

ALUTECH SYSTEMS S.R.O. COMPUTER SIMULATION REPORT

SCOPE OF WORK

SL160 SLIDING DOORS - CUSTOM COMPUTER SIMULATIONS TO DETERMINE ESTIMATED PRODUCT/ELEVATION U-FACTOR

REPORT NUMBER

M3034.02-116-45 R0

TEST DATE

09/21/22

ISSUE DATE

9/22/2022

REVISION DATE

11/01/22

RECORD RETENTION END DATE

09/21/26

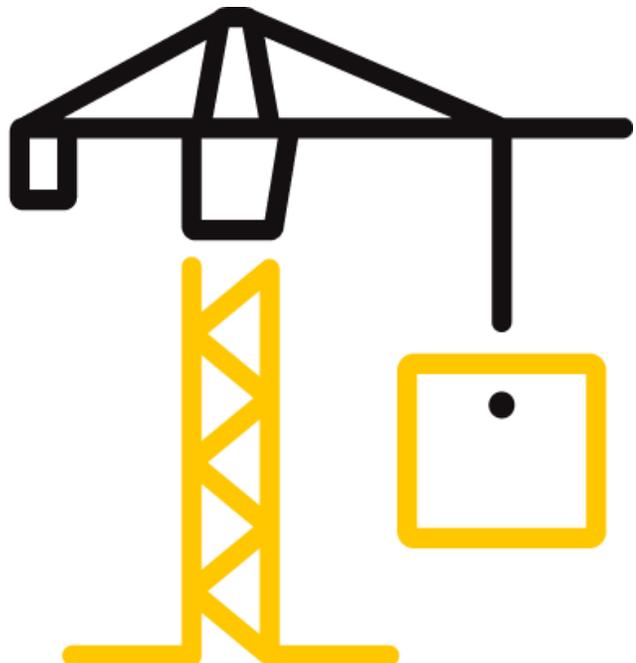
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DOCUMENT CONTROL NUMBER

RT-R-AMER-Test-3751 (01/13/22)

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TEST REPORT FOR ALUTECH SYSTEMS S.R.O.

Report No.: M3034.02-116-45 R0

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SECTION 6

SIMULATION RESULTS

U-FACTOR CALCULATIONS (7 Cross Section Product)	
Elevation Description	SL160 Sliding Door
Height:	107.000
Width:	104.750
Exterior Width:	52.375
Interior Width:	52.375
Area:	77.835

	THERM Values			Calculated Data				
	Cross Section	U-Factor	Height	Width	Area	U*A	SHGC*A	VT*A
Frame	Exterior Head	0.558	6.358	49.570	2.189	1.221	0.069	0.000
	Interior Head	0.550	6.358	49.570	2.189	1.204	0.068	0.000
	Exterior Sill	0.546	5.610	49.570	1.931	1.054	0.060	0.000
	Interior Sill	0.510	5.610	49.570	1.931	0.986	0.056	0.000
	Exterior Jamb	0.569	5.610	101.016	3.936	2.241	0.127	0.000
	Interior Jamb	0.513	5.610	101.016	3.936	2.017	0.115	0.000
	Vert. Mullion	1.128	4.811	95.031	3.175	3.583	0.204	0.000
Edge	Exterior Head	0.295	2.500	43.109	0.748	0.221	0.250	0.501
	Interior Head	0.290	2.500	43.109	0.748	0.217	0.250	0.501
	Exterior Sill	0.296	2.500	43.109	0.748	0.222	0.250	0.501
	Interior Sill	0.288	2.500	43.109	0.748	0.215	0.250	0.501
	Exterior Jamb	0.294	2.500	92.531	1.606	0.473	0.536	1.076
	Interior Jamb	0.283	2.500	92.531	1.606	0.454	0.536	1.076
	Vert. Mullion	0.299	5.000	90.031	3.126	0.934	1.043	2.094
Glass	COG - GL1	0.234	90.031	78.718	49.216	11.527	16.416	32.973
	SHGC - GL1	0.334						
	VT - GL1	0.670						

Sums:	77.835	26.567	20.228	39.225
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Total Product Calculations	
U-Factor:	0.341
SHGC:	0.260
VT:	0.504