

TEST REPORT FOR GRAHAM ARCHITECTURAL PRODUCTS CORP.

Report No: S1296.01-116-45 R0

Date: 12/20/24

SECTION 6
SIMULATION RESULTS

TOTAL PRODUCT CALCULATIONS (GX6800 Awning)												
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	XL-Edge: CLR/ARG95/E180ESC (6MM/6MM) 1" IG											
	0.224	0.500	0.224					ARG95	0.080(#3)	CL	SS-D	N
	U-Factor 0.37			SHGC(N) 0.43				VT(N) 0.49		CR 54		
2	XL-Edge: E270/ARG95/CLR (6MM/6MM) 1" IG											
	0.224	0.500	0.224					ARG95	0.035(#2)	CL	SS-D	N
	U-Factor 0.36			SHGC(N) 0.24				VT(N) 0.43		CR 54		
3	XL-Edge: E272/ARG95/CLR (6MM/6MM) 1" IG											
	0.224	0.500	0.224					ARG95	0.042(#2)	CL	SS-D	N
	U-Factor 0.36			SHGC(N) 0.27				VT(N) 0.44		CR 54		
	XL-Edge: E272/ARG95/CLR (6MM/6MM) 1" IG											
	0.224	0.500	0.224					ARG95	0.042(#2)	CL	SS-D	N
	U-Factor 0.36			SHGC(N) 0.27				VT(N) 0.44		CR 54		
4	XL-Edge: E366/ARG95/CLR (6MM/6MM) 1" IG											
	0.224	0.500	0.224					ARG95	0.020(#2)	CL	SS-D	N
	U-Factor 0.36			SHGC(N) 0.19				VT(N) 0.40		CR 55		
5	XL-Edge: E272/ARG95/i89 (6MM/6MM) 1" IG											
	0.224	0.500	0.224					ARG95	0.042(#2) / 0.149(#4)	CL	SS-D	N
	U-Factor 0.33			SHGC(N) 0.26				VT(N) 0.43		CR 43		
6	XL-Edge: E272/ARG95/CLR (5MM/3MM 060 3MM) 1" IG											
	0.185	0.500	0.304					ARG95	0.042(#2)	CL	SS-D	N
	U-Factor 0.36			SHGC(N) 0.27				VT(N) 0.44		CR 56		
7	Chromatech: SN68/ARG90/CLR (6MM/6MM) 1" IG											
	0.221	0.500	0.221					ARG90	0.039(#2)	CL	SS-D	N
	U-Factor 0.38			SHGC(N) 0.25				VT(N) 0.43		CR 51		
8	Chromatech: SNX6227/ARG90/CLR (6MM/6MM) 1" IG											
	0.221	0.500	0.221					ARG90	0.020(#2)	CL	SS-D	N
	U-Factor 0.37			SHGC(N) 0.18				VT(N) 0.39		CR 52		
9	Chromatech: SB60/ARG90/CLR (6MM/6MM) 1" IG											
	0.223	0.500	0.223					ARG90	0.035(#2)	CL	SS-D	N
	U-Factor 0.38			SHGC(N) 0.26				VT(N) 0.45		CR 51		

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SECTION 6 (Continued)
SIMULATION RESULTS

TOTAL PRODUCT CALCULATIONS (GX6800 Awning)												
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)		
10	Chromatech: SB70/ARG90/CLR (6MM/6MM) 1" IG											
	0.223	0.500	0.223					ARG90	0.018(#2)	CL	SS-D	N
	U-Factor 0.37			SHGC(N) 0.18				VT(N) 0.41		CR 52		
11	Chromatech Ultra: SNX6227/ARG90/CLR (6MM/6MM) 1" IG											
	0.221	0.500	0.221					ARG90	0.020(#2)	CL	TS-D	N
	U-Factor 0.36			SHGC(N) 0.18				VT(N) 0.39		CR 54		
12	Chromatech Ultra: SNX5123/ARG90/CLR (6MM/6MM) 1" IG											
	0.221	0.500	0.221					ARG90	0.021(#2)	CL	TS-D	N
	U-Factor 0.36			SHGC(N) 0.16				VT(N) 0.32		CR 54		
13	Chromatech Ultra: 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 0.33			SHGC(N) 0.17				VT(N) 0.38		CR 45		
14	SP16: SB70/ARG90/CLR (6MM/6MM) 1" IG											
	0.223	0.500	0.223					ARG90	0.018(#2)	CL	TP-S	N
	U-Factor 0.35			SHGC(N) 0.18				VT(N) 0.41		CR 56		
15	XL-Edge: CLR/ARG95/E180/ARG95/E180 (5MM/5MM/5MM) 1-1/2" IG											
	0.185	0.469	0.185	0.469	0.185			ARG95	0.068(#3) / 0.068(#5)	CL	SS-D	N
	U-Factor 0.27			SHGC(N) 0.37				VT(N) 0.43		CR 66		
16	XL-Edge: E272/ARG95/CLR/ARG95/CLR (5MM/5MM/5MM) 1-1/2" IG											
	0.185	0.469	0.185	0.469	0.185			ARG95	0.042(#2)	CL	SS-D	N
	U-Factor 0.31			SHGC(N) 0.25				VT(N) 0.41		CR 65		
17	Chromatech Ultra: SNX6227/ARG90/CLR/ARG90/CLR (5MM/5MM/5MM) 1-1/2" IG											
	0.182	0.469	0.182	0.469	0.182			ARG90	0.020(#2)	CL	TS-D	N
	U-Factor 0.30			SHGC(N) 0.17				VT(N) 0.36		CR 66		
18	XL-Edge: 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 0.27			SHGC(N) 0.22				VT(N) 0.39		CR 16		