

TEST REPORT FOR GRAHAM ARCHITECTURAL PRODUCTS CORP.

Report No: K9588.03-116-45 R1

Date: 06/26/23

SECTION 6

SIMULATION RESULTS

TOTAL PRODUCT CALCULATIONS (GT2200 SH)												
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-Ft2-F)			Solar Heat Gain Coefficient (SHGC) Grids (None / <1 / >=1)				Visible Transmittance (VT) Grids (None / <1 / >=1)		Condensation Resistance (CR)		
1	Allmetal: SN68 / air / clr (6mm/6mm) 15/16" IG											
	0.221	0.438	0.221					AIR	0.039(#2)	CL	SS-D	N
	U-Factor 0.44			SHGC(N) 0.29				VT(N) 0.50		CR 46		
2	Allmetal: SN68 / arg / clr (6mm/6mm) 15/16" IG											
	0.221	0.438	0.221					ARG95	0.039(#2)	CL	SS-D	N
	U-Factor 0.41			SHGC(N) 0.29				VT(N) 0.50		CR 48		
3	Allmetal: SNX62/27 / arg / clr (6mm/6mm) 15/16" IG											
	0.221	0.438	0.221					ARG95	0.020(#2)	CL	SS-D	N
	U-Factor 0.40			SHGC(N) 0.20				VT(N) 0.45		CR 48		
4	Allmetal: SNX51/23 / arg / clr (6mm/6mm) 15/16" IG											
	0.221	0.438	0.221					ARG95	0.021(#2)	CL	SS-D	N
	U-Factor 0.40			SHGC(N) 0.18				VT(N) 0.37		CR 48		
5	Allmetal: SB60 / arg / clr (6mm/6mm) 15/16" IG											
	0.223	0.438	0.223					ARG95	0.035(#2)	CL	SS-D	N
	U-Factor 0.41			SHGC(N) 0.29				VT(N) 0.52		CR 48		
6	Allmetal: SB70 / arg / clr (6mm/6mm) 15/16" IG											
	0.223	0.438	0.223					ARG95	0.018(#2)	CL	SS-D	N
	U-Factor 0.40			SHGC(N) 0.21				VT(N) 0.47		CR 48		
7	Allmetal: SNX62/27 / arg / IS-20 (6mm/6mm) 15/16" IG											
	0.221	0.438	0.221					ARG95	0.020(#2) / 0.198(#4)	CL	SS-D	N
	U-Factor 0.37			SHGC(N) 0.20				VT(N) 0.44		CR 40		
8	Endur: E366 / arg / clr (6mm/6mm) 15/16" IG											
	0.224	0.438	0.224					ARG95	0.020(#2)	CL	SS-D	N
	U-Factor 0.38			SHGC(N) 0.21				VT(N) 0.46		CR 50		
9	XL Edge: E272 / arg / clr (6mm/6mm) 15/16" IG											
	0.224	0.438	0.224					ARG95	0.042(#2)	CL	SS-D	N
	U-Factor 0.39			SHGC(N) 0.30				VT(N) 0.51		CR 49		
10	XL Edge: E272 / air / clr (6mm/6mm) 15/16" IG											
	0.224	0.438	0.224					AIR	0.042(#2)	CL	SS-D	N
	U-Factor 0.43			SHGC(N) 0.31				VT(N) 0.51		CR 49		

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SECTION 6 (Continued)

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TOTAL PRODUCT CALCULATIONS (GT2200 SH)												
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-Ft2-F)			Solar Heat Gain Coefficient (SHGC) Grids (None / <1 / >=1)				Visible Transmittance (VT) Grids (None / <1 / >=1)		Condensation Resistance (CR)		
11	XL Edge: E270 / arg / clr (6mm/6mm) 15/16" IG											
	0.224	0.438	0.224					ARG95	0.035(#2)	CL	SS-D	N
	U-Factor 0.39			SHGC(N) 0.27				VT(N) 0.49		CR 49		
12	XL Edge: E366 / arg / clr (6mm/6mm) 15/16" IG											
	0.224	0.438	0.224					ARG95	0.020(#2)	CL	SS-D	N
	U-Factor 0.38			SHGC(N) 0.21				VT(N) 0.46		CR 50		
13	XL Edge: clr / arg / E180 (6mm/6mm) 15/16" IG											
	0.224	0.438	0.223					ARG95	0.068(#3)	CL	SS-D	N
	U-Factor 0.40			SHGC(N) 0.48				VT(N) 0.56		CR 49		
14	XL Edge: E340 / arg / clr (6mm/6mm) 15/16" IG											
	0.224	0.438	0.224					ARG95	0.028(#2)	CL	SS-D	N
	U-Factor 0.38			SHGC(N) 0.14				VT(N) 0.28		CR 50		
15	XL Edge: E272 / arg / lami (6mm/DS 030PVB DS) 15/16" IG											
	0.224	0.406	0.264					ARG95	0.042(#2)	CL	SS-D	N
	U-Factor 0.39			SHGC(N) 0.30				VT(N) 0.51		CR 49		
16	XL Edge: E366 / arg / lami (6mm/DS 030PVB DS) 15/16" IG											
	0.224	0.406	0.264					ARG95	0.020(#2)	CL	SS-D	N
	U-Factor 0.38			SHGC(N) 0.21				VT(N) 0.46		CR 49		
17	XL Edge: E272 / arg / i89 (6mm/6mm) 15/16" IG											
	0.224	0.438	0.223					ARG95	0.042(#2) / 0.149(#4)	CL	SS-D	N
	U-Factor 0.36			SHGC(N) 0.30				VT(N) 0.50		CR 44		
18	XL Edge: E366 / arg / i89 (6mm/6mm) 15/16" IG											
	0.224	0.438	0.223					ARG95	0.020(#2) / 0.149(#4)	CL	SS-D	N
	U-Factor 0.35			SHGC(N) 0.21				VT(N) 0.45		CR 44		
19	XL Edge: E366 / air / i89 (6mm/6mm) 15/16" IG											
	0.224	0.438	0.223					AIR	0.020(#2) / 0.149(#4)	CL	SS-D	N
	U-Factor 0.38			SHGC(N) 0.21				VT(N) 0.45		CR 41		
20	Chromatech: SB70 / arg / clr (6mm/6mm) 15/16" IG											
	0.223	0.438	0.223					ARG95	0.018(#2)	CL	TS-D	N
	U-Factor 0.38			SHGC(N) 0.21				VT(N) 0.47		CR 50		

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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	Chromatech: SolarGuardSN68/ARG95/CLR-LAMI (5MM/3MM 060PVB 3MM) 15/16" IG											
	0.182	0.438	0.294					ARG95	0.039(#2)	CL	TS-D	N
	U-Factor 0.38			SHGC(N) 0.28				VT(N) 0.50		CR 49		
22	Chromatech: SunGuardSNX6227/ARG95/CLR-LAMI (6MM/3MM 060PVB 3MM) 15/16" IG											
	0.221	0.375	0.294					ARG95	0.020(#2)	CL	TS-D	N
	U-Factor 0.39			SHGC(N) 0.20				VT(N) 0.45		CR 49		
23	XL Edge: E270 / arg / clr (5mm/5mm) 15/16" IG											
	0.185	0.563	0.185					ARG95	0.035(#2)	CL	SS-D	N
	U-Factor 0.39			SHGC(N) 0.27				VT(N) 0.50		CR 49		