

ALUTECH SYSTEMS S.R.O. COMPUTER SIMULATION REPORT

SCOPE OF WORK

W72 TILT & TURN WINDOW - CUSTOM COMPUTER SIMULATIONS TO DETERMINE ESTIMATED PRODUCT/ELEVATION U-FACTOR

REPORT NUMBER

M3032.02-116-45 R0

TEST DATE

09/21/22

ISSUE DATE

9/22/2022

REVISED DATE

11/01/22

RECORD RETENTION END DATE

09/21/26

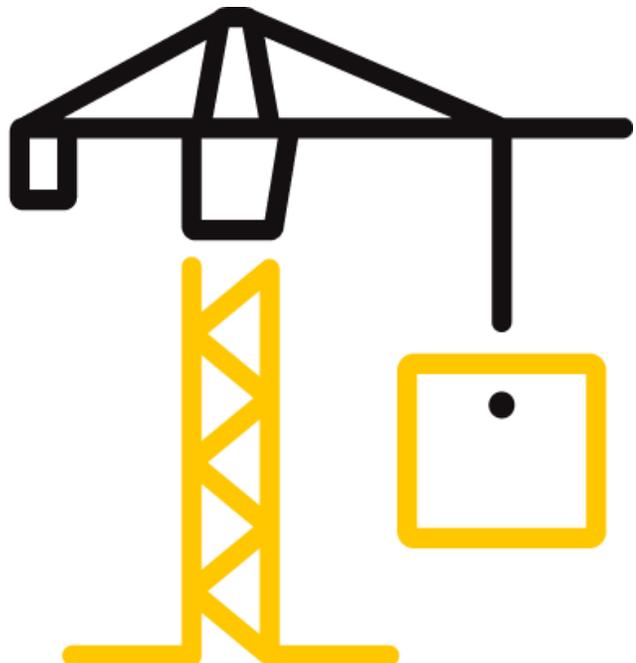
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DOCUMENT CONTROL NUMBER

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

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TEST REPORT FOR ALUTECH SYSTEMS S.R.O.

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SECTION 6

SIMULATION RESULTS

U-FACTOR CALCULATIONS (4 Cross Section Product)	
Elevation Description	Lower Right Operable
Height:	71.974
Width:	25.390
Area:	12.690

	THERM Values			Calculated Data				
	Cross Section	U-Factor	Height	Width	Area	U*A	SHGC*A	VT*A
Frame	Head	0.378	2.967	20.470	0.422	0.159	0.009	0.000
	Sill	0.355	5.482	20.470	0.779	0.277	0.016	0.000
	Left Jamb	0.372	2.967	67.750	1.396	0.519	0.029	0.000
	Right Jamb	0.402	6.872	67.750	3.233	1.298	0.074	0.000
Edge	Head	0.277	2.500	13.051	0.227	0.063	0.076	0.152
	Sill	0.278	2.500	13.051	0.227	0.063	0.076	0.152
	Left Jamb	0.277	2.500	61.025	1.059	0.293	0.353	0.710
	Right Jamb	0.279	2.500	61.025	1.059	0.296	0.353	0.710
Glass	COG - GL1	0.234	58.525	10.551	4.288	1.004	1.430	2.873
	SHGC - GL1	0.334						
	VT - GL1	0.670						

Sums:	12.690	3.972	2.416	4.596
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Total Product Calculations	
U-Factor:	0.313
SHGC:	0.190
VT:	0.362