

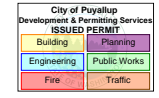
# MECHANICAL COMPLIANCE SUMMARY

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

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<b>Project &amp; Applicant Information</b>	<b>Project Title</b>	Taco Time - 2018 WSEC	For Building Department Use: <b>PRCNC20231287</b>	<b>Date: Apr 10, 2024</b>
	<b>Project Address</b>	East Main St Puyallup, WA 98372		
	<b>Applicant Name</b>	Steven Rainbow, PE		
	<b>Applicant Phone</b>	206-235-6002		
	<b>Applicant Email</b>	steven@rainbowconsulting-me.com		

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



For questions about this report, contact WSEC Commercial Technical Support at 360-539-5300 or via email at com.techsupport@waenergycodes.com

<b>General Occupancy</b>	All Commercial		<b>General Building Use Type</b>	Dining, Restaurant	<b>Building Cond. Floor Area</b>	2,621
<b>General Project Types</b>	New Building	<b>New Building or Addition Mechanical Scope</b>	Single Zone Systems & Equipment	<b>Alteration Mechanical Scope</b>	<b>Project Cond. Floor Area</b>	2,621
					<b>Floors Above Grade</b>	1
					<b>Compliance Method</b>	General Prescriptive
<b>Mechanical Project Description</b>	Two packaged rooftop units with economizers.					

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

<b>Scope &amp; Space Conditioning</b>	<b>NEW BUILDING - SINGLE ZONE SYSTEMS &amp; EQUIPMENT</b>	<b>Compliance Verification</b>	<b>COMPLIES</b>
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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-2		Constant volume	IMC Ventilation	655	Integral		Not provided, not required	
RTU-1		Staged volume	IMC Ventilation	800	Integral		Not provided, not required	

### 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-2	Air conditioner, air cooled	Single package DX	60,710	1	0	1	19.4	SEER		IEER	COMPLIES
RTU-1	Air conditioner, air cooled	Single package DX	71,010	1	0	1	12.8	EER	23.2	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-2	Furnace	Warm air, gas fired (AFUE)	80,000	Btu/h	80.0	AFUE	COMPLIES
RTU-1	Furnace	Warm air, gas fired (AFUE)	120,000	Btu/h	80.0	AFUE	COMPLIES

### Air Systems & Equipment Details

System/Equip ID	Area(s) Served	Location In Project Documents - Plan/Detail #
RTU-2	Kitchen/Office/RR	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		
RTU-1	Dining/Queuing	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		

**Single Zone Air Systems Category - Furnace, warm air**

**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 (%)
MUA-1		Variable air volume	Unoccupied, no ventilation requirement					

**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
MUA-1	Furnace	Warm air, gas fired (AFUE)	181,616	Btu/h	92.0	AFUE	COMPLIES

**Air Systems & Equipment Details**

System/Equip ID	Area(s) Served	Location In Project Documents - Plan/Detail #
MUA-1	Type I Hood Make-up Air	All
	WSEC Equip Efficiency Reference Table - Heating: Table C403.3.2(4) Warm Air Furnaces	