE 366 -ARG- 1/8 Clear-090 Gy PVB-1/8 Clear	AL/AL	2	0.022(2)	0.250	A8-S	Fill 1: ARG/AIR(90/10)	N		GY	0.65	0.20	0.21	20
	00015-00006	1/8 LoE 366 -ARG- 1/8 Clear-090 Gy PVB-1/8 Clear	AL/AL	2	0.022(2)	0.250	P2-S	Fill 1: ARG/AIR(90/10)	N		GY	0.65	0.20	0.21	20
	00016-00001	1/8 LoE 270 - ARG - 1/8 Clear 090 PVB - 1/8 Clear	AL/AL	2	0.037(2)	0.250	A8-S	Fill 1: ARG/AIR(90/10)	N		CL	0.65	0.27	0.45	20
	00016-00002	1/8 LoE 270 - ARG - 1/8 Clear 090 PVB - 1/8 Clear	AL/AL	2	0.037(2)	0.250	P2-S	Fill 1: ARG/AIR(90/10)	N		CL	0.65	0.27	0.45	20
	00017-00001	1/8 LoE 240 - ARG - 1/8 Clear 090 PVB - 1/8 Clear	AL/AL	2	0.057(2)	0.250	A8-S	Fill 1: ARG/AIR(90/10)	N		CL	0.65	0.20	0.26	20
	00017-00002	1/8 LoE 240 - ARG - 1/8 Clear 090 PVB - 1/8 Clear	AL/AL	2	0.057(2)	0.250	P2-S	Fill 1: ARG/AIR(90/10)	N		CL	0.65	0.20	0.26	20
	00018-00001	1/8 Comfort Select 28 - AIR - 1/8 Clear 090 PVB - 1/8 Clear	AL/AL	2	0.021(2)	0.250	A8-S	Fill 1: AIR(100)	N		CL	0.69	0.22	0.41	20
	00018-00002	1/8 Comfort Select 28 - AIR - 1/8 Clear 090 PVB - 1/8 Clear	AL/AL	2	0.021(2)	0.250	P2-S	Fill 1: AIR(100)	N		CL	0.69	0.22	0.41	20
	00019-00001	1/8 Comfort Select 36 - AIR - 1/8 Clear 090 PVB - 1/8 Clear	AL/AL	2	0.027(2)	0.250	A8-S	Fill 1: AIR(100)	N		CL	0.69	0.27	0.43	20
	00019-00002	1/8 Comfort Select 36 - AIR - 1/8 Clear 090 PVB - 1/8 Clear	AL/AL	2	0.027(2)	0.250	P2-S	Fill 1: AIR(100)	N		CL	0.69	0.27	0.43	20
	00020-00001	1/8 Clima Guard 55/27 - AIR - 1/8 Clear 090 PVB - 1/8 Clear	AL/AL	2	0.031(2)	0.250	A8-S	Fill 1: AIR(100)	N		CL	0.69	0.22	0.36	20
	00020-00002	1/8 Clima Guard 55/27 - AIR - 1/8 Clear 090 PVB - 1/8 Clear	AL/AL	2	0.031(2)	0.250	P2-S	Fill 1: AIR(100)	N		CL	0.69	0.22	0.36	20

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	00021-00001	1/8 Clima Guard 63/31 - AIR - 1/8 Clear 090 PVB - 1/8 Clear	AL/AL	2	0.033(2)	0.250	A8-S	Fill 1: AIR(100)	N		CL	0.69	0.24	0.41	20
	00021-00002	1/8 Clima Guard 63/31 - AIR - 1/8 Clear 090 PVB - 1/8 Clear	AL/AL	2	0.033(2)	0.250	P2-S	Fill 1: AIR(100)	N		CL	0.69	0.24	0.41	20
	00022-00001	1/8 Comfort Select 28 - ARG - 1/8 Clear 090 PVB - 1/8 Clear	AL/AL	2	0.021(2)	0.250	A8-S	Fill 1: ARG/AIR(90/10)	N		CL	0.65	0.22	0.41	20
	00022-00002	1/8 Comfort Select 28 - ARG - 1/8 Clear 090 PVB - 1/8 Clear	AL/AL	2	0.021(2)	0.250	P2-S	Fill 1: ARG/AIR(90/10)	N		CL	0.65	0.22	0.41	20
	00023-00001	1/8 Comfort guard 36 - ARG - 1/8 Clear 090 PVB - 1/8 Clear	AL/AL	2	0.027(2)	0.250	A8-S	Fill 1: ARG/AIR(90/10)	N		CL	0.65	0.27	0.43	20
	00023-00002	1/8 Comfort guard 36 - ARG - 1/8 Clear 090 PVB - 1/8 Clear	AL/AL	2	0.027(2)	0.250	P2-S	Fill 1: ARG/AIR(90/10)	N		CL	0.65	0.27	0.43	20
	00024-00001	1/8 Clima Guard 55/27 - ARG - 1/8 Clear 090 PVB - 1/8 Clear	AL/AL	2	0.031(2)	0.250	A8-S	Fill 1: ARG/AIR(90/10)	N		CL	0.65	0.21	0.36	20
	00024-00002	1/8 Clima Guard 55/27 - ARG - 1/8 Clear 090 PVB - 1/8 Clear	AL/AL	2	0.031(2)	0.250	P2-S	Fill 1: ARG/AIR(90/10)	N		CL	0.65	0.21	0.36	20
	00025-00001	1/8 Clima Guard 63/31 - ARG - 1/8 Clear 090 PVB - 1/8 Clear	AL/AL	2	0.033(2)	0.250	A8-S	Fill 1: ARG/AIR(90/10)	N		CL	0.65	0.23	0.41	20
	00025-00002	1/8 Clima Guard 63/31 - ARG - 1/8 Clear 090 PVB - 1/8 Clear	AL/AL	2	0.033(2)	0.250	P2-S	Fill 1: ARG/AIR(90/10)	N		CL	0.65	0.23	0.41	20
	00026-00001	1/8 Clima Guard 70/36 - AIR - 1/8 Clear 090 PVB - 1/8 Clear	AL/AL	2	0.036(2)	0.250	A8-S	Fill 1: AIR(100)	N		CL	0.69	0.28	0.45	20
	00026-00002	1/8 Clima Guard 70/36 - AIR - 1/8 Clear 090 PVB - 1/8 Clear	AL/AL	2	0.036(2)	0.250	P2-S	Fill 1: AIR(100)	N		CL	0.69	0.28	0.45	20
	00027-00001	1/8 Clima Guard 70/36 - ARG - 1/8 Clear 090 PVB - 1/8 Clear	AL/AL	2	0.036(2)	0.250	A8-S	Fill 1: ARG/AIR(90/10)	N		CL	0.65	0.28	0.45	20
	00027-00002	1/8 Clima Guard 70/36 - ARG - 1/8 Clear 090 PVB - 1/8 Clear	AL/AL	2	0.036(2)	0.250	P2-S	Fill 1: ARG/AIR(90/10)	N		CL	0.65	0.28	0.45	20
	00028-00001	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	0.70	0.22	0.42	19
	00028-00002	1/8 Comfort Select 28 - AIR 1/8 Clear	AL/AL	2	0.021(2)	0.250	P2-S	Fill 1: AIR(100)	N		CL	0.70	0.22	0.42	19
	00028-00003	3/16 Comfort Select 28 - AIR 3/16 Clear	AL/AL	2	0.021(2)	0.250	A8-S	Fill 1: AIR(100)	N		CL	0.70	0.23	0.41	19
	00028-00004	3/16 Comfort Select 28 - AIR 3/16 Clear	AL/AL	2	0.021(2)	0.250	P2-S	Fill 1: AIR(100)	N		CL	0.70	0.23	0.41	19

# NFRC Product Certification Authorization Report



**Manufacturer:** Lawson Industries      **Product Series:** 3000/3200 Casement Window      **Simulation Lab:** SFTL      **Initial Cert. Date:** 08/05/2022  
**Street:** 8501 NW 90th Street      **Product Type:** CSSV      **Sim. Report #:** 12797      **Re-Certification Date:**  
**City/State/Zip:** Medley, FL 33166      **Air Leakage:**      **Sim. Report Date:** 09/10/2021      **Revised Date:** 01/01/1970  
**Print Date:** 08/05/2022      **Test Date:** 09/16/2021      **Expiration Date:** 09/16/2026

CPD Number: LAW-M-28

IA: National Accreditation And Management Institute

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.
	00029-00001	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	0.70	0.27	0.44	19
	00029-00002	1/8 Comfort Select 36 - AIR 1/8 Clear	AL/AL	2	0.027(2)	0.250	P2-S	Fill 1: AIR(100)	N		CL	0.70	0.27	0.44	19
	00029-00003	3/16 Comfort Select 36 - AIR 3/16 Clear	AL/AL	2	0.026(2)	0.250	A8-S	Fill 1: AIR(100)	N		CL	0.70	0.27	0.44	19
	00029-00004	3/16 Comfort Select 36 - AIR 3/16 Clear	AL/AL	2	0.026(2)	0.250	P2-S	Fill 1: AIR(100)	N		CL	0.70	0.27	0.44	19
	00030-00001	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	0.70	0.22	0.37	19
	00030-00002	1/8 Clima Guard 55/27 - AIR 1/8 Clear	AL/AL	2	0.031(2)	0.250	P2-S	Fill 1: AIR(100)	N		CL	0.70	0.22	0.37	19
	00030-00003	3/16 Clima Guard 55/27 - AIR 3/16 Clear	AL/AL	2	0.031(2)	0.250	A8-S	Fill 1: AIR(100)	N		CL	0.70	0.22	0.36	19
	00030-00004	3/16 Clima Guard 55/27 - AIR 3/16 Clear	AL/AL	2	0.031(2)	0.250	P2-S	Fill 1: AIR(100)	N		CL	0.70	0.22	0.36	19
	00031-00001	1/8 Clima Guard 63/31 - AIR 1/8 Clear	AL/AL	2	0.033(2)	0.250	A8-S	Fill 1: AIR(100)	N		CL	0.70	0.24	0.42	19
	00031-00002	1/8 Clima Guard 63/31 - AIR 1/8 Clear	AL/AL	2	0.033(2)	0.250	P2-S	Fill 1: AIR(100)	N		CL	0.70	0.24	0.42	19
	00031-00003	3/16 Clima Guard 63/31 - AIR 3/16 Clear	AL/AL	2	0.033(2)	0.250	A8-S	Fill 1: AIR(100)	N		CL	0.70	0.24	0.41	19
	00031-00004	3/16 Clima Guard 63/31 - AIR 3/16 Clear	AL/AL	2	0.033(2)	0.250	P2-S	Fill 1: AIR(100)	N		CL	0.70	0.24	0.41	19
	00032-00001	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	0.70	0.29	0.47	19
	00032-00002	1/8 Clima Guard 70/36 - AIR 1/8 Clear	AL/AL	2	0.036(2)	0.250	P2-S	Fill 1: AIR(100)	N		CL	0.70	0.29	0.47	19
	00032-00003	3/16 Clima Guard 70/36 - AIR 3/16 Clear	AL/AL	2	0.036(2)	0.250	A8-S	Fill 1: AIR(100)	N		CL	0.70	0.29	0.46	19
	00032-00004	3/16 Clima Guard 70/36 - AIR 3/16 Clear	AL/AL	2	0.036(2)	0.250	P2-S	Fill 1: AIR(100)	N		CL	0.70	0.29	0.46	19
	00033-00001	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	0.65	0.22	0.42	19
	00033-00002	1/8 Comfort Select 28 - ARG - 1/8 Clear	AL/AL	2	0.021(2)	0.250	P2-S	Fill 1: ARG/AIR(90/10)	N		CL	0.65	0.22	0.42	19
	00033-00003	3/16 Comfort Select 28 - ARG - 3/16 Clear	AL/AL	2	0.021(2)	0.250	A8-S	Fill 1: ARG/AIR(90/10)	N		CL	0.65	0.22	0.41	19
	00033-00004	3/16 Comfort Select 28 - ARG - 3/16 Clear	AL/AL	2	0.021(2)	0.250	P2-S	Fill 1: ARG/AIR(90/10)	N		CL	0.65	0.22	0.41	19
	00034-00001	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	0.65	0.27	0.44	19
	00034-00002	1/8 Comfort Select 36 - ARG - 1/8 Clear	AL/AL	2	0.027(2)	0.250	P2-S	Fill 1: ARG/AIR(90/10)	N		CL	0.65	0.27	0.44	19
	00034-00003	3/16 Comfort Select 36 - ARG - 3/16 Clear	AL/AL	2	0.026(2)	0.250	A8-S	Fill 1: ARG/AIR(90/10)	N		CL	0.65	0.27	0.44	19

# NFRC Product Certification Authorization Report



**Manufacturer:** Lawson Industries      **Product Series:** 3000/3200 Casement Window      **Simulation Lab:** SFTL      **Initial Cert. Date:** 08/05/2022  
**Street:** 8501 NW 90th Street      **Product Type:** CSSV      **Sim. Report #:** 12797      **Re-Certification Date:**  
**City/State/Zip:** Medley, FL 33166      **Air Leakage:**      **Sim. Report Date:** 09/10/2021      **Revised Date:** 01/01/1970  
**Print Date:** 08/05/2022      **Test Date:** 09/16/2021      **Expiration Date:** 09/16/2026

CPD Number: LAW-M-28

IA: National Accreditation And Management Institute

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.
	00034-00004	3/16 Comfort Select 36 - ARG - 3/16 Clear	AL/AL	2	0.026(2)	0.250	P2-S	Fill 1: ARG/AIR(90/10)	N		CL	0.65	0.27	0.44	19
	00035-00001	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	0.65	0.22	0.37	19
	00035-00002	1/8 Clima Guard 55/27- ARG - 1/8 Clear	AL/AL	2	0.031(2)	0.250	P2-S	Fill 1: ARG/AIR(90/10)	N		CL	0.65	0.22	0.37	19
	00035-00003	3/16 Clima Guard 55/27- ARG - 3/16 Clear	AL/AL	2	0.031(2)	0.250	A8-S	Fill 1: ARG/AIR(90/10)	N		CL	0.65	0.22	0.36	19
	00035-00004	3/16 Clima Guard 55/27- ARG - 3/16 Clear	AL/AL	2	0.031(2)	0.250	P2-S	Fill 1: ARG/AIR(90/10)	N		CL	0.65	0.22	0.36	19
	00036-00001	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	0.65	0.24	0.42	19
	00036-00002	1/8 Clima Guard 63/31- ARG - 1/8 Clear	AL/AL	2	0.033(2)	0.250	P2-S	Fill 1: ARG/AIR(90/10)	N		CL	0.65	0.24	0.42	19
	00036-00003	3/16 Clima Guard 63/31- ARG - 3/16 Clear	AL/AL	2	0.033(2)	0.250	A8-S	Fill 1: ARG/AIR(90/10)	N		CL	0.65	0.24	0.41	19
	00036-00004	3/16 Clima Guard 63/31- ARG - 3/16 Clear	AL/AL	2	0.033(2)	0.250	P2-S	Fill 1: ARG/AIR(90/10)	N		CL	0.65	0.24	0.41	19
	00037-00001	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	0.65	0.29	0.47	19
	00037-00002	1/8 Clima Guard 70/36 - ARG - 1/8 Clear	AL/AL	2	0.036(2)	0.250	P2-S	Fill 1: ARG/AIR(90/10)	N		CL	0.65	0.29	0.47	19
	00037-00003	3/16 Clima Guard 70/36 - ARG - 3/16 Clear	AL/AL	2	0.036(2)	0.250	A8-S	Fill 1: ARG/AIR(90/10)	N		CL	0.65	0.28	0.46	19
	00037-00004	3/16 Clima Guard 70/36 - ARG - 3/16 Clear	AL/AL	2	0.036(2)	0.250	P2-S	Fill 1: ARG/AIR(90/10)	N		CL	0.65	0.28	0.46	19
	00038-00001	1/8 Clear -090 PVB-1/8 i89	AL/AL	1	0.149(2)		N		N		CL	0.81	0.49	0.58	9
	00038-00002	3/16 Clear - 090 PVB - 3/16 i89	AL/AL	1	0.149(2)		N		N		CL	0.81	0.46	0.57	9
	00039-00001	1/8 LoE 366 - 090 PVB - 1/8 Clear	AL/AL	1			N		N		CL	1.03	0.25	0.41	15
	00039-00002	3/16 LoE 366 - 090 PVB - 3/16 Clear	AL/AL	1			N		N		CL	1.03	0.26	0.40	15
	00039-00003	1/8 LoE366-090 PVB (030 grey-030 clear-030 clear-1/8 clear	AL/AL	1			N		N		GY	1.03	0.20	0.20	15
	00039-00004	3/16 LoE366-090 PVB (030 grey-030 clear-030 clear-3/16 clear	AL/AL	1			N		N		GY	1.03	0.21	0.20	15
	00040-00001	1/8 LoE 340 - 090 PVB - 1/8 Clear	AL/AL	1			N		N		CL	1.03	0.21	0.25	15



# NFRC Product Certification Authorization Report



**Manufacturer:** Lawson Industries      **Product Series:** 3000/3200 Casement Window      **Simulation Lab:** SFTL      **Initial Cert. Date:** 08/05/2022  
**Street:** 8501 NW 90th Street      **Product Type:** CSSV      **Sim. Report #:** 12797      **Re-Certification Date:**  
**City/State/Zip:** Medley, FL 33166      **Air Leakage:**      **Sim. Report Date:** 09/10/2021      **Revised Date:** 01/01/1970  
**Print Date:** 08/05/2022      **Test Date:** 09/16/2021      **Expiration Date:** 09/16/2026

CPD Number: LAW-M-28

IA: National Accreditation And Management Institute

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.
	00040-00002	3/16 LoE 340 - 090 PVB - 3/16 Clear	AL/AL	1			N		N		CL	1.03	0.22	0.25	15
	00041-00001	1/8 LoE 340 -AIR- 1/8 Clear-090 PVB-1/8 Clear	AL/AL	2	0.028(2)	0.250	A8-S	Fill 1: AIR(100)	N		CL	0.69	0.16	0.25	20
	00041-00002	1/8 LoE 340 -AIR- 1/8 Clear-090 PVB-1/8 Clear	AL/AL	2	0.028(2)	0.250	P2-S	Fill 1: AIR(100)	N		CL	0.69	0.16	0.25	20
	00041-00003	1/8 LoE 340 -AIR- 1/8 Clear-090 Bz PVB-1/8 Clear	AL/AL	2	0.028(2)	0.250	A8-S	Fill 1: AIR(100)	N		BZ	0.69	0.15	0.15	20
	00041-00004	1/8 LoE 340 -AIR- 1/8 Clear-090 Bz PVB-1/8 Clear	AL/AL	2	0.028(2)	0.250	P2-S	Fill 1: AIR(100)	N		BZ	0.69	0.15	0.15	20
	00041-00005	1/8 LoE 340 -AIR- 1/8 Clear-090 Gy PVB-1/8 Clear	AL/AL	2	0.028(2)	0.250	A8-S	Fill 1: AIR(100)	N		GY	0.69	0.15	0.12	20
	00041-00006	1/8 LoE 340 -AIR- 1/8 Clear-090 Gy PVB-1/8 Clear	AL/AL	2	0.028(2)	0.250	P2-S	Fill 1: AIR(100)	N		GY	0.69	0.15	0.12	20
	00042-00001	1/8 LoE 340 -ARG- 1/8 Clear-090 PVB-1/8 Clear	AL/AL	2	0.028(2)	0.250	A8-S	Fill 1: ARG/AIR(90/10)	N		CL	0.65	0.15	0.25	20
	00042-00002	1/8 LoE 340 -ARG- 1/8 Clear-090 PVB-1/8 Clear	AL/AL	2	0.028(2)	0.250	P2-S	Fill 1: ARG/AIR(90/10)	N		CL	0.65	0.15	0.25	20
	00042-00003	1/8 LoE 340 -ARG- 1/8 Clear-090 Bz PVB-1/8 Clear	AL/AL	2	0.028(2)	0.250	A8-S	Fill 1: ARG/AIR(90/10)	N		BZ	0.65	0.14	0.15	20
	00042-00004	1/8 LoE 340 -ARG- 1/8 Clear-090 Bz PVB-1/8 Clear	AL/AL	2	0.028(2)	0.250	P2-S	Fill 1: ARG/AIR(90/10)	N		BZ	0.65	0.14	0.15	20
	00042-00005	1/8 LoE 340 -ARG- 1/8 Clear-090 Gy PVB-1/8 Clear	AL/AL	2	0.028(2)	0.250	A8-S	Fill 1: ARG/AIR(90/10)	N		GY	0.65	0.14	0.03	20
	00042-00006	1/8 LoE 340 -ARG- 1/8 Clear-090 Gy PVB-1/8 Clear	AL/AL	2	0.028(2)	0.250	P2-S	Fill 1: ARG/AIR(90/10)	N		GY	0.65	0.14	0.03	20
	00043-00001	1/8 ClimaGuard 62/27 -AIR- 1/8 Clear-090 PVB-1/8 Clear	AL/AL	2	0.03(2)	0.250	A8-S	Fill 1: AIR(100)	N		CL	0.69	0.22	0.40	20
	00043-00002	1/8 ClimaGuard 62/27 -AIR- 1/8 Clear-090 PVB-1/8 Clear	AL/AL	2	0.03(2)	0.250	P2-S	Fill 1: AIR(100)	N		CL	0.69	0.22	0.40	20
	00043-00003	1/8 ClimaGuard 62/27 -AIR- 1/8 Clear-090 Bz PVB-1/8 Clear	AL/AL	2	0.03(2)	0.250	A8-S	Fill 1: AIR(100)	N		BZ	0.69	0.20	0.24	20
	00043-00004	1/8 ClimaGuard 62/27 -AIR- 1/8 Clear-090 Bz PVB-1/8 Clear	AL/AL	2	0.03(2)	0.250	P2-S	Fill 1: AIR(100)	N		BZ	0.69	0.20	0.24	20



# NFRC Product Certification Authorization Report



**Manufacturer:** Lawson Industries      **Product Series:** 3000/3200 Casement Window      **Simulation Lab:** SFTL      **Initial Cert. Date:** 08/05/2022  
**Street:** 8501 NW 90th Street      **Product Type:** CSSV      **Sim. Report #:** 12797      **Re-Certification Date:**  
**City/State/Zip:** Medley, FL 33166      **Air Leakage:**      **Sim. Report Date:** 09/10/2021      **Revised Date:** 01/01/1970  
**Print Date:** 08/05/2022      **Test Date:** 09/16/2021      **Expiration Date:** 09/16/2026

CPD Number: LAW-M-28

IA: National Accreditation And Management Institute

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.
	00043-00005	1/8 ClimaGuard 62/27 -AIR- 1/8 Clear-090 Gy PVB-1/8 Clear	AL/AL	2	0.03(2)	0.250	A8-S	Fill 1: AIR(100)	N		GY	0.69	0.20	0.20	20
	00043-00006	1/8 ClimaGuard 62/27 -AIR- 1/8 Clear-090 Gy PVB-1/8 Clear	AL/AL	2	0.03(2)	0.250	P2-S	Fill 1: AIR(100)	N		GY	0.69	0.20	0.20	20
	00043-00007	1/8 ClimaGuard 62/27 -AIR- 1/8 Clear-090 Gre PVB-1/8 Clear	AL/AL	2	0.03(2)	0.250	A8-S	Fill 1: AIR(100)	N		GR	0.69	0.21	0.34	20
	00043-00008	1/8 ClimaGuard 62/27 -AIR- 1/8 Clear-090 Gre PVB-1/8 Clear	AL/AL	2	0.03(2)	0.250	P2-S	Fill 1: AIR(100)	N		GR	0.69	0.21	0.34	20
	00044-00001	1/8 ClimaGuard 62/27 -ARG- 1/8 Clear-090 PVB-1/8 Clear	AL/AL	2	0.03(2)	0.250	A8-S	Fill 1: ARG/AIR(90/10)	N		CL	0.65	0.21	0.40	20
	00044-00002	1/8 ClimaGuard 62/27 -ARG- 1/8 Clear-090 PVB-1/8 Clear	AL/AL	2	0.03(2)	0.250	P2-S	Fill 1: ARG/AIR(90/10)	N		CL	0.65	0.21	0.40	20
	00044-00003	1/8 ClimaGuard 62/27 -ARG- 1/8 Clear-090 Bz PVB-1/8 Clear	AL/AL	2	0.03(2)	0.250	A8-S	Fill 1: ARG/AIR(90/10)	N		BZ	0.65	0.20	0.24	20
	00044-00004	1/8 ClimaGuard 62/27 -ARG- 1/8 Clear-090 Bz PVB-1/8 Clear	AL/AL	2	0.03(2)	0.250	P2-S	Fill 1: ARG/AIR(90/10)	N		BZ	0.65	0.20	0.24	20
	00044-00005	1/8 ClimaGuard 62/27 -ARG- 1/8 Clear-090 Gy PVB-1/8 Clear	AL/AL	2	0.03(2)	0.250	A8-S	Fill 1: ARG/AIR(90/10)	N		GY	0.65	0.20	0.20	20
	00044-00006	1/8 ClimaGuard 62/27 -ARG- 1/8 Clear-090 Gy PVB-1/8 Clear	AL/AL	2	0.03(2)	0.250	P2-S	Fill 1: ARG/AIR(90/10)	N		GY	0.65	0.20	0.20	20
	00044-00007	1/8 ClimaGuard 62/27 -ARG- 1/8 Clear-090 Gre PVB-1/8 Clear	AL/AL	2	0.03(2)	0.250	A8-S	Fill 1: ARG/AIR(90/10)	N		GR	0.65	0.21	0.34	20
	00044-00008	1/8 ClimaGuard 62/27 -ARG- 1/8 Clear-090 Gre PVB-1/8 Clear	AL/AL	2	0.03(2)	0.250	P2-S	Fill 1: ARG/AIR(90/10)	N		GR	0.65	0.21	0.34	20
	00045-00001	1/8 LoE 340 -AIR- 1/8 Clear	AL/AL	2	0.028(2)	0.250	A8-S	Fill 1: AIR(100)	N		CL	0.70	0.16	0.26	19
	00045-00002	1/8 LoE 340 -AIR- 1/8 Clear	AL/AL	2	0.028(2)	0.250	P2-S	Fill 1: AIR(100)	N		CL	0.70	0.16	0.26	19
	00045-00003	3/16 LoE 340 -AIR- 3/16 Clear	AL/AL	2	0.028(2)	0.250	A8-S	Fill 1: AIR(100)	N		CL	0.70	0.16	0.25	19
	00045-00004	3/16 LoE 340 -AIR- 3/16 Clear	AL/AL	2	0.028(2)	0.250	P2-S	Fill 1: AIR(100)	N		CL	0.70	0.16	0.25	19
	00046-00001	1/8 LoE 340 -ARG- 1/8 Clear	AL/AL	2	0.028(2)	0.250	A8-S	Fill 1: ARG/AIR(90/10)	N		CL	0.65	0.15	0.26	19
	00046-00002	1/8 LoE 340 -ARG- 1/8 Clear	AL/AL	2	0.028(2)	0.250	P2-S	Fill 1: ARG/AIR(90/10)	N		CL	0.65	0.15	0.26	19
	00046-00003	3/16 LoE 340 -ARG- 3/16 Clear	AL/AL	2	0.028(2)	0.250	A8-S	Fill 1: ARG/AIR(90/10)	N		CL	0.65	0.16	0.25	19

# NFRC Product Certification Authorization Report



**Manufacturer:** Lawson Industries      **Product Series:** 3000/3200 Casement Window      **Simulation Lab:** SFTL      **Initial Cert. Date:** 08/05/2022  
**Street:** 8501 NW 90th Street      **Product Type:** CSSV      **Sim. Report #:** 12797      **Re-Certification Date:**  
**City/State/Zip:** Medley, FL 33166      **Air Leakage:**      **Sim. Report Date:** 09/10/2021      **Revised Date:** 01/01/1970  
**Print Date:** 08/05/2022      **Test Date:** 09/16/2021      **Expiration Date:** 09/16/2026

CPD Number: LAW-M-28

IA: National Accreditation And Management Institute

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.
	00046-00004	3/16 LoE 340 -ARG- 3/16 Clear	AL/AL	2	0.028(2)	0.250	P2-S	Fill 1: ARG/AIR(90/10)	N		CL	0.65	0.16	0.25	19
	00047-00001	1/8 ClimaGuard 62/27 -AIR- 1/8 Clear	AL/AL	2	0.03(2)	0.250	A8-S	Fill 1: AIR(100)	N		CL	0.70	0.22	0.41	19
	00047-00002	1/8 ClimaGuard 62/27 -AIR- 1/8 Clear	AL/AL	2	0.03(2)	0.250	P2-S	Fill 1: AIR(100)	N		CL	0.70	0.22	0.41	19
	00047-00003	3/16 ClimaGuard 62/27 -AIR- 3/16 Clear	AL/AL	2	0.03(2)	0.250	A8-S	Fill 1: AIR(100)	N		CL	0.70	0.22	0.41	19
	00047-00004	3/16 ClimaGuard 62/27 -AIR- 3/16 Clear	AL/AL	2	0.03(2)	0.250	P2-S	Fill 1: AIR(100)	N		CL	0.70	0.22	0.41	19
	00048-00001	1/8 ClimaGuard 62/27 -ARG- 1/8 Clear	AL/AL	2	0.03(2)	0.250	A8-S	Fill 1: ARG/AIR(90/10)	N		CL	0.65	0.22	0.41	19
	00048-00002	1/8 ClimaGuard 62/27 -ARG- 1/8 Clear	AL/AL	2	0.03(2)	0.250	P2-S	Fill 1: ARG/AIR(90/10)	N		CL	0.65	0.22	0.41	19
	00048-00003	3/16 ClimaGuard 62/27 -ARG- 3/16 Clear	AL/AL	2	0.03(2)	0.250	A8-S	Fill 1: ARG/AIR(90/10)	N		CL	0.65	0.22	0.41	19
	00048-00004	3/16 ClimaGuard 62/27 -ARG- 3/16 Clear	AL/AL	2	0.03(2)	0.250	P2-S	Fill 1: ARG/AIR(90/10)	N		CL	0.65	0.22	0.41	19
	00049-00001	3/16 Neutral 40 -AIR- 3/16 Clear	AL/AL	2	0.149(2)	0.250	A8-S	Fill 1: AIR(100)	N		CL	0.72	0.25	0.27	20
	00049-00002	3/16 Neutral 40 -AIR- 3/16 Clear	AL/AL	2	0.149(2)	0.250	P2-S	Fill 1: AIR(100)	N		CL	0.72	0.25	0.27	20
	00050-00001	3/16 Neutral 40 -ARG- 3/16 Clear	AL/AL	2	0.149(2)	0.250	A8-S	Fill 1: ARG/AIR(90/10)	N		CL	0.68	0.25	0.27	20
	00050-00002	3/16 Neutral 40 -ARG- 3/16 Clear	AL/AL	2	0.149(2)	0.250	P2-S	Fill 1: ARG/AIR(90/10)	N		CL	0.68	0.25	0.27	20

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**Baseline Information**

<b>Test Lab</b>	<b>Test Date</b>	<b>Test Size</b>	<b>Tested U-Value</b>	<b>Standard U-Value</b>	<b>Test Report Number</b>
<b>TFTL</b>	<b>09/16/2021</b>	600mm x 1500mm	0.663	0.625	12698

**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: \_\_\_\_\_

