

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	PSE Operational Training Center - 2018 WSEC	For Building Department Use: PRCNC20240216 Date: Oct 25, 2023
	Project Address	325 Todd Road NW Puyallup, WA 98371	
	Applicant Name	Matt Reeves	
	Applicant Phone	360-734-4744	
	Applicant Email	matt@zervasgroup.com	
For questions about this report, contact WSEC Commercial Technical Support at 360-539-5300 or via email at com.techsupport@waenergycodes.com			

Full-Sized legible color report is required to be provided by the Permittee on site for all Inspections



General Occupancy	All Commercial	General Building Use Type(s)	Education, Vocational	Building Cond. Floor Area	33,837
Project Scope	New Building	Space Conditioning Categories	Fully Conditioned	Project Cond. Floor Area	33,837
				Floors Above Grade	1
				Compliance Method	Compliance Method 1 - General
Envelope Project Description	THE PROPOSED PROJECT IS FOR A NEW OPERATIONAL TRAINING CENTER. THE OTC BUILDING WILL BE USED AS A VOCATIONAL SCHOOL FOR CONSTRUCTION TRADES. IT WILL CONSIST OF OFFICE/COMMERCIAL/INSTRUCTIONAL SPACES.				

Envelope Compliance Scope and Method	Scope	Space Conditioning Category	Compliance Method	WWR/SRR per Category	UA Calculation Adjustment	Fenestration Alternates	Compliance Verification
	New Building	Fully Conditioned	Prescriptive	14.30% / 0%	None selected	No alternates selected	COMPLIES

Air Barrier Testing	Air barrier testing included in project scope	Air Barrier Comments
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Project Title	PSE Operational Training Center - 2018 WSEC				Date	Oct 25, 2023
Scope & Space Conditioning	NEW BUILDING - FULLY CONDITIONED				Compliance Verification	COMPLIES
Window-to-wall Ratio	14.30%	Skylight-to-roof-ratio	0%	Vertical Fenestration Alternate	No alternates selected	

Opaque Envelope Assemblies								
Roof/Ceiling	Location in Documents	Assembly ID	Assembly Location	Insulation R-Values			U-Factor	Net Area (SF)
				Cavity	Continuous (% penetration)	2nd Layer (MB Roof)		
Insulation entirely above deck	G0.04, Roof Type #1	RF-1	Exterior		R-38 (< 0.04%)			33,114
U-Factor Source:			U-Factor Source Description:					
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)
Steel-framed - Commercial	G0.04, Exterior Wall Type #1	WL-1	Exterior	R-21	R-10 (< 0.04%)			9,376
U-Factor Source:			U-Factor Source Description:					
Framing Depth:			Framing Spacing:					
Is this assembly exterior or interior?: Exterior								
Steel-framed - Commercial	G0.04, Exterior Wall Type #2	WL-2	Exterior	R-23	R-10 (< 0.04%)			3,856
U-Factor Source:			U-Factor Source Description:					
Framing Depth:			Framing Spacing:					
Is this assembly exterior or interior?: Exterior								
Slab-on-grade Floors	Location in Documents	Assembly ID	Assembly Location	Slab Edge	Under Slab		F-Factor	Perimeter Length (SF)
Unheated slab	G0.04, Floor Type #1 and #2	FL-1 and FL-2	At grade level	R-10				808
Slab Insulation Method: 4 ft horizontal (no slab edge insulation)				F-Factor Source:				
F-Factor Source Description:								

Fenestration & Opaque Door Assemblies									
				Insulation R-Values					
Opaque Doors	Location in Documents	Assembly ID	Assembly Location	Door Insulation			U-Factor	Rough Opening (SF)	
Swinging	A3.03, Door Types	Door Types A and C	Exterior				U-0.37	343	
	What percentage of this opaque door is glazing?: 50% or less			U-Factor Source:					
	U-Factor Source Description:			Is this assembly exterior or interior?: Exterior					
	Is this a public entrance door?:								
Garage, Sectional	A3.03, Door Types	Door Type SD	Exterior				U-0.31	804	
	What percentage of this opaque door is glazing?: 50% or less			U-Factor Source:					
	U-Factor Source Description:			Is this assembly exterior or interior?: Exterior					
Vertical Fenestration	Location in Documents	Assembly ID	Assembly Location	Orientation	Shading (PF)	Fenestration SHGC	Fenestration U-Factor	Rough Opening (SF)	
Fixed - Class AW or site built	A3.04 - STOREFRONT WINDOW TYPES	WINDOW TYPES A AND B (STOREFRONT)	Exterior	South/East/West Facing	PF < 0.2	SHGC-0.38	U-0.34	201	
	U-Factor & SHGC Source:			U-Factor Source Description:					
	Is this assembly exterior or interior?: Exterior								
All other fenestration types	A3.04 - ALUMINUM WINDOW TYPES	ALUMINUM WINDOW TYPES	Exterior	South/East/West Facing	PF < 0.2	SHGC-0.38	U-0.28	1,496	
	U-Factor & SHGC Source:			U-Factor Source Description:					
	Is this assembly exterior or interior?: Exterior								
All other fenestration types	A3.04 - ALUMINUM WINDOW TYPES	ALUMINUM WINDOW TYPES	Exterior	North Facing	PF < 0.2	SHGC-0.51	U-0.28	618	
	U-Factor & SHGC Source:			U-Factor Source Description:					
	Is this assembly exterior or interior?: Exterior								
Glazed Doors	Location in Documents	Assembly ID	Assembly Location	Orientation	Shading (PF)	Fenestration SHGC	Fenestration U-Factor	Rough Opening (SF)	
Swinging entrance door	A3.03, Door Types	Door Type BB	Exterior	South/East/West Facing	PF < 0.2	SHGC-0.38	U-0.60	42	
	U-Factor & SHGC Source:			U-Factor Source Description:					
	Is this assembly exterior or interior?: Exterior			Is this a public entrance door?: Yes					
	Door enclosed within a vestibule?: Yes								
Swinging entrance door	A3.03, Door Types	Door Type BB	Exterior	South/East/West Facing	PF < 0.2	SHGC-0.38	U-0.36	42	
	U-Factor & SHGC Source:			U-Factor Source Description:					
	Is this assembly exterior or interior?: Exterior			Is this a public entrance door?: No					