

TEST REPORT FOR GRAHAM ARCHITECTURAL PRODUCTS CORP.

Report No: M6385.01-116-45 R0

Date: 07/28/21

SECTION 6

SIMULATION RESULTS

TOTAL PRODUCT CALCULATIONS (GT6700 Inswing Casement)												
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: LoE272/ARG/CLR (6MM/6MM) 1" IG											
	0.224	0.500	0.224					ARG90	0.042(#2)	CL	SS-D	N
	U-Factor 0.42			SHGC(N) 0.28				VT(N) 0.46		CR 51		
2	XL Edge: LoE272/AIR/CLR (6MM/6MM) 1" IG											
	0.224	0.500	0.224					AIR	0.042(#2)	CL	SS-D	N
	U-Factor 0.45			SHGC(N) 0.28				VT(N) 0.46		CR 50		
3	Endur: LoE272/ARG/CLR (6MM/6MM) 1" IG											
	0.224	0.500	0.224					ARG90	0.042(#2)	CL	SS-D	N
	U-Factor 0.42			SHGC(N) 0.28				VT(N) 0.46		CR 51		
4	XL Edge: LoE366/ARG/CLR (6MM/6MM) 1" IG											
	0.224	0.500	0.224					ARG90	0.020(#2)	CL	SS-D	N
	U-Factor 0.42			SHGC(N) 0.20				VT(N) 0.41		CR 51		
5	Endur: LoE366/ARG/CLR (6MM/6MM) 1" IG											
	0.224	0.500	0.224					ARG90	0.020(#2)	CL	SS-D	N
	U-Factor 0.42			SHGC(N) 0.20				VT(N) 0.41		CR 51		
6	XL Edge: CLR/ARG/LoE180 (6MM/6MM) 1" IG											
	0.224	0.500	0.224					ARG90	0.080(#3)	CL	SS-D	N
	U-Factor 0.43			SHGC(N) 0.45				VT(N) 0.50		CR 50		
7	XL Edge: LoE340/ARG/CLR (6MM/6MM) 1" IG											
	0.224	0.500	0.224					ARG90	0.028(#2)	CL	SS-D	N
	U-Factor 0.42			SHGC(N) 0.14				VT(N) 0.25		CR 51		
8	XL Edge: LoE272/ARG/CLR LAMI (6MM/3MM .030PVB 3MM) 1" IG											
	0.224	0.500	0.243					ARG90	0.042(#2)	CL	SS-D	N
	U-Factor 0.42			SHGC(N) 0.28				VT(N) 0.45		CR 50		
9	XL Edge: LoE366/ARG/CLR LAMI (6MM/3MM .030PVB 3MM) 1" IG											
	0.224	0.500	0.243					ARG90	0.020(#2)	CL	SS-D	N
	U-Factor 0.42			SHGC(N) 0.19				VT(N) 0.41		CR 50		
10	SN68/AIR/CLR (6MM/6MM) 1" IG: SN68/AIR/CLR (6MM/6MM) 1" IG											
	0.221	0.500	0.221					AIR	0.039(#2)	CL	SS-D	N
	U-Factor 0.47			SHGC(N) 0.26				VT(N) 0.44		CR 49		

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SECTION 6 (Continued)

SIMULATION RESULTS

TOTAL PRODUCT CALCULATIONS (GT6700 Inswing Casement)												
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	SN68/ARG/CLR (6MM/6MM) 1" IG: SN68/ARG/CLR (6MM/6MM) 1" IG											
	0.221	0.500	0.221					ARG90	0.039(#2)	CL	SS-D	N
	U-Factor 0.44			SHGC(N) 0.26				VT(N) 0.44		CR 49		
12	SNX6227ARG/CLR (6MM/6MM) 1" IG: SNX6227ARG/CLR (6MM/6MM) 1" IG											
	0.221	0.500	0.221					ARG90	0.020(#2)	CL	SS-D	N
	U-Factor 0.44			SHGC(N) 0.19				VT(N) 0.40		CR 49		
13	SNX5123/ARG/CLR (6MM/6MM) 1" IG: SNX5123/ARG/CLR (6MM/6MM) 1" IG											
	0.221	0.500	0.221					ARG90	0.021(#2)	CL	SS-D	N
	U-Factor 0.44			SHGC(N) 0.17				VT(N) 0.33		CR 49		
14	SB60/ARG/CLR (6MM/6MM) 1" IG: SB60/ARG/CLR (6MM/6MM) 1" IG											
	0.223	0.500	0.223					ARG90	0.035(#2)	CL	SS-D	N
	U-Factor 0.44			SHGC(N) 0.27				VT(N) 0.46		CR 49		
15	SB70/ARG/CLR (6MM/6MM) 1" IG: SB70/ARG/CLR (6MM/6MM) 1" IG											
	0.223	0.500	0.223					ARG90	0.018(#2)	CL	TS-D	N
	U-Factor 0.42			SHGC(N) 0.19				VT(N) 0.42		CR 51		
16	SB70/ARG/CLR (6MM/6MM) 1" IG: SB70/ARG/CLR (6MM/6MM) 1" IG											
	0.223	0.500	0.223					ARG90	0.018(#2)	CL	SS-D	N
	U-Factor 0.43			SHGC(N) 0.19				VT(N) 0.42		CR 49		
17	XL Edge: LoE272/ARG/i89 (6MM/6MM) 1" IG											
	0.224	0.500	0.223					ARG90	0.042(#2) / 0.149(#4)	CL	SS-D	N
	U-Factor 0.39			SHGC(N) 0.27				VT(N) 0.45		CR 45		
18	XL Edge: LoE366/ARG/i89 (6MM/6MM) 1" IG											
	0.224	0.500	0.223					ARG90	0.020(#2) / 0.149(#4)	CL	SS-D	N
	U-Factor 0.39			SHGC(N) 0.19				VT(N) 0.40		CR 46		
19	XL Edge: LoE366/AIR/i89 (6MM/6MM) 1" IG											
	0.224	0.500	0.223					AIR	0.020(#2) / 0.149(#4)	CL	SS-D	N
	U-Factor 0.41			SHGC(N) 0.19				VT(N) 0.40		CR 43		
20	SNX6227/ARG/IS20 (6MM/6MM) 1" IG: SNX6227/ARG/IS20 (6MM/6MM) 1" IG											
	0.221	0.500	0.221					ARG90	0.020(#2) / 0.198(#4)	CL	SS-D	N
	U-Factor 0.41			SHGC(N) 0.18				VT(N) 0.39		CR 43		