

ENVELOPE COMPLIANCE SUMMARY

2018 WSEC Compliance Forms for Commercial Buildings including Group R2, R3 & R4 over 3 stories and all R1

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Project & Applicant Information	Project Title	WALGP0402_2403-278_WA_Puyallup - 2018 WSEC - 2018 WSEC		For Building Department Use: B-21-0905	Date: Mar 17, 2022
	Project Address	310 31st AVE SE Puyallup, WA 98374			
	Applicant Name	Christian LaPointe			
	Applicant Phone	614-634-7481			
	Applicant Email	chris.lapointe@wdpartners.com			
For questions about this report, contact WSEC Commercial Technical Support at 360-539-5300 or via email at com.techsupport@waenergycodes.com					

General Occupancy	All Commercial	General Building Use Type	Retail, General Sales	Building Cond. Floor Area	200,364
Project Scope	Building Addition Alteration	Space Conditioning Categories	Fully Conditioned	Project Cond. Floor Area	3,232
				Floors Above Grade	0
				Compliance Method	Compliance Method 1 - General
Envelope Project Description					

Envelope Compliance Scope and Method	Scope	Space Conditioning Category	Compliance Method	WWR/SRR per Category	UA Calculation Adjustment	Fenestration Alternates	Compliance Verification
	Building Addition	Fully Conditioned	Prescriptive	0.97% / 0%	None selected	No alternates selected	COMPLIES

Air Barrier Testing	Air barrier testing not included	Air Barrier Comments	Building consists of painted fully grouted CMU walls
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Scope & Space Conditioning	BUILDING ADDITION - FULLY CONDITIONED				Compliance Verification	COMPLIES
Window-to-wall Ratio	0.97%	Skylight-to-roof-ratio	0%	Vertical Fenestration Alternate	No alternates selected	

Opaque Envelope Assemblies								
Roof/Ceiling	Location in Documents	Assembly ID	Assembly Location	Cavity	Insulation R-Values		U-Factor	Net Area (SF)
					Continuous (% penetration)	2nd Layer (MB Roof)		
Insulation entirely above deck	OP1 Detail 2	946	Exterior		R-38 (< 0.04%)		U-0.026	3,169
	U-Factor Source: Computed			U-Factor Source Description: Comcheck				
	Is this assembly exterior or interior?: Exterior							
Walls	Location in Documents	Assembly ID	Assembly Location	Cavity	Continuous (% penetration)	Insulated Wall Furring	U-Factor	Net Area (SF)
Mass (concrete masonry) - Commercial	OP1 Detail 2	North Wall	Yes		(< 0.04%)		U-0.104	776
	Is CMU wall eligible for wall insulation exception?: Yes			Percentage of CMU cores filled with insulation: 50% or more				
	Space type enclosed by CMU walls: Warehouse (storage and retail)			Framing Spacing:				
	U-Factor Source Description:							
Mass (concrete masonry) - Commercial	OP1 Detail 2	South Wall	Yes		(< 0.04%)		U-0.104	1,128
	Is CMU wall eligible for wall insulation exception?: Yes			Percentage of CMU cores filled with insulation: 50% or more				
	Space type enclosed by CMU walls: Warehouse (storage and retail)			Framing Spacing:				
	U-Factor Source Description:							
Mass (concrete masonry) - Commercial	OP1 Detail 2	West Wall	Yes		(< 0.04%)		U-0.104	543
	Is CMU wall eligible for wall insulation exception?: Yes			Percentage of CMU cores filled with insulation: 50% or more				
	Space type enclosed by CMU walls: Warehouse (storage and retail)			Framing Spacing:				
	U-Factor Source Description:							
Mass (concrete masonry) - Commercial	OP1 Detail 2	East Wall	Yes		(< 0.04%)		U-0.104	1,743
	Is CMU wall eligible for wall insulation exception?: Yes			Percentage of CMU cores filled with insulation: 50% or more				

	Space type enclosed by CMU walls: Warehouse (storage and retail)			Framing Spacing:				
	U-Factor Source Description:							
Slab-on-grade Floors	Location in Documents	Assembly ID	Assembly Location	Slab Edge	Under Slab		F-Factor	Perimeter Length (SF)
Unheated slab	Sheet S1	946	At grade level	R-10	R-10		F-0.54	184
	Slab Insulation Method: 2 ft vertical (from top of slab downward)			F-Factor Source: WSEC Appendix A				
	F-Factor Source Description:							
Fenestration & Opaque Door Assemblies								
				Insulation R-Values				
Glazed Doors	Location in Documents	Assembly ID	Assembly Location	Orientation	Shading (PF)	Fenestration SHGC	Fenestration U-Factor	Rough Opening (SF)
Sliding glass door	Sheet OP1 Detail 2	946A	Exterior	North Facing	PF < 0.2	SHGC-0.230	U-0.400	41
	U-Factor & SHGC Source: NFRC Rating			U-Factor Source Description:				
	Is this assembly exterior or interior?: Exterior							

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