

TEST REPORT FOR EAGON WINDOWS & DOORS CO., LTD.

Report No: L0104.01-116-45 R0

Date: 10/19/20

SECTION 6

SIMULATION RESULTS

TOTAL PRODUCT CALCULATIONS (EWS 75 OW FIX)												
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	E366 / arg90 / i89 (6mm/6mm) - 25mm IG											
	0.224	0.500	0.223					ARG90	0.020(#2) / 0.149(#4)	CL	SS-D	N
	U-Factor 0.23			SHGC (N) 0.24				VT (N) 0.54		CR 50		
2	E270 / arg90 / i89 (6mm/6mm) - 25mm IG											
	0.224	0.500	0.223					ARG90	0.035(#2) / 0.149(#4)	CL	SS-D	N
	U-Factor 0.24			SHGC (N) 0.31				VT (N) 0.58		CR 49		
3	E180 / arg90 / i89 (6mm/6mm) - 25mm IG											
	0.223	0.500	0.223					ARG90	0.068(#2) / 0.149(#4)	CL	SS-D	N
	U-Factor 0.25			SHGC (N) 0.51				VT (N) 0.66		CR 48		
4	E366 / air / i89 (6mm/6mm) - 25mm IG											
	0.224	0.500	0.223					AIR	0.020(#2) / 0.149(#4)	CL	SS-D	N
	U-Factor 0.26			SHGC (N) 0.24				VT (N) 0.54		CR 46		
5	E270 / air / i89 (6mm/6mm) - 25mm IG											
	0.224	0.500	0.223					AIR	0.035(#2) / 0.149(#4)	CL	SS-D	N
	U-Factor 0.27			SHGC (N) 0.31				VT (N) 0.58		CR 45		
6	E366 / arg90 / clr (6mm/6mm) - 25mm IG											
	0.224	0.500	0.224					ARG90	0.020(#2)	CL	SS-D	N
	U-Factor 0.28			SHGC (N) 0.24				VT (N) 0.55		CR 61		
7	E272 / arg90 / clr (6mm/6mm) - 25mm IG											
	0.224	0.500	0.224					ARG90	0.042(#2)	CL	SS-D	N
	U-Factor 0.28			SHGC (N) 0.35				VT (N) 0.61		CR 61		
8	SB60 / arg90 / clr (6mm/6mm) - 25mm IG											
	0.223	0.500	0.223					ARG90	0.035(#2)	CL	TS-D	N
	U-Factor 0.29			SHGC (N) 0.34				VT (N) 0.62		CR 59		
9	SB70 / arg90 / clr (6mm/6mm) - 25mm IG											
	0.223	0.500	0.223					ARG90	0.018(#2)	CL	TS-D	N
	U-Factor 0.28			SHGC (N) 0.24				VT (N) 0.56		CR 59		
10	E272 / air / clr / air / E180 (6mm/6mm/6mm) - 44mm IG											
	0.224	0.500	0.224	0.500	0.223			AIR	0.042(#2) / 0.068(#5)	CL	SS-D	N
	U-Factor 0.20			SHGC (N) 0.31				VT (N) 0.53		CR 71		

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SECTION 6 (Continued)

SIMULATION RESULTS

TOTAL PRODUCT CALCULATIONS (EWS 75 OW FIX)												
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	E366 / arg90 / clr / arg90 / i89 (6mm/6mm/6mm) - 44mm IG											
	0.224	0.500	0.224	0.500	0.223			ARG90	0.020(#2) / 0.149(#6)	CL	SS-D	N
	U-Factor 0.19			SHGC (N) 0.22				VT (N) 0.48		CR 59		
12	SNX 62/27 / arg90 / clr (6mm/6mm) - 25mm IG											
	0.221	0.500	0.221					ARG90	0.020(#2)	CL	ZF-S	N
	U-Factor 0.27			SHGC (N) 0.23				VT (N) 0.54		CR 62		
13	SNX 62/27 / air / clr (6mm/6mm) - 25mm IG											
	0.221	0.500	0.221					AIR	0.020(#2)	CL	ZF-S	N
	U-Factor 0.31			SHGC (N) 0.24				VT (N) 0.54		CR 59		
14	SN68 / arg90 / clr (6mm/6mm) - 25mm IG											
	0.221	0.500	0.221					ARG90	0.039(#2)	CL	ZF-S	N
	U-Factor 0.28			SHGC (N) 0.33				VT (N) 0.59		CR 62		
15	SNX 62/27 / arg90 / IS-20 (6mm/6mm) - 25mm IG											
	0.221	0.500	0.221					ARG90	0.020(#2) / 0.198(#4)	CL	ZF-S	N
	U-Factor 0.23			SHGC (N) 0.23				VT (N) 0.52		CR 52		
16	SN68 / arg90 / IS-20 (6mm/6mm) - 25mm IG											
	0.221	0.500	0.221					ARG90	0.039(#2) / 0.198(#4)	CL	ZF-S	N
	U-Factor 0.24			SHGC (N) 0.32				VT (N) 0.58		CR 51		
17	SNX 51/23 / air / clr (6mm/6mm) - 25mm IG											
	0.221	0.500	0.221					AIR	0.021(#2)	CL	A1-D	N
	U-Factor 0.34			SHGC (N) 0.21				VT (N) 0.45		CR 50		
18	SNX 51/23 / arg90 / clr (6mm/6mm) - 25mm IG											
	0.221	0.500	0.221					ARG90	0.021(#2)	CL	A1-D	N
	U-Factor 0.30			SHGC (N) 0.20				VT (N) 0.45		CR 53		
19	SNX 51/23 / air / IS-20 (6mm/6mm) - 25mm IG											
	0.221	0.500	0.221					AIR	0.021(#2) / 0.198(#4)	CL	A1-D	N
	U-Factor 0.29			SHGC (N) 0.20				VT (N) 0.43		CR 40		
20	SNX 51/23 / arg90 / IS-20 (6mm/6mm) - 25mm IG											
	0.221	0.500	0.221					ARG90	0.021(#2) / 0.198(#4)	CL	A1-D	N
	U-Factor 0.26			SHGC (N) 0.19				VT (N) 0.43		CR 43		