

NFRC Product Certification Authorization Report



Manufacturer: MGM Industries **Product Series:** 6010/6060/6080 Single Hung **Simulation Lab:** SNCT **Initial Cert. Date:** 02/18/2004
Street: 287 Free Hill Road **Product Type:** VSSH **Sim. Report #:** NCTL-110-14256-01a **Re-Certification Date:** 11/15/2011
City/State/Zip: Hendersonville, TN 37075 **Air Leakage:** 0.10000 **Sim. Report Date:** 08/22/2011 **Revised Date:** 03/23/2012
Print Date: 03/23/2012 **Test Date:** 10/13/2011 **Expiration Date:** 10/13/2015

CPD Number: MGM-A-5														IA: American Architectural Manufacturers Association		
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.	
	00032-00001	2mm Clear/AIR/2mm Clear	VY/VY	2		0.553	SU-D	Fill 1: AIR (100)	N		CL	0.46	0.65	0.67	45	
	00032-00002	2mm Clear/AIR/2mm Clear	VY/VY	2		0.553	SU-D	Fill 1: AIR (100)	G	0.75	CL	0.46	0.58	0.60	45	
	00032-00003	3mm Clear/AIR/3mm Clear	VY/VY	2		0.514	SU-D	Fill 1: AIR (100)	N		CL	0.46	0.63	0.67	45	
	00032-00004	3mm Clear/AIR/3mm Clear	VY/VY	2		0.514	SU-D	Fill 1: AIR (100)	G	0.75	CL	0.46	0.57	0.60	45	
	00032-00005	3mm Gray/AIR/3mm Clear	VY/VY	2		0.514	SU-D	Fill 1: AIR (100)	N		GY	0.46	0.49	0.46	45	
	00032-00006	3mm Gray/AIR/3mm Clear	VY/VY	2		0.514	SU-D	Fill 1: AIR (100)	G	0.75	GY	0.46	0.44	0.41	45	
	00032-00007	3mm Bronze/AIR/3mm Clear	VY/VY	2		0.514	SU-D	Fill 1: AIR (100)	N		BZ	0.46	0.51	0.50	45	
	00032-00008	3mm Bronze/AIR/3mm Clear	VY/VY	2		0.514	SU-D	Fill 1: AIR (100)	G	0.75	BZ	0.46	0.46	0.45	45	
	00033-00001	2 mm LoE ² 270/AIR/2mm Clear	VY/VY	2	0.037(2)	0.553	SU-D	Fill 1: AIR (100)	N		CL	0.32	0.31	0.57	56	
	00033-00002	2 mm LoE ² 270/AIR/2mm Clear	VY/VY	2	0.037(2)	0.553	SU-D	Fill 1: AIR (100)	G	0.75	CL	0.32	0.28	0.51	56	
	00033-00003	3 mm LoE ² 270/AIR/3mm Clear	VY/VY	2	0.037(2)	0.514	SU-D	Fill 1: AIR (100)	N		CL	0.32	0.31	0.57	56	
	00033-00004	3 mm LoE ² 270/AIR/3mm Clear	VY/VY	2	0.037(2)	0.514	SU-D	Fill 1: AIR (100)	G	0.75	CL	0.32	0.28	0.51	56	
	00033-00005	2mm Clear/AIR/2 mm LoE ² 270	VY/VY	2	0.037(3)	0.553	SU-D	Fill 1: AIR (100)	N		CL	0.32	0.38	0.57	56	
	00033-00006	2mm Clear/AIR/2 mm LoE ² 270	VY/VY	2	0.037(3)	0.553	SU-D	Fill 1: AIR (100)	G	0.75	CL	0.32	0.34	0.51	56	
	00033-00007	3mm Clear/AIR/3 mm LoE ² 270	VY/VY	2	0.037(3)	0.514	SU-D	Fill 1: AIR (100)	N		CL	0.32	0.37	0.57	56	
	00033-00008	3mm Clear/AIR/3 mm LoE ² 270	VY/VY	2	0.037(3)	0.514	SU-D	Fill 1: AIR (100)	G	0.75	CL	0.32	0.34	0.51	56	
	00033-00009	3mm Gray/AIR/3 mm LoE ² 270	VY/VY	2	0.037(3)	0.514	SU-D	Fill 1: AIR (100)	N		GY	0.32	0.29	0.39	56	
	00033-00010	3mm Gray/AIR/3 mm LoE ² 270	VY/VY	2	0.037(3)	0.514	SU-D	Fill 1: AIR (100)	G	0.75	GY	0.32	0.26	0.35	56	
	00033-00011	3mm Bronze/AIR/3 mm LoE ² 270	VY/VY	2	0.037(3)	0.514	SU-D	Fill 1: AIR (100)	N		BZ	0.32	0.30	0.43	56	
	00033-00012	3mm Bronze/AIR/3 mm LoE ² 270	VY/VY	2	0.037(3)	0.514	SU-D	Fill 1: AIR (100)	G	0.75	BZ	0.32	0.27	0.38	56	
	00033-00013	3 mm LoE ² 270/AIR/3mm Gray	VY/VY	2	0.037(2)	0.514	SU-D	Fill 1: AIR (100)	N		GY	0.32	0.29	0.39	56	
	00033-00014	3 mm LoE ² 270/AIR/3mm Gray	VY/VY	2	0.037(2)	0.514	SU-D	Fill 1: AIR (100)	G	0.75	GY	0.32	0.27	0.35	56	
	00033-00015	3 mm LoE ² 270/AIR/3mm Bronze	VY/VY	2	0.037(2)	0.514	SU-D	Fill 1: AIR (100)	N		BZ	0.32	0.30	0.43	56	
	00033-00016	3 mm LoE ² 270/AIR/3mm Bronze	VY/VY	2	0.037(2)	0.514	SU-D	Fill 1: AIR (100)	G	0.75	BZ	0.32	0.27	0.38	56	

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CPD Number: MGM-A-5														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.	
	00034-00001	2 mm LoE ² 270/ARG/2mm Clear	VY/VY	2	0.037(2)	0.553	SU-D	Fill 1: ARG/AIR (95/5)	N		CL	0.28	0.30	0.57	60	
	00034-00002	2 mm LoE ² 270/ARG/2mm Clear	VY/VY	2	0.037(2)	0.553	SU-D	Fill 1: ARG/AIR (95/5)	G	0.75	CL	0.28	0.27	0.51	60	
	00034-00003	3 mm LoE ² 270/ARG/3mm Clear	VY/VY	2	0.037(2)	0.514	SU-D	Fill 1: ARG/AIR (95/5)	N		CL	0.28	0.30	0.57	60	
	00034-00004	3 mm LoE ² 270/ARG/3mm Clear	VY/VY	2	0.037(2)	0.514	SU-D	Fill 1: ARG/AIR (95/5)	G	0.75	CL	0.28	0.27	0.51	60	
	00034-00005	2mm Clear/ARG/2 mm LoE ² 270	VY/VY	2	0.037(3)	0.553	SU-D	Fill 1: ARG/AIR (95/5)	N		CL	0.28	0.38	0.57	60	
	00034-00006	2mm Clear/ARG/2 mm LoE ² 270	VY/VY	2	0.037(3)	0.553	SU-D	Fill 1: ARG/AIR (95/5)	G	0.75	CL	0.28	0.34	0.51	60	
	00034-00007	3mm Clear/ARG/3 mm LoE ² 270	VY/VY	2	0.037(3)	0.514	SU-D	Fill 1: ARG/AIR (95/5)	N		CL	0.28	0.38	0.57	60	
	00034-00008	3mm Clear/ARG/3 mm LoE ² 270	VY/VY	2	0.037(3)	0.514	SU-D	Fill 1: ARG/AIR (95/5)	G	0.75	CL	0.28	0.34	0.51	60	
	00034-00009	3mm Gray/ARG/3 mm LoE ² 270	VY/VY	2	0.037(3)	0.514	SU-D	Fill 1: ARG/AIR (95/5)	N		GY	0.28	0.28	0.39	60	
	00034-00010	3mm Gray/ARG/3 mm LoE ² 270	VY/VY	2	0.037(3)	0.514	SU-D	Fill 1: ARG/AIR (95/5)	G	0.75	GY	0.28	0.26	0.35	60	
	00034-00011	3mm Bronze/ARG/3 mm LoE ² 270	VY/VY	2	0.037(3)	0.514	SU-D	Fill 1: ARG/AIR (95/5)	N		BZ	0.28	0.30	0.43	60	
	00034-00012	3mm Bronze/ARG/3 mm LoE ² 270	VY/VY	2	0.037(3)	0.514	SU-D	Fill 1: ARG/AIR (95/5)	G	0.75	BZ	0.28	0.27	0.38	60	
	00034-00013	3 mm LoE ² 270/ARG/3mm Gray	VY/VY	2	0.037(2)	0.514	SU-D	Fill 1: ARG/AIR (95/5)	N		GY	0.28	0.29	0.39	60	
	00034-00014	3 mm LoE ² 270/ARG/3mm Gray	VY/VY	2	0.037(2)	0.514	SU-D	Fill 1: ARG/AIR (95/5)	G	0.75	GY	0.28	0.27	0.35	60	
	00034-00015	3 mm LoE ² 270/ARG/3mm Bronze	VY/VY	2	0.037(2)	0.514	SU-D	Fill 1: ARG/AIR (95/5)	N		BZ	0.28	0.30	0.43	60	
	00034-00016	3 mm LoE ² 270/ARG/3mm Bronze	VY/VY	2	0.037(2)	0.514	SU-D	Fill 1: ARG/AIR (95/5)	G	0.75	BZ	0.28	0.27	0.38	60	
	00035-00001	2 mm LoE ³ 366/AIR/2mm Clear	VY/VY	2	0.022(2)	0.553	SU-D	Fill 1: AIR (100)	N		CL	0.32	0.23	0.53	56	
	00035-00002	2 mm LoE ³ 366/AIR/2mm Clear	VY/VY	2	0.022(2)	0.553	SU-D	Fill 1: AIR (100)	G	0.75	CL	0.32	0.21	0.47	56	
	00035-00003	3 mm LoE ³ 366/AIR/3mm Clear	VY/VY	2	0.022(2)	0.514	SU-D	Fill 1: AIR (100)	N		CL	0.32	0.23	0.52	56	
	00035-00004	3 mm LoE ³ 366/AIR/3mm Clear	VY/VY	2	0.022(2)	0.514	SU-D	Fill 1: AIR (100)	G	0.75	CL	0.32	0.21	0.47	56	
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	00035-00007	3mm Clear/AIR/3 mm LoE ³ 366	VY/VY	2	0.022(3)	0.514	SU-D	Fill 1: AIR (100)	N		CL	0.32	0.32	0.52	56	
	00035-00008	3mm Clear/AIR/3 mm LoE ³ 366	VY/VY	2	0.022(3)	0.514	SU-D	Fill 1: AIR (100)	G	0.75	CL	0.32	0.29	0.47	56	
	00035-00009	3mm Gray/AIR/3 mm LoE ³ 366	VY/VY	2	0.022(3)	0.514	SU-D	Fill 1: AIR (100)	N		GY	0.32	0.24	0.36	56	

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	00035-00010	3mm Gray/AIR/3 mm LoE ³ 366	VY/VY	2	0.022(3)	0.514	SU-D	Fill 1: AIR (100)	G	0.75	GY	0.32	0.22	0.32	56	
	00035-00011	3mm Bronze/AIR/3 mm LoE ³ 366	VY/VY	2	0.022(3)	0.514	SU-D	Fill 1: AIR (100)	N		BZ	0.32	0.26	0.39	56	
	00035-00012	3mm Bronze/AIR/3 mm LoE ³ 366	VY/VY	2	0.022(3)	0.514	SU-D	Fill 1: AIR (100)	G	0.75	BZ	0.32	0.23	0.35	56	
	00035-00013	3 mm LoE ³ 366/AIR/3mm Gray	VY/VY	2	0.022(2)	0.514	SU-D	Fill 1: AIR (100)	N		GY	0.32	0.22	0.36	56	
	00035-00014	3 mm LoE ³ 366/AIR/3mm Gray	VY/VY	2	0.022(2)	0.514	SU-D	Fill 1: AIR (100)	G	0.75	GY	0.32	0.20	0.32	56	
	00035-00015	3 mm LoE ³ 366/AIR/3mm Bronze	VY/VY	2	0.022(2)	0.514	SU-D	Fill 1: AIR (100)	N		BZ	0.32	0.22	0.39	56	
	00035-00016	3 mm LoE ³ 366/AIR/3mm Bronze	VY/VY	2	0.022(2)	0.514	SU-D	Fill 1: AIR (100)	G	0.75	BZ	0.32	0.20	0.35	56	
	00036-00001	2 mm LoE ³ 366/ARG/2mm Clear	VY/VY	2	0.022(2)	0.553	SU-D	Fill 1: ARG/AIR (95/5)	N		CL	0.28	0.23	0.53	60	
	00036-00002	2 mm LoE ³ 366/ARG/2mm Clear	VY/VY	2	0.022(2)	0.553	SU-D	Fill 1: ARG/AIR (95/5)	G	0.75	CL	0.28	0.20	0.47	60	
	00036-00003	3 mm LoE ³ 366/ARG/3mm Clear	VY/VY	2	0.022(2)	0.514	SU-D	Fill 1: ARG/AIR (95/5)	N		CL	0.28	0.22	0.52	60	
	00036-00004	3 mm LoE ³ 366/ARG/3mm Clear	VY/VY	2	0.022(2)	0.514	SU-D	Fill 1: ARG/AIR (95/5)	G	0.75	CL	0.28	0.20	0.47	60	
	00036-00005	2mm Clear/ARG/2 mm LoE ³ 366	VY/VY	2	0.022(3)	0.553	SU-D	Fill 1: ARG/AIR (95/5)	N		CL	0.28	0.32	0.53	60	
	00036-00006	2mm Clear/ARG/2 mm LoE ³ 366	VY/VY	2	0.022(3)	0.553	SU-D	Fill 1: ARG/AIR (95/5)	G	0.75	CL	0.28	0.29	0.47	60	
	00036-00007	3mm Clear/ARG/3 mm LoE ³ 366	VY/VY	2	0.022(3)	0.514	SU-D	Fill 1: ARG/AIR (95/5)	N		CL	0.28	0.32	0.52	60	
	00036-00008	3mm Clear/ARG/3 mm LoE ³ 366	VY/VY	2	0.022(3)	0.514	SU-D	Fill 1: ARG/AIR (95/5)	G	0.75	CL	0.28	0.29	0.47	60	
	00036-00009	3mm Gray/ARG/3 mm LoE ³ 366	VY/VY	2	0.022(3)	0.514	SU-D	Fill 1: ARG/AIR (95/5)	N		GY	0.28	0.24	0.36	60	
	00036-00010	3mm Gray/ARG/3 mm LoE ³ 366	VY/VY	2	0.022(3)	0.514	SU-D	Fill 1: ARG/AIR (95/5)	G	0.75	GY	0.28	0.22	0.32	60	
	00036-00011	3mm Bronze/ARG/3 mm LoE ³ 366	VY/VY	2	0.022(3)	0.514	SU-D	Fill 1: ARG/AIR (95/5)	N		BZ	0.28	0.25	0.39	60	
	00036-00012	3mm Bronze/ARG/3 mm LoE ³ 366	VY/VY	2	0.022(3)	0.514	SU-D	Fill 1: ARG/AIR (95/5)	G	0.75	BZ	0.28	0.23	0.35	60	
	00036-00013	3 mm LoE ³ 366/ARG/3mm Gray	VY/VY	2	0.022(2)	0.514	SU-D	Fill 1: ARG/AIR (95/5)	N		GY	0.28	0.22	0.36	60	
	00036-00014	3 mm LoE ³ 366/ARG/3mm Gray	VY/VY	2	0.022(2)	0.514	SU-D	Fill 1: ARG/AIR (95/5)	G	0.75	GY	0.28	0.20	0.32	60	
	00036-00015	3 mm LoE ³ 366/ARG/3mm Bronze	VY/VY	2	0.022(2)	0.514	SU-D	Fill 1: ARG/AIR (95/5)	N		BZ	0.28	0.22	0.39	60	
	00036-00016	3 mm LoE ³ 366/ARG/3mm Bronze	VY/VY	2	0.022(2)	0.514	SU-D	Fill 1: ARG/AIR (95/5)	G	0.75	BZ	0.28	0.20	0.35	60	
	00037-00001	3mm Gray/ARG/3mm Clear	VY/VY	2		0.514	SU-D	Fill 1: ARG/AIR (95/5)	N		GY	0.44	0.49	0.46	45	
	00037-00002	3mm Gray/ARG/3mm Clear	VY/VY	2		0.514	SU-D	Fill 1: ARG/AIR (95/5)	G	0.75	GY	0.44	0.44	0.41	45	

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	00037-00003	3mm Bronze/ARG/3mm Clear	VY/VY	2		0.514	SU-D	Fill 1: ARG/AIR (95/5)	N		BZ	0.44	0.51	0.50	45
	00037-00004	3mm Bronze/ARG/3mm Clear	VY/VY	2		0.514	SU-D	Fill 1: ARG/AIR (95/5)	G	0.75	BZ	0.44	0.46	0.45	45
	00038-00001	6060, 3mm Clear/AIR/3mm Clear	VY/VI	2		0.514	SU-D	Fill 1: AIR (100)	N		CL	0.49	0.63	0.67	44
	00038-00002	6060, 3mm Clear/AIR/3mm Clear	VY/VI	2		0.514	SU-D	Fill 1: AIR (100)	G	0.75	CL	0.49	0.57	0.60	44
	00038-00003	6060, 3mm Gray/AIR/3mm Clear	VY/VI	2		0.514	SU-D	Fill 1: AIR (100)	N		GY	0.49	0.49	0.46	44
	00038-00004	6060, 3mm Gray/AIR/3mm Clear	VY/VI	2		0.514	SU-D	Fill 1: AIR (100)	G	0.75	GY	0.49	0.44	0.41	44
	00038-00005	6060, 3mm Bronze/AIR/3mm Clear	VY/VI	2		0.514	SU-D	Fill 1: AIR (100)	N		BZ	0.49	0.51	0.50	44
	00038-00006	6060, 3mm Bronze/AIR/3mm Clear	VY/VI	2		0.514	SU-D	Fill 1: AIR (100)	G	0.75	BZ	0.49	0.46	0.45	44
	00039-00001	6060, 3 mm LoE ² 270/AIR/3mm Clear	VY/VI	2	0.037(2)	0.514	SU-D	Fill 1: AIR (100)	N		CL	0.34	0.31	0.57	55
	00039-00002	6060, 3 mm LoE ² 270/AIR/3mm Clear	VY/VI	2	0.037(2)	0.514	SU-D	Fill 1: AIR (100)	G	0.75	CL	0.34	0.28	0.51	55
	00039-00003	6060, 3mm Clear/AIR/3 mm LoE ² 270	VY/VI	2	0.037(3)	0.514	SU-D	Fill 1: AIR (100)	N		CL	0.34	0.37	0.57	55
	00039-00004	6060, 3mm Clear/AIR/3 mm LoE ² 270	VY/VI	2	0.037(3)	0.514	SU-D	Fill 1: AIR (100)	G	0.75	CL	0.34	0.34	0.51	55
	00039-00005	6060, 3mm Gray/AIR/3 mm LoE ² 270	VY/VI	2	0.037(3)	0.514	SU-D	Fill 1: AIR (100)	N		GY	0.34	0.29	0.39	55
	00039-00006	6060, 3mm Gray/AIR/3 mm LoE ² 270	VY/VI	2	0.037(3)	0.514	SU-D	Fill 1: AIR (100)	G	0.75	GY	0.34	0.26	0.35	55
	00039-00007	6060, 3mm Bronze/AIR/3 mm LoE ² 270	VY/VI	2	0.037(3)	0.514	SU-D	Fill 1: AIR (100)	N		BZ	0.34	0.30	0.43	55
	00039-00008	6060, 3mm Bronze/AIR/3 mm LoE ² 270	VY/VI	2	0.037(3)	0.514	SU-D	Fill 1: AIR (100)	G	0.75	BZ	0.34	0.27	0.38	55
	00039-00009	6060, 3 mm LoE ² 270/AIR/3mm Gray	VY/VI	2	0.037(2)	0.514	SU-D	Fill 1: AIR (100)	N		GY	0.34	0.29	0.39	55
	00039-00010	6060, 3 mm LoE ² 270/AIR/3mm Gray	VY/VI	2	0.037(2)	0.514	SU-D	Fill 1: AIR (100)	G	0.75	GY	0.34	0.27	0.35	55
	00039-00011	6060, 3 mm LoE ² 270/AIR/3mm Bronze	VY/VI	2	0.037(2)	0.514	SU-D	Fill 1: AIR (100)	N		BZ	0.34	0.30	0.43	55
	00039-00012	6060, 3 mm LoE ² 270/AIR/3mm Bronze	VY/VI	2	0.037(2)	0.514	SU-D	Fill 1: AIR (100)	G	0.75	BZ	0.34	0.27	0.38	55
	00040-00001	6060, 3 mm LoE ² 270/ARG/3mm Clear	VY/VI	2	0.037(2)	0.514	SU-D	Fill 1: ARG/AIR (95/5)	N		CL	0.30	0.30	0.57	58
	00040-00002	6060, 3 mm LoE ² 270/ARG/3mm Clear	VY/VI	2	0.037(2)	0.514	SU-D	Fill 1: ARG/AIR (95/5)	G	0.75	CL	0.30	0.27	0.51	58
	00040-00003	6060, 3mm Clear/ARG/3 mm LoE ² 270	VY/VI	2	0.037(3)	0.514	SU-D	Fill 1: ARG/AIR (95/5)	N		CL	0.30	0.38	0.57	58
	00040-00004	6060, 3mm Clear/ARG/3 mm LoE ² 270	VY/VI	2	0.037(3)	0.514	SU-D	Fill 1: ARG/AIR (95/5)	G	0.75	CL	0.30	0.34	0.51	58
	00040-00005	6060, 3mm Gray/ARG/3 mm LoE ² 270	VY/VI	2	0.037(3)	0.514	SU-D	Fill 1: ARG/AIR (95/5)	N		GY	0.30	0.28	0.39	58

NFRC Product Certification Authorization Report



Manufacturer: MGM Industries **Product Series:** 6010/6060/6080 Single Hung **Simulation Lab:** SNCT **Initial Cert. Date:** 02/18/2004
Street: 287 Free Hill Road **Product Type:** VSSH **Sim. Report #:** NCTL-110-14256-01a **Re-Certification Date:** 11/15/2011
City/State/Zip: Hendersonville, TN 37075 **Air Leakage:** 0.10000 **Sim. Report Date:** 08/22/2011 **Revised Date:** 03/23/2012
Print Date: 03/23/2012 **Test Date:** 10/13/2011 **Expiration Date:** 10/13/2015

CPD Number: MGM-A-5													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.	
	00040-00006	6060, 3mm Gray/ARG/3 mm LoE ² 270	VY/VI	2	0.037(3)	0.514	SU-D	Fill 1: ARG/AIR (95/5)	G	0.75	GY	0.30	0.26	0.35	58	
	00040-00007	6060, 3mm Bronze/ARG/3 mm LoE ² 270	VY/VI	2	0.037(3)	0.514	SU-D	Fill 1: ARG/AIR (95/5)	N		BZ	0.30	0.30	0.43	58	
	00040-00008	6060, 3mm Bronze/ARG/3 mm LoE ² 270	VY/VI	2	0.037(3)	0.514	SU-D	Fill 1: ARG/AIR (95/5)	G	0.75	BZ	0.30	0.27	0.38	58	
	00040-00009	6060, 3 mm LoE ² 270/ARG/3mm Gray	VY/VI	2	0.037(2)	0.514	SU-D	Fill 1: ARG/AIR (95/5)	N		GY	0.30	0.29	0.39	58	
	00040-00010	6060, 3 mm LoE ² 270/ARG/3mm Gray	VY/VI	2	0.037(2)	0.514	SU-D	Fill 1: ARG/AIR (95/5)	G	0.75	GY	0.30	0.27	0.35	58	
	00040-00011	6060, 3 mm LoE ² 270/ARG/3mm Bronze	VY/VI	2	0.037(2)	0.514	SU-D	Fill 1: ARG/AIR (95/5)	N		BZ	0.30	0.30	0.43	58	
	00040-00012	6060, 3 mm LoE ² 270/ARG/3mm Bronze	VY/VI	2	0.037(2)	0.514	SU-D	Fill 1: ARG/AIR (95/5)	G	0.75	BZ	0.30	0.27	0.38	58	
	00041-00001	6060, 3 mm LoE ³ 366/AIR/3mm Clear	VY/VI	2	0.022(2)	0.514	SU-D	Fill 1: AIR (100)	N		CL	0.34	0.23	0.52	55	
	00041-00002	6060, 3 mm LoE ³ 366/AIR/3mm Clear	VY/VI	2	0.022(2)	0.514	SU-D	Fill 1: AIR (100)	G	0.75	CL	0.34	0.21	0.47	55	
	00041-00003	6060, 3mm Clear/AIR/3 mm LoE ³ 366	VY/VI	2	0.022(3)	0.514	SU-D	Fill 1: AIR (100)	N		CL	0.34	0.32	0.52	55	
	00041-00004	6060, 3mm Clear/AIR/3 mm LoE ³ 366	VY/VI	2	0.022(3)	0.514	SU-D	Fill 1: AIR (100)	G	0.75	CL	0.34	0.29	0.47	55	
	00041-00005	6060, 3mm Gray/AIR/3 mm LoE ³ 366	VY/VI	2	0.022(3)	0.514	SU-D	Fill 1: AIR (100)	N		GY	0.34	0.24	0.36	55	
	00041-00006	6060, 3mm Gray/AIR/3 mm LoE ³ 366	VY/VI	2	0.022(3)	0.514	SU-D	Fill 1: AIR (100)	G	0.75	GY	0.34	0.22	0.32	55	
	00041-00007	6060, 3mm Bronze/AIR/3 mm LoE ³ 366	VY/VI	2	0.022(3)	0.514	SU-D	Fill 1: AIR (100)	N		BZ	0.34	0.26	0.39	55	
	00041-00008	6060, 3mm Bronze/AIR/3 mm LoE ³ 366	VY/VI	2	0.022(3)	0.514	SU-D	Fill 1: AIR (100)	G	0.75	BZ	0.34	0.23	0.35	55	
	00041-00009	6060, 3 mm LoE ³ 366/AIR/3mm Gray	VY/VI	2	0.022(2)	0.514	SU-D	Fill 1: AIR (100)	N		GY	0.34	0.22	0.36	55	
	00041-00010	6060, 3 mm LoE ³ 366/AIR/3mm Gray	VY/VI	2	0.022(2)	0.514	SU-D	Fill 1: AIR (100)	G	0.75	GY	0.34	0.20	0.32	55	
	00041-00011	6060, 3 mm LoE ³ 366/AIR/3mm Bronze	VY/VI	2	0.022(2)	0.514	SU-D	Fill 1: AIR (100)	N		BZ	0.34	0.22	0.39	55	
	00041-00012	6060, 3 mm LoE ³ 366/AIR/3mm Bronze	VY/VI	2	0.022(2)	0.514	SU-D	Fill 1: AIR (100)	G	0.75	BZ	0.34	0.20	0.35	55	
	00042-00001	6060, 3 mm LoE ³ 366/ARG/3mm Clear	VY/VI	2	0.022(2)	0.514	SU-D	Fill 1: ARG/AIR (95/5)	N		CL	0.30	0.22	0.52	58	
	00042-00002	6060, 3 mm LoE ³ 366/ARG/3mm Clear	VY/VI	2	0.022(2)	0.514	SU-D	Fill 1: ARG/AIR (95/5)	G	0.75	CL	0.30	0.20	0.47	58	
	00042-00003	6060, 3mm Clear/ARG/3 mm LoE ³ 366	VY/VI	2	0.022(3)	0.514	SU-D	Fill 1: ARG/AIR (95/5)	N		CL	0.30	0.32	0.52	58	
	00042-00004	6060, 3mm Clear/ARG/3 mm LoE ³ 366	VY/VI	2	0.022(3)	0.514	SU-D	Fill 1: ARG/AIR (95/5)	G	0.75	CL	0.30	0.29	0.47	58	

NFRC Product Certification Authorization Report



Manufacturer: MGM Industries **Product Series:** 6010/6060/6080 Single Hung **Simulation Lab:** SNCT **Initial Cert. Date:** 02/18/2004
Street: 287 Free Hill Road **Product Type:** VSSH **Sim. Report #:** NCTL-110-14256-01a **Re-Certification Date:** 11/15/2011
City/State/Zip: Hendersonville, TN 37075 **Air Leakage:** 0.10000 **Sim. Report Date:** 08/22/2011 **Revised Date:** 03/23/2012
Print Date: 03/23/2012 **Test Date:** 10/13/2011 **Expiration Date:** 10/13/2015

CPD Number: MGM-A-5														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.	
	00042-00005	6060, 3mm Gray/ARG/3 mm LoE ³ 366	VY/VI	2	0.022(3)	0.514	SU-D	Fill 1: ARG/AIR (95/5)	N		GY	0.30	0.24	0.36	58	
	00042-00006	6060, 3mm Gray/ARG/3 mm LoE ³ 366	VY/VI	2	0.022(3)	0.514	SU-D	Fill 1: ARG/AIR (95/5)	G	0.75	GY	0.30	0.22	0.32	58	
	00042-00007	6060, 3mm Bronze/ARG/3 mm LoE ³ 366	VY/VI	2	0.022(3)	0.514	SU-D	Fill 1: ARG/AIR (95/5)	N		BZ	0.30	0.25	0.39	58	
	00042-00008	6060, 3mm Bronze/ARG/3 mm LoE ³ 366	VY/VI	2	0.022(3)	0.514	SU-D	Fill 1: ARG/AIR (95/5)	G	0.75	BZ	0.30	0.23	0.35	58	
	00042-00009	6060, 3 mm LoE ³ 366/ARG/3mm Gray	VY/VI	2	0.022(2)	0.514	SU-D	Fill 1: ARG/AIR (95/5)	N		GY	0.30	0.22	0.36	58	
	00042-00010	6060, 3 mm LoE ³ 366/ARG/3mm Gray	VY/VI	2	0.022(2)	0.514	SU-D	Fill 1: ARG/AIR (95/5)	G	0.75	GY	0.30	0.20	0.32	58	
	00042-00011	6060, 3 mm LoE ³ 366/ARG/3mm Bronze	VY/VI	2	0.022(2)	0.514	SU-D	Fill 1: ARG/AIR (95/5)	N		BZ	0.30	0.22	0.39	58	
	00042-00012	6060, 3 mm LoE ³ 366/ARG/3mm Bronze	VY/VI	2	0.022(2)	0.514	SU-D	Fill 1: ARG/AIR (95/5)	G	0.75	BZ	0.30	0.20	0.35	58	
	00043-00001	6080, 3mm Gray/ARG/3mm Clear	VY/VI	2		0.514	SU-D	Fill 1: ARG/AIR (95/5)	N		GY	0.47	0.49	0.46	46	
	00043-00002	6080, 3mm Gray/ARG/3mm Clear	VY/VI	2		0.514	SU-D	Fill 1: ARG/AIR (95/5)	G	0.75	GY	0.47	0.44	0.41	46	
	00043-00003	6080, 3mm Bronze/ARG/3mm Clear	VY/VI	2		0.514	SU-D	Fill 1: ARG/AIR (95/5)	N		BZ	0.47	0.51	0.50	46	
	00043-00004	6080, 3mm Bronze/ARG/3mm Clear	VY/VI	2		0.514	SU-D	Fill 1: ARG/AIR (95/5)	G	0.75	BZ	0.47	0.46	0.45	46	
	00044-00001	6080, Clear laminate/AIR/3mm Clear	VY/VI	2		0.294	SU-D	Fill 1: AIR (100)	N		CL	0.52	0.55	0.65	42	
	00045-00001	6080, Clear laminate/AIR/3 mm LoE ² 270	VY/VI	2	0.037(3)	0.294	SU-D	Fill 1: AIR (100)	N		CL	0.40	0.35	0.55	46	
	00045-00002	6080, 3 mm LoE ² 270/AIR/Clear laminate	VY/VI	2	0.037(2)	0.294	SU-D	Fill 1: AIR (100)	N		CL	0.40	0.30	0.55	46	
	00046-00001	6080, Clear laminate/AIR/3 mm LoE ³ 366	VY/VI	2	0.022(3)	0.294	SU-D	Fill 1: AIR (100)	N		CL	0.40	0.30	0.51	46	
	00046-00002	6080, 3 mm LoE ³ 366/AIR/Clear laminate	VY/VI	2	0.022(2)	0.294	SU-D	Fill 1: AIR (100)	N		CL	0.40	0.23	0.51	46	
	00047-00001	6080, Clear laminate/ARG/3 mm LoE ² 270	VY/VI	2	0.037(3)	0.294	SU-D	Fill 1: ARG/AIR (95/5)	N		CL	0.35	0.35	0.55	49	
	00047-00002	6080, 3 mm LoE ² 270/ARG/Clear laminate	VY/VI	2	0.037(2)	0.294	SU-D	Fill 1: ARG/AIR (95/5)	N		CL	0.35	0.30	0.55	49	
	00048-00001	6080, Clear laminate/ARG/3 mm LoE ³ 366	VY/VI	2	0.022(3)	0.294	SU-D	Fill 1: ARG/AIR (95/5)	N		CL	0.34	0.30	0.51	49	

NFRC Product Certification Authorization Report



Manufacturer: MGM Industries **Product Series:** 6010/6060/6080 Single Hung **Simulation Lab:** SNCT **Initial Cert. Date:** 02/18/2004
Street: 287 Free Hill Road **Product Type:** VSSH **Sim. Report #:** NCTL-110-14256-01a **Re-Certification Date:** 11/15/2011
City/State/Zip: Hendersonville, TN 37075 **Air Leakage:** 0.10000 **Sim. Report Date:** 08/22/2011 **Revised Date:** 03/23/2012
Print Date: 03/23/2012 **Test Date:** 10/13/2011 **Expiration Date:** 10/13/2015

CPD Number: MGM-A-5													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.	
	00048-00002	6080, 3 mm LoE ³ 366/ARG/Clear laminate	VY/VI	2	0.022(2)	0.294	SU-D	Fill 1: ARG/AIR (95/5)	N		CL	0.34	0.23	0.51	49	
	00049-00001	6080, Clear laminate/AIR/3mm Clear	VY/VI	2		0.294	SU-D	Fill 1: AIR (100)	G	0.75	CL	0.53	0.50	0.58	42	
	00050-00001	6080, Clear laminate/AIR/3 mm LoE ² 270	VY/VI	2	0.037(3)	0.294	SU-D	Fill 1: AIR (100)	G	0.75	CL	0.42	0.32	0.49	46	
	00050-00002	6080, 3 mm LoE ² 270/AIR/Clear laminate	VY/VI	2	0.037(2)	0.294	SU-D	Fill 1: AIR (100)	G	0.75	CL	0.42	0.28	0.49	46	
	00051-00001	6080, Clear laminate/AIR/3 mm LoE ³ 366	VY/VI	2	0.022(3)	0.294	SU-D	Fill 1: AIR (100)	G	0.75	CL	0.42	0.27	0.45	46	
	00051-00002	6080, 3 mm LoE ³ 366/AIR/Clear laminate	VY/VI	2	0.022(2)	0.294	SU-D	Fill 1: AIR (100)	G	0.75	CL	0.42	0.21	0.45	46	
	00052-00001	6080, Clear laminate/ARG/3 mm LoE ² 270	VY/VI	2	0.037(3)	0.294	SU-D	Fill 1: ARG/AIR (95/5)	G	0.75	CL	0.37	0.32	0.49	49	
	00052-00002	6080, 3 mm LoE ² 270/ARG/Clear laminate	VY/VI	2	0.037(2)	0.294	SU-D	Fill 1: ARG/AIR (95/5)	G	0.75	CL	0.37	0.27	0.49	49	
	00053-00001	6080, Clear laminate/ARG/3 mm LoE ³ 366	VY/VI	2	0.022(3)	0.294	SU-D	Fill 1: ARG/AIR (95/5)	G	0.75	CL	0.36	0.27	0.45	49	
	00053-00002	6080, 3 mm LoE ³ 366/ARG/Clear laminate	VY/VI	2	0.022(2)	0.294	SU-D	Fill 1: ARG/AIR (95/5)	G	0.75	CL	0.36	0.21	0.45	49	

Baseline Information

Test Lab	Test Date	Test Size	Tested U-Value	Standard U-Value	Test Report Number
TNCT	10/13/2011	1200mm X 1500mm	0.310	0.300	NCTL-110-14257-1

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: _____