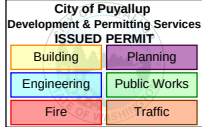


MECHANICAL COMPLIANCE SUMMARY

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	CITC South Puyallup Leasing T1 - 2018 WSEC		For Building Department Use:  	Date: Jul 04, 2023
	Project Address	WA			
	Applicant Name	Tricia Drake			
	Applicant Phone	206-249-6154			
	Applicant Email	tricia@hvacdoublcheck.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	Warehouse, General Storage Office, Other		Building Cond. Floor Area	19,738
General Project Types	Alteration	New Building or Addition Mechanical Scope		Alteration Mechanical Scope	Single Zone Systems & Equipment	Project Cond. Floor Area	19,738
						Floors Above Grade	1
						Compliance Method	Compliance Method 1 - General
Mechanical Project Description	(1) RTU for office tenant improvement with ERV, new unit heaters for semi-heated warehouse.						

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
	Alteration	Single Zone Systems & Equipment	Yes	Yes	NA	COMPLIES
Additional Efficiency Credits Included (AEC)						
Does building include occupancy classifications requiring DOAS?	Yes		Does project include DOAS equipment?			Yes
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	ALTERATION - SINGLE ZONE SYSTEMS & EQUIPMENT	Compliance Verification	COMPLIES
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Single Zone Air Systems Category - Air conditioner, unitary, thru-wall, SDHV

Air Systems Summary Information								
System/Equip ID	Quantity of Items	Supply Airflow Control	Ventilation Standard	Ventilation CFM (Total if Multiple Items)	Ventilation Air Source	Paired with DOAS	Ventilation energy recovery	Energy Recovery Efficiency (%)
RTU-1		Variable air volume	IMC Ventilation	300	Separate DOAS	ERV-1	Yes per C403.7.6 Energy Recovery	65

Air Systems & Equipment - Cooling											
System/ Equip ID	Cooling System/Equip Type	Specific Type	Cooling Capacity per item (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
RTU-1	Air conditioner, air cooled	Single package DX	60,000	1	0	1	17.1	SEER		IEER	COMPLIES

Air Systems & Equipment - Heating							
System /Equip ID	Heating System/Equip Type	Specific Type	Heating Capacity	HC Units	Proposed Heating Efficiency	HE Units	Efficiency Compliance Verification
RTU-1	Furnace	Warm air, gas fired (AFUE)	108,000	Btu/h	80.0	AFUE	COMPLIES

Air Systems & Equipment Details			
System/Equip ID	Area(s) Served	Location In Project Documents - Plan/Detail #	
RTU-1	Office	All	
	Heating Section/Auxiliary Heating Type: Furnace		Economizer Compliance Method: Air-side economizer provided
	WSEC Equip Efficiency Reference Table - Cooling: Table C403.3.2(1)A - Unitary Air Conditioners & Condensing Units		

	WSEC Equip Efficiency Reference Table - Heating: Table C403.3.2(4) Warm Air Furnaces	
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Single Zone Air Systems Category - Unit heaters & duct heaters

Air Systems Summary Information						
System/Equip ID	Quantity of Items		Ventilation Standard	Ventilation CFM (Total if Multiple Items)	Ventilation Air Source	Paired with DOAS
UH-1,UH-2	2		IMC Natural Ventilation			

Air Systems & Equipment - Heating							
System /Equip ID	Heating System/Equip Type	Specific Type	Heating Capacity	HC Units	Proposed Heating Efficiency	HE Units	Efficiency Compliance Verification
UH-1,UH-2	Unit heater	Warm air, gas fired	75,000	Btu/h	83.0	Ec	COMPLIES

Air Systems & Equipment Details			
System/Equip ID	Area(s) Served	Location In Project Documents - Plan/Detail #	
UH-1,UH-2	Warehouse	All	
	System/Equip ID for a single or multiple items?: Multiple items w/ identical heating & cooling capacity		
	WSEC Equip Efficiency Reference Table - Heating: Table C403.3.2(4) Warm Air Furnaces		

