

MECHANICAL 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 - Control House - 2018 WSEC		For Building Department Use:	PRCNC20240216	Date:	Nov 21, 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	Education, Vocational		Building Cond. Floor Area	332
General Project Types	New Building	New Building or Addition Mechanical Scope	Central Plant Systems	Alteration Mechanical Scope		Project Cond. Floor Area	332
						Floors Above Grade	1
Mechanical Project Description	PROVIDE VRF SYSTEM COUPLED WITH DOAS TO SERVE OCCUPIED BUILDING SPACES AND GENERAL EXHAUST.						

Mechanical Compliance Scope and Method	Project Type	Mechanical Scope	Economizer Exception(s) Applied?	DOAS Ventilation Provided?	Higher Equipment Efficiency Option Applied?	Equipment Efficiency Compliance Verification
	Building Addition	Central Plant Systems	Yes	NA	NA	COMPLIES
Additional Efficiency Credits Included (AEC)						
Does building include occupancy classifications requiring DOAS?	Yes	Does project include DOAS equipment?				{{mec_doas_equipment}}
Based on project scope do TSPR requirements apply?	No	Do all systems comply with Appendix D standard reference design or qualify for an exception to TSPR?				No

Scope & Space Conditioning	NEW CONSTRUCTION - CENTRAL PLANT SYSTEMS	Compliance Verification	COMPLIES
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VRF Multi-Split Systems Category - Heat pump outdoor unit, applied (water or ground loop, groundwater)

Cooling Equipment Efficiency Information											
System ID	Cooling System Type	Specific Type	Cooling Capacity (Btu/h)	AEC Efficiency Multiplier	Econo Exception Multiplier (FL & PL)	Combined Efficiency Multiplier (AEC & Econo)	Proposed Cooling Efficiency	CE Units	Proposed Part Load Efficiency	PL Units	Efficiency Compliance Verification
CU-06-01	VRF air-cooled HP	Heat pump w/ heat recovery	96,000	1	1.0	1	14.1	EER	26.7	IEER	COMPLIES

Heating Equipment Efficiency Information										
System ID	Heating System Type	Specific Type	Heating Capacity (Btu/h)	Cooling Capacity (Btu/h) (Same as Cooling Table)	AEC Efficiency Multiplier	Proposed Heating Efficiency	HE Units	Efficiency Compliance Verification		
CU-06-01	VRF air-cooled HP, heating	Heat pump w/ heat recovery	55,400.0	96,000	1	3.3	COP	COMPLIES		

Equipment Details			
System ID	Location in Documents - Plan/Detail #	Quantity of Fan Coil Units in VRF System	
CU-06-01 {{detail-2499}}	M0.03 {{detail-2337}}	1 {{detail-2341}}	
Economizer Compliance Method: Applying air-side economizer exception		Air-side economizer exception applied?: Exp 1 - DOAS paired with cooling system (Note equip location limitations)	
WSEC Equipment Efficiency Reference Table: Table C403.3.2(1)C - VRF Air-to-Air & Applied Heat Pumps			