

NFRC Product Certification Authorization Report



Manufacturer: Lawson Industries **Product Series:** 4200/6200 Fixed Window **Simulation Lab:** SFTL **Initial Cert. Date:** 06/20/2007
Street: 8501 NW 90th Street **Product Type:** FIXD **Sim. Report #:** 9047-2 **Re-Certification Date:** 08/26/2016
City/State/Zip: Medley, FL 33166 **Air Leakage:** **Sim. Report Date:** 08/18/2016 **Revised Date:** 12/20/2017
Print Date: 08/03/2018 **VR (Standard Screen):** **Test Date:** 07/13/2016 **Expiration Date:** 07/13/2021
VR (Enhanced Screen):

CPD Number: LAW-A-7 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.
	00043-00001	1/8 Clear 090 PVB - 1/8 Clear	AL/N	1			N		N		CL	1.06	0.73	0.81	14
	00043-00002	1/8 BZ - 090 PVB - 1/8 Clear	AL/N	1			N		N		BZ	1.06	0.62	0.61	14
	00043-00003	1/8 GY - 090 PVB - 1/8 Clear	AL/N	1			N		N		GY	1.06	0.61	0.56	14
	00043-00004	1/8 - 030 CL - 030 GY - 030 CL PVB - 1/8 Clear	AL/N	1			N		N		GR	1.06	0.58	0.40	14
	00043-00005	1/8 Clear - 030 CL - 030 Br - 030 CL PVB - 1/8 Clear	AL/N	1			N		N		BZ	1.06	0.56	0.45	14
	00043-00006	3/16 Clear - 090PVB - 3/16 Clear	AL/N	1			N		N		CL	1.06	0.69	0.80	14
	00043-00007	3/16 BZ - 090 PVB - 3/16 Clear	AL/N	1			N		N		BZ	1.06	0.56	0.52	14
	00043-00008	3/16 GY - 090 PVB - 3/16 Clear	AL/N	1			N		N		GY	1.06	0.54	0.45	14
	00043-00009	3/16 Clear - 030CL - 030 GY - 030 CL PVB - 3/16 clear	AL/N	1			N		N		GR	1.06	0.56	0.39	14
	00043-00010	3/16 Clear - 030 CL - 030 BZ - 030 CL PVB - 3/16 Clear	AL/N	1			N		N		BZ	1.06	0.55	0.44	14
	00043-00011	1/8 Clear - 060 GY - 030 CL PVB - 1/8 Clear	AL/N	1			N		N		GY	1.06	0.50	0.20	14
	00043-00012	3/16 Clear - 060 GY - 030 CL PVB - 3/16 Clear	AL/N	1			N		N		GY	1.06	0.48	0.19	14
	00043-00013	1/8 GY - 090 PVB - 1/8 Clear	AL/N	1			N		N		GY	1.06	0.61	0.56	14
	00044-00001	1/8 LoE 366 - Air - 1/8 Clear 090 PVB - 1/8 Clear	AL/N	2	0.022(2)	0.250	A8-S	Fill 1: AIR (100)	N		CL	0.54	0.27	0.58	23
	00045-00001	1/8 LoE 270 - Air - 1/8 Clear 090 PVB - 1/8 Clear	AL/N	2	0.037(2)	0.250	A8-S	Fill 1: AIR (100)	N		CL	0.55	0.35	0.63	23
	00045-00002	1/8 LoE 270 - Air - 1/8 Clear 090 PVB - 1/8 Clear	AL/N	2	0.037(2)	0.250	P1-S	Fill 1: AIR(100)	N		CL	0.55	0.35	0.63	23
	00045-00003	3/16 LoE 270 - AIR - 3/16 Clear-090PVB-3/16 Clear	AL/N	2	0.037(2)	0.250	A8-S	Fill 1: AIR(100)	N		CL	0.55	0.35	0.62	23
	00045-00004	3/16 LoE 270 - AIR - 3/16 Clear-090PVB-3/16 Clear	AL/N	2	0.037(2)	0.250	P1-S	Fill 1: AIR(100)	N		CL	0.55	0.35	0.62	23
	00045-00005	3/16 LoE 270 - AIR - 3/16 Clear-090 Gy PVB-3/16 Clear	AL/N	2	0.037(2)	0.250	A8-S	Fill 1: AIR(100)	N		GY	0.55	0.32	0.30	23

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Print Date: 08/03/2018 **VR (Standard Screen):** **Test Date:** 07/13/2016 **Expiration Date:** 07/13/2021
VR (Enhanced Screen):

CPD Number: LAW-A-7															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.	
	00045-00006	3/16 LoE 270 - AIR - 3/16 Clear-090 Gy PVB-3/16 Clear	AL/N	2	0.037(2)	0.250	P1-S	Fill 1: AIR(100)	N		GY	0.55	0.32	0.30	23	
	00045-00007	3/16 LoE 270 - AIR - 3/16 Clear-090 BZ PVB-3/16 Clear	AL/N	2	0.037(2)	0.250	A8-S	Fill 1: AIR(100)	N		BZ	0.55	0.32	0.36	23	
	00045-00008	3/16 LoE 270 - AIR - 3/16 Clear-090 BZ PVB-3/16 Clear	AL/N	2	0.037(2)	0.250	P1-S	Fill 1: AIR(100)	N		BZ	0.55	0.32	0.36	23	
	00046-00001	1/8 LoE 240 - Air - 1/8 Clear 090 PVB - 1/8 Clear	AL/N	2	0.057(2)	0.250	A8-S	Fill 1: AIR (100)	N		CL	0.55	0.26	0.36	23	
	00046-00002	1/8 LoE 240 - Air - 1/8 Clear 090 PVB - 1/8 Clear	AL/N	2	0.057(2)	0.250	P1-S	Fill 1: AIR(100)	N		CL	0.55	0.26	0.36	23	
	00046-00003	3/16 LoE 240 - AIR - 3/16 Clear-090PVB-3/16 Clear	AL/N	2	0.057(2)	0.250	A8-S	Fill 1: AIR(100)	N		CL	0.55	0.26	0.35	23	
	00046-00004	3/16 LoE 240 - AIR - 3/16 Clear-090PVB-3/16 Clear	AL/N	2	0.057(2)	0.250	P1-S	Fill 1: AIR(100)	N		CL	0.55	0.26	0.35	23	
	00046-00005	3/16 LoE 240 - AIR - 3/16 Clear-090 Gy PVB-3/16 Clear	AL/N	2	0.057(2)	0.250	A8-S	Fill 1: AIR(100)	N		GY	0.55	0.24	0.17	23	
	00046-00006	3/16 LoE 240 - AIR - 3/16 Clear-090 Gy PVB-3/16 Clear	AL/N	2	0.057(2)	0.250	P1-S	Fill 1: AIR(100)	N		GY	0.55	0.24	0.17	23	
	00046-00007	3/16 LoE 240 - AIR - 3/16 Clear-090 BZ PVB-3/16 Clear	AL/N	2	0.057(2)	0.250	A8-S	Fill 1: AIR(100)	N		BZ	0.55	0.24	0.20	23	
	00046-00008	3/16 LoE 240 - AIR - 3/16 Clear-090 BZ PVB-3/16 Clear	AL/N	2	0.057(2)	0.250	P1-S	Fill 1: AIR(100)	N		BZ	0.55	0.24	0.20	23	
	00047-00001	1/8 LoE 366 - Arg - 1/8 Clear 090 PVB - 1/8 Clear	AL/N	2	0.022(2)	0.250	A8-S	Fill 1: ARG/AIR (90/10)	N		CL	0.48	0.27	0.58	23	
	00047-00002	3/16 LoE 366 - Arg - 3/16 Clear-090-PVB-3/16 Clear	AL/N	2	0.022(2)	0.250	A8-S	Fill 1: ARG/AIR (90/10)	N		CL	0.48	0.27	0.56	23	
	00047-00003	3/16 LoE 366 - Arg - 3/16 Clear-090-PVB-3/16 Clear	AL/N	2	0.022(2)	0.250	A8-S	Fill 1: ARG/AIR(90/10)	N		CL	0.48	0.27	0.56	23	
	00047-00004	3/16 LoE 366 - Arg - 3/16 Clear-090-PVB-3/16 Clear	AL/N	2	0.022(2)	0.250	P1-S	Fill 1: ARG/AIR(90/10)	N		CL	0.48	0.27	0.56	23	
	00048-00001	1/8 LoE 270 - Arg - 1/8 Clear 090 PVB - 1/8 Clear	AL/N	2	0.037(2)	0.250	A8-S	Fill 1: ARG/AIR (90/10)	N		CL	0.49	0.35	0.63	23	
	00048-00002	1/8 LoE 270 - Arg - 1/8 Clear 090 PVB - 1/8 Clear	AL/N	2	0.037(2)	0.250	P1-S	Fill 1: ARG/AIR(90/10)	N		CL	0.49	0.35	0.63	23	

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	00048-00003	3/16 LoE 270 - ARG - 3/16 Clear-090PVB-3/16 Clear	AL/N	2	0.037(2)	0.250	A8-S	Fill 1: ARG/AIR(90/10)	N		CL	0.49	0.35	0.62	23
	00048-00004	3/16 LoE 270 - ARG - 3/16 Clear-090PVB-3/16 Clear	AL/N	2	0.037(2)	0.250	P1-S	Fill 1: ARG/AIR(90/10)	N		CL	0.49	0.35	0.62	23
	00048-00005	3/16 LoE 270 - ARG - 3/16 Clear-090 Gy PVB-3/16 Clear	AL/N	2	0.037(2)	0.250	A8-S	Fill 1: ARG/AIR(90/10)	N		GY	0.49	0.32	0.30	23
	00048-00006	3/16 LoE 270 - ARG - 3/16 Clear-090 Gy PVB-3/16 Clear	AL/N	2	0.037(2)	0.250	P1-S	Fill 1: ARG/AIR(90/10)	N		GY	0.49	0.32	0.30	23
	00048-00007	3/16 LoE 270 - ARG - 3/16 Clear-090 BZ PVB-3/16 Clear	AL/N	2	0.037(2)	0.250	A8-S	Fill 1: ARG/AIR(90/10)	N		BZ	0.49	0.32	0.36	23
	00048-00008	3/16 LoE 270 - ARG - 3/16 Clear-090 BZ PVB-3/16 Clear	AL/N	2	0.037(2)	0.250	P1-S	Fill 1: ARG/AIR(90/10)	N		BZ	0.49	0.32	0.36	23
	00049-00001	1/8 LoE 240 - Arg - 1/8 Clear 090 PVB - 1/8 Clear	AL/N	2	0.057(2)	0.250	A8-S	Fill 1: ARG/AIR (90/10)	N		CL	0.49	0.25	0.36	23
	00049-00002	1/8 LoE 240 - Arg - 1/8 Clear 090 PVB - 1/8 Clear	AL/N	2	0.057(2)	0.250	P1-S	Fill 1: ARG/AIR(90/10)	N		CL	0.49	0.25	0.36	23
	00049-00003	3/16 LoE 240 - ARG - 3/16 Clear-090PVB-3/16 Clear	AL/N	2	0.057(2)	0.250	A8-S	Fill 1: ARG/AIR(90/10)	N		CL	0.49	0.25	0.35	23
	00049-00004	3/16 LoE 240 - ARG - 3/16 Clear-090PVB-3/16 Clear	AL/N	2	0.057(2)	0.250	P1-S	Fill 1: ARG/AIR(90/10)	N		CL	0.49	0.25	0.35	23
	00049-00005	3/16 LoE 240 - ARG - 3/16 Clear-090 Gy PVB-3/16 Clear	AL/N	2	0.057(2)	0.250	A8-S	Fill 1: ARG/AIR(90/10)	N		GY	0.49	0.23	0.17	23
	00049-00006	3/16 LoE 240 - ARG - 3/16 Clear-090 Gy PVB-3/16 Clear	AL/N	2	0.057(2)	0.250	P1-S	Fill 1: ARG/AIR(90/10)	N		GY	0.49	0.23	0.17	23
	00049-00007	3/16 LoE 240 - ARG - 3/16 Clear-090 BZ PVB-3/16 Clear	AL/N	2	0.057(2)	0.250	A8-S	Fill 1: ARG/AIR(90/10)	N		BZ	0.49	0.24	0.20	23
	00049-00008	3/16 LoE 240 - ARG - 3/16 Clear-090 BZ PVB-3/16 Clear	AL/N	2	0.057(2)	0.250	P1-S	Fill 1: ARG/AIR(90/10)	N		BZ	0.49	0.24	0.20	23
	00050-00001	1/8 Comfort Select 28 - Air - 1/8 Clear 090 PVB - 1/8 Clear	AL/N	2	0.021(2)	0.250	A8-S	Fill 1: AIR (100)	N		CL	0.54	0.28	0.56	23
	00051-00001	1/8 Comfort Select 36 - Air - 1/8 Clear 090 PVB - 1/8 Clear	AL/N	2	0.027(2)	0.250	A8-S	Fill 1: AIR (100)	N		CL	0.55	0.35	0.59	23
	00052-00001	1/8 Clima Guard 55/27 - Air - 1/8 Clear 090 PVB - 1/8 Clear	AL/N	2	0.031(2)	0.250	A8-S	Fill 1: AIR (100)	N		CL	0.55	0.28	0.50	23

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VR (Enhanced Screen):

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Status	Product Num.	Manufacturer Code	Frame/Sash	Glaz Lyr	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Res.
	00053-00001	1/8 Clima Guard 63/31 - Air - 1/8 Clear 090 PVB - 1/8 Clear	AL/N	2	0.033(2)	0.250	A8-S	Fill 1: AIR (100)	N		CL	0.55	0.30	0.56	23
	00054-00001	1/8 Comfort Select 28 - Arg - 1/8 Clear 090 PVB - 1/8 Clear	AL/N	2	0.021(2)	0.250	A8-S	Fill 1: ARG/AIR (90/10)	N		CL	0.48	0.28	0.56	24
	00055-00001	1/8 Comfort Select 36 - Arg - 1/8 Clear 090 PVB - 1/8 Clear	AL/N	2	0.027(2)	0.250	A8-S	Fill 1: ARG/AIR (90/10)	N		CL	0.48	0.34	0.59	23
	00056-00001	1/8 Clima Guard 55/27 - Arg - 1/8 Clear 090 PVB - 1/8 Clear	AL/N	2	0.031(2)	0.250	A8-S	Fill 1: ARG/AIR (90/10)	N		CL	0.48	0.27	0.50	23
	00057-00001	1/8 Clima Guard 63/31 - Arg - 1/8 Clear 090 PVB - 1/8 Clear	AL/N	2	0.033(2)	0.250	A8-S	Fill 1: ARG/AIR (90/10)	N		CL	0.48	0.30	0.56	23
	00058-00001	1/8 Clima Guard 70/36 - Air - 1/8 Clear 090 PVB - 1/8 Clear	AL/N	2	0.036(2)	0.250	A8-S	Fill 1: AIR (100)	N		CL	0.55	0.33	0.57	23
	00059-00001	1/8 Clima Guard 70/36 - Arg - 1/8 Clear 090 PVB - 1/8 Clear	AL/N	2	0.036(2)	0.250	A8-S	Fill 1: ARG/AIR (90/10)	N		CL	0.49	0.32	0.57	23
	00059-00002	1/8 Clima Guard 70/36 - Arg - 1/8 Clear 090 PVB - 1/8 Clear	AL/N	2	0.036(2)	0.250	P1-S	Fill 1: ARG/AIR(90/10)	N		CL	0.49	0.37	0.63	23
	00059-00003	3/16 ClimaGuard 70/36 - ARG - 3/16 Clear-090PVB-3/16 Clear	AL/N	2	0.036(2)	0.250	A8-S	Fill 1: ARG/AIR(90/10)	N		CL	0.49	0.36	0.62	23
	00059-00004	3/16 ClimaGuard 70/36 - ARG - 3/16 Clear-090PVB-3/16 Clear	AL/N	2	0.036(2)	0.250	P1-S	Fill 1: ARG/AIR(90/10)	N		CL	0.49	0.36	0.62	23
	00059-00005	3/16 ClimaGuard 70/36 - ARG - 3/16 Clear-090 Gy PVB-3/16 Clear	AL/N	2	0.036(2)	0.250	A8-S	Fill 1: ARG/AIR(90/10)	N		GY	0.49	0.34	0.30	23
	00059-00006	3/16 ClimaGuard 70/36 - ARG - 3/16 Clear-090 Gy PVB-3/16 Clear	AL/N	2	0.036(2)	0.250	P1-S	Fill 1: ARG/AIR(90/10)	N		GY	0.49	0.34	0.30	23
	00059-00007	3/16 ClimaGuard 70/36 - ARG - 3/16 Clear-090 BZ PVB-3/16 Clear	AL/N	2	0.036(2)	0.250	A8-S	Fill 1: ARG/AIR(90/10)	N		BZ	0.49	0.34	0.36	23
	00059-00008	3/16 ClimaGuard 70/36 - ARG - 3/16 Clear-090 BZ PVB-3/16 Clear	AL/N	2	0.036(2)	0.250	P1-S	Fill 1: ARG/AIR(90/10)	N		BZ	0.49	0.34	0.36	23
	00059-00009	3/16 ClimaGuard 70/36 - ARG - 3/16 Clear-090 Gre PVB-3/16 Clear	AL/N	2	0.036(2)	0.250	A8-S	Fill 1: ARG/AIR(90/10)	N		GR	0.49	0.35	0.53	23
	00059-00010	3/16 ClimaGuard 70/36 - ARG - 3/16 Clear-090 Gre PVB-3/16 Clear	AL/N	2	0.036(2)	0.250	P1-S	Fill 1: ARG/AIR(90/10)	N		GR	0.49	0.35	0.53	23
	00060-00001	1/8 Clear 090 PVB - 1/8 Clear	AL/N	1	0.149(2)		N		N		CL	0.73	0.65	0.80	9

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	00060-00002	3/16 Clear - 090PVB - 3/16 Clear	AL/N	1	0.149(2)		N		N		CL	0.73	0.62	0.78	9
	00061-00001	1/8 Clear 090 PVB - 1/8 i89	AL/N	1	0.149(2)		N		N		CL	0.73	0.65	0.80	9
	00061-00002	3/16 Clear - 090PVB - 3/16 i89	AL/N	1	0.149(2)		N		N		CL	0.73	0.62	0.78	9
	00062-00001	3/16 LoE 366 - AIR - 3/16 Clear-090 Gy PVB-3/16 Clear	AL/N	2	0.022(2)	0.250	A8-S	Fill 1: AIR(100)	N		GY	0.53	0.25	0.28	24
	00062-00002	3/16 LoE 366 - AIR - 3/16 Clear-090 Gy PVB-3/16 Clear	AL/N	2	0.022(2)	0.250	P1-S	Fill 1: AIR(100)	N		GY	0.53	0.25	0.28	24
	00062-00003	3/16 LoE 366 - AIR - 3/16 Clear-090PVB-3/16 Clear	AL/N	2	0.022(2)	0.250	A8-S	Fill 1: AIR(100)	N		CL	0.53	0.28	0.57	24
	00062-00004	3/16 LoE 366 - AIR - 3/16 Clear-090PVB-3/16 Clear	AL/N	2	0.022(2)	0.250	P1-S	Fill 1: AIR(100)	N		CL	0.53	0.28	0.57	24
	00062-00005	3/16 LoE 366 - AIR - 3/16 Clear-090 BZ PVB-3/16 Clear	AL/N	2	0.022(2)	0.250	A8-S	Fill 1: AIR(100)	N		BZ	0.53	0.25	0.33	24
	00062-00006	3/16 LoE 366 - AIR - 3/16 Clear-090 BZ PVB-3/16 Clear	AL/N	2	0.022(2)	0.250	P1-S	Fill 1: AIR(100)	N		BZ	0.53	0.25	0.33	24
	00063-00001	3/16 LoE 366 - ARG - 3/16 Clear-090 Gy PVB-3/16 Clear	AL/N	2	0.022(2)	0.250	A8-S	Fill 1: ARG/AIR(90/10)	N		GY	0.47	0.25	0.28	25
	00063-00002	3/16 LoE 366 - ARG - 3/16 Clear-090 Gy PVB-3/16 Clear	AL/N	2	0.022(2)	0.250	P1-S	Fill 1: ARG/AIR(90/10)	N		GY	0.47	0.25	0.28	25
	00063-00003	3/16 LoE 366 - ARG - 3/16 Clear-090 BZ PVB-3/16 Clear	AL/N	2	0.022(2)	0.250	A8-S	Fill 1: ARG/AIR(90/10)	N		BZ	0.47	0.25	0.33	25
	00063-00004	3/16 LoE 366 - ARG - 3/16 Clear-090 BZ PVB-3/16 Clear	AL/N	2	0.022(2)	0.250	P1-S	Fill 1: ARG/AIR(90/10)	N		BZ	0.47	0.25	0.33	25
	00064-00001	3/16 LoE 340 - ARG - 3/16 Clear-090 Gy PVB-3/16 Clear	AL/N	2	0.028(2)	0.250	A8-S	Fill 1: ARG/AIR(90/10)	N		GY	0.48	0.18	0.17	25
	00064-00002	3/16 LoE 340 - ARG - 3/16 Clear-090 Gy PVB-3/16 Clear	AL/N	2	0.028(2)	0.250	P1-S	Fill 1: ARG/AIR(90/10)	N		GY	0.48	0.18	0.17	25
	00064-00003	3/16 LoE 340 - ARG - 3/16 Clear-090PVB-3/16 Clear	AL/N	2	0.028(2)	0.250	A8-S	Fill 1: ARG/AIR(90/10)	N		CL	0.48	0.19	0.34	25
	00064-00004	3/16 LoE 340 - ARG - 3/16 Clear-090PVB-3/16 Clear	AL/N	2	0.028(2)	0.250	P1-S	Fill 1: ARG/AIR(90/10)	N		CL	0.48	0.19	0.34	25
	00064-00005	3/16 LoE 340 - ARG - 3/16 Clear-090 BZ PVB-3/16 Clear	AL/N	2	0.028(2)	0.250	A8-S	Fill 1: ARG/AIR(90/10)	N		BZ	0.48	0.18	0.20	25

NFRC Product Certification Authorization Report



Manufacturer: Lawson Industries **Product Series:** 4200/6200 Fixed Window **Simulation Lab:** SFTL **Initial Cert. Date:** 06/20/2007
Street: 8501 NW 90th Street **Product Type:** FIXD **Sim. Report #:** 9047-2 **Re-Certification Date:** 08/26/2016
City/State/Zip: Medley, FL 33166 **Air Leakage:** **Sim. Report Date:** 08/18/2016 **Revised Date:** 12/20/2017
Print Date: 08/03/2018 **VR (Standard Screen):** **Test Date:** 07/13/2016 **Expiration Date:** 07/13/2021
VR (Enhanced Screen):

CPD Number: LAW-A-7															IA: American Architectural Manufacturers Association
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.
	00064-00006	3/16 LoE 340 - ARG - 3/16 Clear-090 BZ PVB-3/16 Clear	AL/N	2	0.028(2)	0.250	P1-S	Fill 1: ARG/AIR(90/10)	N		BZ	0.48	0.18	0.20	25
	00065-00001	3/16 LoE 340 - AIR - 3/16 Clear-090 BZ PVB-3/16 Clear	AL/N	2	0.028(2)	0.250	A8-S	Fill 1: AIR(100)	N		BZ	0.54	0.19	0.20	24
	00065-00002	3/16 LoE 340 - AIR - 3/16 Clear-090 BZ PVB-3/16 Clear	AL/N	2	0.028(2)	0.250	P1-S	Fill 1: AIR(100)	N		BZ	0.54	0.19	0.20	24
	00065-00003	3/16 LoE 340 - AIR - 3/16 Clear-090 Gy PVB-3/16 Clear	AL/N	2	0.028(2)	0.250	A8-S	Fill 1: AIR(100)	N		GY	0.54	0.18	0.17	24
	00065-00004	3/16 LoE 340 - AIR - 3/16 Clear-090 Gy PVB-3/16 Clear	AL/N	2	0.028(2)	0.250	P1-S	Fill 1: AIR(100)	N		GY	0.54	0.18	0.17	24
	00065-00005	3/16 LoE 340 - AIR - 3/16 Clear-090PVB-3/16 Clear	AL/N	2	0.028(2)	0.250	A8-S	Fill 1: AIR(100)	N		CL	0.54	0.20	0.34	24
	00065-00006	3/16 LoE 340 - AIR - 3/16 Clear-090PVB-3/16 Clear	AL/N	2	0.028(2)	0.250	P1-S	Fill 1: AIR(100)	N		CL	0.54	0.20	0.34	24
	00066-00001	3/16 Clear - AIR - 3/16 Clear-090 BZ PVB-3/16 Clear	AL/N	2		0.250	A8-S	Fill 1: AIR(100)	N		BZ	0.65	0.59	0.42	24
	00066-00002	3/16 Clear - AIR - 3/16 Clear-090 BZ PVB-3/16 Clear	AL/N	2		0.250	P1-S	Fill 1: AIR(100)	N		BZ	0.65	0.59	0.42	24
	00066-00003	3/16 Clear - AIR - 3/16 Clear-090PVB-3/16 Clear	AL/N	2		0.250	A8-S	Fill 1: AIR(100)	N		CL	0.65	0.65	0.72	24
	00066-00004	3/16 Clear - AIR - 3/16 Clear-090PVB-3/16 Clear	AL/N	2		0.250	P1-S	Fill 1: AIR(100)	N		CL	0.65	0.65	0.72	24
	00066-00005	3/16 Clear - AIR - 3/16 Clear-090 Gy PVB-3/16 Clear	AL/N	2		0.250	A8-S	Fill 1: AIR(100)	N		GY	0.65	0.58	0.35	24
	00066-00006	3/16 Clear - AIR - 3/16 Clear-090 Gy PVB-3/16 Clear	AL/N	2		0.250	P1-S	Fill 1: AIR(100)	N		GY	0.65	0.58	0.35	24
	00066-00007	3/16 Grey - AIR - 3/16 Clear-090PVB-3/16 Clear	AL/N	2		0.250	A8-S	Fill 1: AIR(100)	N		GY	0.65	0.46	0.41	24
	00066-00008	3/16 Grey - AIR - 3/16 Clear-090PVB-3/16 Clear	AL/N	2		0.250	P1-S	Fill 1: AIR(100)	N		GY	0.65	0.46	0.41	24
	00066-00009	3/16 Bronze - AIR - 3/16 Clear-090PVB-3/16 Clear	AL/N	2		0.250	A8-S	Fill 1: AIR(100)	N		BZ	0.65	0.48	0.47	24
	00066-00010	3/16 Bronze - AIR - 3/16 Clear-090PVB-3/16 Clear	AL/N	2		0.250	P1-S	Fill 1: AIR(100)	N		BZ	0.65	0.48	0.47	24

NFRC Product Certification Authorization Report



Manufacturer: Lawson Industries **Product Series:** 4200/6200 Fixed Window **Simulation Lab:** SFTL **Initial Cert. Date:** 06/20/2007
Street: 8501 NW 90th Street **Product Type:** FIXD **Sim. Report #:** 9047-2 **Re-Certification Date:** 08/26/2016
City/State/Zip: Medley, FL 33166 **Air Leakage:** **Sim. Report Date:** 08/18/2016 **Revised Date:** 12/20/2017
Print Date: 08/03/2018 **VR (Standard Screen):** **Test Date:** 07/13/2016 **Expiration Date:** 07/13/2021
VR (Enhanced Screen):

CPD Number: LAW-A-7															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.
	00067-00001	3/16 Clear - ARG - 3/16 Clear-090 BZ PVB-3/16 Clear	AL/N	2		0.250	A8-S	Fill 1: ARG/AIR(90/10)	N		BZ	0.61	0.59	0.42	24
	00067-00002	3/16 Clear - ARG - 3/16 Clear-090 BZ PVB-3/16 Clear	AL/N	2		0.250	P1-S	Fill 1: ARG/AIR(90/10)	N		BZ	0.61	0.59	0.42	24
	00067-00003	3/16 Clear - ARG - 3/16 Clear-090PVB-3/16 Clear	AL/N	2		0.250	A8-S	Fill 1: ARG/AIR(90/10)	N		CL	0.61	0.65	0.72	24
	00067-00004	3/16 Clear - ARG - 3/16 Clear-090PVB-3/16 Clear	AL/N	2		0.250	P1-S	Fill 1: ARG/AIR(90/10)	N		CL	0.61	0.65	0.72	24
	00067-00005	3/16 Clear - ARG - 3/16 Clear-090 Gy PVB-3/16 Clear	AL/N	2		0.250	A8-S	Fill 1: ARG/AIR(90/10)	N		GY	0.61	0.59	0.35	24
	00067-00006	3/16 Clear - ARG - 3/16 Clear-090 Gy PVB-3/16 Clear	AL/N	2		0.250	P1-S	Fill 1: ARG/AIR(90/10)	N		GY	0.61	0.59	0.35	24
	00067-00007	3/16 Grey - ARG - 3/16 Clear-090PVB-3/16 Clear	AL/N	2		0.250	A8-S	Fill 1: ARG/AIR(90/10)	N		GY	0.61	0.46	0.41	24
	00067-00008	3/16 Grey - ARG - 3/16 Clear-090PVB-3/16 Clear	AL/N	2		0.250	P1-S	Fill 1: ARG/AIR(90/10)	N		GY	0.61	0.46	0.41	24
	00067-00009	3/16 Bronze - ARG - 3/16 Clear-090PVB-3/16 Clear	AL/N	2		0.250	A8-S	Fill 1: ARG/AIR(90/10)	N		BZ	0.61	0.48	0.47	24
	00067-00010	3/16 Bronze - ARG - 3/16 Clear-090PVB-3/16 Clear	AL/N	2		0.250	P1-S	Fill 1: ARG/AIR(90/10)	N		BZ	0.61	0.48	0.47	24
	00068-00001	3/16 Neutral 40 - AIR - 3/16 Clear-090 BZ PVB-3/16 Clear	AL/N	2	0.149(2)	0.250	A8-S	Fill 1: AIR(100)	N		BZ	0.56	0.29	0.21	24
	00068-00002	3/16 Neutral 40 - AIR - 3/16 Clear-090 BZ PVB-3/16 Clear	AL/N	2	0.149(2)	0.250	P1-S	Fill 1: AIR(100)	N		BZ	0.56	0.29	0.21	24
	00068-00003	3/16 Neutral 40 - AIR - 3/16 Clear-090PVB-3/16 Clear	AL/N	2	0.149(2)	0.250	A8-S	Fill 1: AIR(100)	N		CL	0.56	0.31	0.36	24
	00068-00004	3/16 Neutral 40 - AIR - 3/16 Clear-090PVB-3/16 Clear	AL/N	2	0.149(2)	0.250	P1-S	Fill 1: AIR(100)	N		CL	0.56	0.31	0.36	24
	00068-00005	3/16 Neutral 40 - AIR - 3/16 Clear-090 Gy PVB-3/16 Clear	AL/N	2	0.149(2)	0.250	A8-S	Fill 1: AIR(100)	N		GY	0.56	0.29	0.18	24
	00068-00006	3/16 Neutral 40 - AIR - 3/16 Clear-090 Gy PVB-3/16 Clear	AL/N	2	0.149(2)	0.250	P1-S	Fill 1: AIR(100)	N		GY	0.56	0.29	0.18	24
	00068-00007	3/16 Neutral 40 - AIR - 3/16 Clear-090 Gre PVB-3/16 Clear	AL/N	2	0.149(2)	0.250	A8-S	Fill 1: AIR(100)	N		GR	0.56	0.30	0.31	24

NFRC Product Certification Authorization Report



Manufacturer: Lawson Industries **Product Series:** 4200/6200 Fixed Window **Simulation Lab:** SFTL **Initial Cert. Date:** 06/20/2007
Street: 8501 NW 90th Street **Product Type:** FIXD **Sim. Report #:** 9047-2 **Re-Certification Date:** 08/26/2016
City/State/Zip: Medley, FL 33166 **Air Leakage:** **Sim. Report Date:** 08/18/2016 **Revised Date:** 12/20/2017
Print Date: 08/03/2018 **VR (Standard Screen):** **Test Date:** 07/13/2016 **Expiration Date:** 07/13/2021
VR (Enhanced Screen):

CPD Number: LAW-A-7															IA: American Architectural Manufacturers Association
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.
	00068-00008	3/16 Neutral 40 - AIR - 3/16 Clear-090 Gre PVB-3/16 Clear	AL/N	2	0.149(2)	0.250	P1-S	Fill 1: AIR(100)	N		GR	0.56	0.30	0.31	24
	00069-00001	3/16 Neutral 40 - ARG - 3/16 Clear-090 BZ PVB-3/16 Clear	AL/N	2	0.149(2)	0.250	A8-S	Fill 1: ARG/AIR(90/10)	N		BZ	0.51	0.29	0.21	24
	00069-00002	3/16 Neutral 40 - ARG - 3/16 Clear-090 BZ PVB-3/16 Clear	AL/N	2	0.149(2)	0.250	P1-S	Fill 1: ARG/AIR(90/10)	N		BZ	0.51	0.29	0.21	24
	00069-00003	3/16 Neutral 40 - ARG - 3/16 Clear-090PVB-3/16 Clear	AL/N	2	0.149(2)	0.250	A8-S	Fill 1: ARG/AIR(90/10)	N		CL	0.51	0.31	0.36	24
	00069-00004	3/16 Neutral 40 - ARG - 3/16 Clear-090PVB-3/16 Clear	AL/N	2	0.149(2)	0.250	P1-S	Fill 1: ARG/AIR(90/10)	N		CL	0.51	0.31	0.36	24
	00069-00005	3/16 Neutral 40 - ARG - 3/16 Clear-090 Gy PVB-3/16 Clear	AL/N	2	0.149(2)	0.250	A8-S	Fill 1: ARG/AIR(90/10)	N		GY	0.51	0.29	0.18	24
	00069-00006	3/16 Neutral 40 - ARG - 3/16 Clear-090 Gy PVB-3/16 Clear	AL/N	2	0.149(2)	0.250	P1-S	Fill 1: ARG/AIR(90/10)	N		GY	0.51	0.29	0.18	24
	00069-00007	3/16 Neutral 40 - ARG - 3/16 Clear-090 Gre PVB-3/16 Clear	AL/N	2	0.149(2)	0.250	A8-S	Fill 1: ARG/AIR(90/10)	N		GR	0.51	0.30	0.31	24
	00069-00008	3/16 Neutral 40 - ARG - 3/16 Clear-090 Gre PVB-3/16 Clear	AL/N	2	0.149(2)	0.250	P1-S	Fill 1: ARG/AIR(90/10)	N		GR	0.51	0.30	0.31	24
	00070-00001	3/16 ClimaGuard 62/27 - AIR - 3/16 Clear-090 BZ PVB-3/16 Clear	AL/N	2	0.03(2)	0.250	A8-S	Fill 1: AIR(100)	N		BZ	0.54	0.26	0.32	24
	00070-00002	3/16 ClimaGuard 62/27 - AIR - 3/16 Clear-090 BZ PVB-3/16 Clear	AL/N	2	0.03(2)	0.250	P1-S	Fill 1: AIR(100)	N		BZ	0.54	0.26	0.32	24
	00070-00003	3/16 ClimaGuard 62/27 - AIR - 3/16 Clear-090PVB-3/16 Clear	AL/N	2	0.03(2)	0.250	A8-S	Fill 1: AIR(100)	N		CL	0.54	0.28	0.55	24
	00070-00004	3/16 ClimaGuard 62/27 - AIR - 3/16 Clear-090PVB-3/16 Clear	AL/N	2	0.03(2)	0.250	P1-S	Fill 1: AIR(100)	N		CL	0.54	0.28	0.55	24
	00070-00005	3/16 ClimaGuard 62/27 - AIR - 3/16 Clear-090 Gy PVB-3/16 Clear	AL/N	2	0.03(2)	0.250	A8-S	Fill 1: AIR(100)	N		GY	0.54	0.25	0.27	24
	00070-00006	3/16 ClimaGuard 62/27 - AIR - 3/16 Clear-090 Gy PVB-3/16 Clear	AL/N	2	0.03(2)	0.250	P1-S	Fill 1: AIR(100)	N		GY	0.54	0.25	0.27	24
	00070-00007	3/16 ClimaGuard 62/27 - AIR - 3/16 Clear-090 Gre PVB-3/16 Clear	AL/N	2	0.03(2)	0.250	A8-S	Fill 1: AIR(100)	N		GR	0.54	0.27	0.47	24
	00070-00008	3/16 ClimaGuard 62/27 - AIR - 3/16 Clear-090 Gre PVB-3/16 Clear	AL/N	2	0.03(2)	0.250	P1-S	Fill 1: AIR(100)	N		GR	0.54	0.27	0.47	24

NFRC Product Certification Authorization Report



Manufacturer: Lawson Industries **Product Series:** 4200/6200 Fixed Window **Simulation Lab:** SFTL **Initial Cert. Date:** 06/20/2007
Street: 8501 NW 90th Street **Product Type:** FIXD **Sim. Report #:** 9047-2 **Re-Certification Date:** 08/26/2016
City/State/Zip: Medley, FL 33166 **Air Leakage:** **Sim. Report Date:** 08/18/2016 **Revised Date:** 12/20/2017
Print Date: 08/03/2018 **VR (Standard Screen):** **Test Date:** 07/13/2016 **Expiration Date:** 07/13/2021
VR (Enhanced Screen):

CPD Number: LAW-A-7															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.
	00071-00001	3/16 ClimaGuard 62/27 - ARG - 3/16 Clear-090 BZ PVB-3/16 Clear	AL/N	2	0.03(2)	0.250	A8-S	Fill 1: ARG/AIR(90/10)	N		BZ	0.48	0.26	0.32	25
	00071-00002	3/16 ClimaGuard 62/27 - ARG - 3/16 Clear-090 BZ PVB-3/16 Clear	AL/N	2	0.03(2)	0.250	P1-S	Fill 1: ARG/AIR(90/10)	N		BZ	0.48	0.26	0.32	25
	00071-00003	3/16 ClimaGuard 62/27 - ARG - 3/16 Clear-090PVB-3/16 Clear	AL/N	2	0.03(2)	0.250	A8-S	Fill 1: ARG/AIR(90/10)	N		CL	0.48	0.28	0.55	25
	00071-00004	3/16 ClimaGuard 62/27 - ARG - 3/16 Clear-090PVB-3/16 Clear	AL/N	2	0.03(2)	0.250	P1-S	Fill 1: ARG/AIR(90/10)	N		CL	0.48	0.28	0.55	25
	00071-00005	3/16 ClimaGuard 62/27 - ARG - 3/16 Clear-090 Gy PVB-3/16 Clear	AL/N	2	0.03(2)	0.250	A8-S	Fill 1: ARG/AIR(90/10)	N		GY	0.48	0.25	0.27	25
	00071-00006	3/16 ClimaGuard 62/27 - ARG - 3/16 Clear-090 Gy PVB-3/16 Clear	AL/N	2	0.03(2)	0.250	P1-S	Fill 1: ARG/AIR(90/10)	N		GY	0.48	0.25	0.27	25
	00071-00007	3/16 ClimaGuard 62/27 - ARG - 3/16 Clear-090 Gre PVB-3/16 Clear	AL/N	2	0.03(2)	0.250	A8-S	Fill 1: ARG/AIR(90/10)	N		GR	0.48	0.27	0.47	25
	00071-00008	3/16 ClimaGuard 62/27 - ARG - 3/16 Clear-090 Gre PVB-3/16 Clear	AL/N	2	0.03(2)	0.250	P1-S	Fill 1: ARG/AIR(90/10)	N		GR	0.48	0.27	0.47	25
	00072-00001	3/16 ClimaGuard 70/36 - AIR - 3/16 Clear-090 BZ PVB-3/16 Clear	AL/N	2	0.036(2)	0.250	A8-S	Fill 1: AIR(100)	N		BZ	0.54	0.34	0.36	24
	00072-00002	3/16 ClimaGuard 70/36 - AIR - 3/16 Clear-090 BZ PVB-3/16 Clear	AL/N	2	0.036(2)	0.250	P1-S	Fill 1: AIR(100)	N		BZ	0.54	0.34	0.36	24
	00072-00003	3/16 ClimaGuard 70/36 - AIR - 3/16 Clear-090PVB-3/16 Clear	AL/N	2	0.036(2)	0.250	A8-S	Fill 1: AIR(100)	N		CL	0.54	0.36	0.62	24
	00072-00004	3/16 ClimaGuard 70/36 - AIR - 3/16 Clear-090PVB-3/16 Clear	AL/N	2	0.036(2)	0.250	P1-S	Fill 1: AIR(100)	N		CL	0.54	0.36	0.62	24
	00072-00005	3/16 ClimaGuard 70/36 - AIR - 3/16 Clear-090 Gy PVB-3/16 Clear	AL/N	2	0.036(2)	0.250	A8-S	Fill 1: AIR(100)	N		GY	0.54	0.33	0.30	24
	00072-00006	3/16 ClimaGuard 70/36 - AIR - 3/16 Clear-090 Gy PVB-3/16 Clear	AL/N	2	0.036(2)	0.250	P1-S	Fill 1: AIR(100)	N		GY	0.54	0.33	0.30	24
	00072-00007	3/16 ClimaGuard 70/36 - AIR - 3/16 Clear-090 Gre PVB-3/16 Clear	AL/N	2	0.036(2)	0.250	A8-S	Fill 1: AIR(100)	N		GR	0.54	0.35	0.53	24
	00072-00008	3/16 ClimaGuard 70/36 - AIR - 3/16 Clear-090 Gre PVB-3/16 Clear	AL/N	2	0.036(2)	0.250	P1-S	Fill 1: AIR(100)	N		GR	0.54	0.35	0.53	24
	00073-00001	1/8 LoE366-090 PVB-1/8 clear	AL/N	1			N		N		CL	1.04	0.32	0.56	15

NFRC Product Certification Authorization Report



Manufacturer: Lawson Industries **Product Series:** 4200/6200 Fixed Window **Simulation Lab:** SFTL **Initial Cert. Date:** 06/20/2007
Street: 8501 NW 90th Street **Product Type:** FIXD **Sim. Report #:** 9047-2 **Re-Certification Date:** 08/26/2016
City/State/Zip: Medley, FL 33166 **Air Leakage:** **Sim. Report Date:** 08/18/2016 **Revised Date:** 12/20/2017
Print Date: 08/03/2018 **VR (Standard Screen):** **Test Date:** 07/13/2016 **Expiration Date:** 07/13/2021
VR (Enhanced Screen):

CPD Number: LAW-A-7 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.
	00073-00002	3/16 LoE366-090 PVB-3/16 clear	AL/N	1			N		N		CL	1.04	0.33	0.56	15
	00074-00001	1/8 LoE340-090 PVB-1/8 clear	AL/N	1			N		N		CL	1.04	0.27	0.34	15
	00074-00002	3/16 LoE340-090 PVB-3/16 clear	AL/N	1			N		N		CL	1.04	0.28	0.34	15

Baseline Information

Test Lab	Test Date	Test Size	Tested U-Value	Standard U-Value	Test Report Number
TFTL	07/13/2016	1200 mm x 1500 mm	0.494	0.475	9016

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: _____