

TEST REPORT FOR GRAHAM ARCHITECTURAL PRODUCTS CORP.

Report No: Q6524.01-116-45 R0

Date: 12/15/23

SECTION 6

SIMULATION RESULTS

TOTAL PRODUCT CALCULATIONS (HI7800 OS Terrace Door)												
Option Number	Pane Thickness 1 (in)	Gap Width 1 (in)	Pane Thickness 2 (in)	Gap Width 2 (in)	Pane Thickness 3 (in)	Gap Width 3 (in)	Pane Thickness 4 (in)	Gap Fill	Low-e (Surface #)	Tint	Spacer	Grid Type
	U-Factor (Btu/Hr-Ft ² -F)			Solar Heat Gain Coefficient (SHGC) Grids (None / <1 / >=1)				Visible Transmittance (VT) Grids (None / <1 / >=1)		Condensation Resistance (CR)		
1	CLR/ARG95/E180ESC (6MM/6MM) 1" IG											
	0.224	0.500	0.224					ARG95	0.080(#3)	CL	SS-D	N
	U-Factor 0.42			SHGC(N) 0.43				VT(N) 0.48		CR 46		
2	E272/ARG95/CLR (6MM/6MM) 1" IG											
	0.224	0.500	0.224					ARG95	0.042(#2)	CL	SS-D	N
	U-Factor 0.41			SHGC(N) 0.27				VT(N) 0.44		CR 46		
3	E366/ARG95/CLR (6MM/6MM) 1" IG											
	0.224	0.500	0.224					ARG95	0.020(#2)	CL	SS-D	N
	U-Factor 0.41			SHGC(N) 0.19				VT(N) 0.39		CR 46		
4	E272/ARG95/i89 (6MM/6MM) 1" IG											
	0.224	0.500	0.223					ARG95	0.042(#2) / 0.149(#4)	CL	SS-D	N
	U-Factor 0.38			SHGC(N) 0.26				VT(N) 0.43		CR 46		
5	E272/ARG95/LAMI (5MM/3MM 060 3MM) 1" IG											
	0.187	0.500	0.304					ARG95	0.042(#2)	CL	SS-D	N
	U-Factor 0.41			SHGC(N) 0.27				VT(N) 0.43		CR 46		
6	CLR/ARG90/E270VIG (6MM/4MM/4MM) 1" IG											
	0.224	0.438	0.154	0.008	0.154			ARG90/VIG	0.035(#4)	CL	SS-D	N
	U-Factor 0.32			SHGC(N) 0.22				VT(N) 0.39		CR 41		
7	E272/ARG95/LAMI (5MM/5MM 090 5MM) 1-1/4" IG											
	0.187	0.594	0.461					ARG95	0.042(#2)	CL	SS-D	N
	U-Factor 0.41			SHGC(N) 0.26				VT(N) 0.43		CR 47		
8	E366/ARG95/LAMI (5MM/5MM 090 5MM) 1-1/4" IG											
	0.185	0.594	0.461					ARG95	0.020(#2)	CL	SS-D	N
	U-Factor 0.41			SHGC(N) 0.18				VT(N) 0.38		CR 47		
9	E366/ARG95/CLR/ARG95/E180 (3mm/1mm/3mm) - 1-1/4" IG											
	0.118	0.473	0.044	0.473	0.118			ARG95	0.020(#2) / 0.068(#5)	CL	SS-D	N
	U-Factor 0.34			SHGC(N) 0.17				VT(N) 0.36		CR 47		
10	SN68/ARG90/CLR (6MM/6MM) 1" IG											
	0.221	0.500	0.221					ARG90	0.039(#2)	CL	SS-D	N
	U-Factor 0.42			SHGC(N) 0.25				VT(N) 0.42		CR 45		

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Option Number	Pane Thickness 1 (in)	Gap Width 1 (in)	Pane Thickness 2 (in)	Gap Width 2 (in)	Pane Thickness 3 (in)	Gap Width 3 (in)	Pane Thickness 4 (in)	Gap Fill	Low-e (Surface #)	Tint	Spacer	Grid Type
	U-Factor (Btu/Hr-Ft ² -F)			Solar Heat Gain Coefficient (SHGC) Grids (None / <1 / >=1)				Visible Transmittance (VT) Grids (None / <1 / >=1)		Condensation Resistance (CR)		
11	SNX6227/ARG90/CLR (6MM/6MM) 1" IG											
	0.221	0.500	0.221					ARG90	0.020(#2)	CL	SS-D	N
	U-Factor 0.42			SHGC(N) 0.18				VT(N) 0.39		CR 45		
12	SB60/ARG90/CLR (6MM/6MM) 1" IG											
	0.223	0.500	0.223					ARG90	0.035(#2)	CL	SS-D	N
	U-Factor 0.42			SHGC(N) 0.26				VT(N) 0.44		CR 45		
13	SB70/ARG90/CLR (6MM/6MM) 1" IG											
	0.223	0.500	0.223					ARG90	0.018(#2)	CL	SS-D	N
	U-Factor 0.42			SHGC(N) 0.18				VT(N) 0.40		CR 45		
14	SN68/ARG90/LAMI (5MM/5MM 090 5MM) 1-1/4" IG											
	0.182	0.594	0.461					ARG90	0.039(#2)	CL	SS-D	N
	U-Factor 0.42			SHGC(N) 0.25				VT(N) 0.41		CR 46		
15	SNX6227/ARG90/LAMI (5MM/5MM 090 5MM) 1-1/4" IG											
	0.182	0.594	0.461					ARG90	0.020(#2)	CL	SS-D	N
	U-Factor 0.41			SHGC(N) 0.18				VT(N) 0.38		CR 46		
16	SB60/ARG90/LAMI (5MM/5MM 090 5MM) 1-1/4" IG											
	0.184	0.594	0.461					ARG90	0.035(#2)	CL	SS-D	N
	U-Factor 0.42			SHGC(N) 0.26				VT(N) 0.43		CR 46		
17	SB70/ARG90/CLR (5MM/5MM) 1-1/4" IG											
	0.184	0.875	0.184					ARG90	0.018(#2)	CL	SS-D	N
	U-Factor 0.42			SHGC(N) 0.19				VT(N) 0.41		CR 45		
18	SNX5123/ARG90/CLR (6MM/6MM) 1" IG											
	0.221	0.500	0.221					ARG90	0.021(#2)	CL	TS-D	N
	U-Factor 0.41			SHGC(N) 0.16				VT(N) 0.32		CR 46		
19	SNX6227/ARG90/IS20 (6MM/6MM) 1" IG											
	0.221	0.500	0.221					ARG90	0.020(#2) / 0.198(#4)	CL	TS-D	N
	U-Factor 0.38			SHGC(N) 0.18				VT(N) 0.37		CR 46		
20	SNX5123/ARG90/LAMI (5MM/5MM 090 5MM) 1-1/4" IG											
	0.182	0.594	0.461					ARG90	0.021(#2)	CL	TS-D	N
	U-Factor 0.41			SHGC(N) 0.15				VT(N) 0.31		CR 47		

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	U-Factor (Btu/Hr-Ft ² -F)		Solar Heat Gain Coefficient (SHGC) Grids (None / <1 / >=1)				Visible Transmittance (VT) Grids (None / <1 / >=1)		Condensation Resistance (CR)								
21	SB70/ARG90/CLR (6MM/6MM) 1" IG																
	0.223	0.500	0.223					ARG90	0.018(#2)	CL	TP-D	N					
	U-Factor		0.40		SHGC(N)			0.18		VT(N)		0.40		CR		47	