


MECHANICAL COMPLIANCE SUMMARY

2021 WSEC Compliance Forms for Commercial Buildings including Group R1, R2, and Group R3 & R4 over 3 stories

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Project & Applicant Information	Project Title	Planet Fitness - Puyallup - 2021 WSEC	For Building Department Use:		Date: Jun 2, 2025
	Project Address	4102 S Meridian Puyallup, WA 98373	PRCTI20250853		
	Applicant Name	Patrick McMore	<div style="border: 2px solid red; padding: 5px; color: red; font-weight: bold;"> Full-Sized legible color report must be on site and made available by the Permittee for all inspections. </div>		
	Applicant Phone	518-898-9590			
	Applicant Email	pmcmore@gpinet.com			

Mechanical Compliance Summary Scope - Compliance verification provided in this report is limited to code minimum efficiency requirements for mechanical equipment types defined in Tables C403.3.2(1) through C403.3.2(16) of the 2021 WSEC-C. This includes efficiency multipliers for economizer exceptions. Performance criteria for additional energy efficiency and load management measures ARE NOT included in this report. Additional documentation is required to demonstrate compliance with all other provisions of the energy code, including better than code efficiency criteria for Section C406. 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(s)	Entmt/Assembly, Fitness/Health Club	Building Cond. Floor Area	19,781	
General Project Types	Alteration	New Building or Addition Mechanical Scope	Alteration Mechanical Scope	Single Zone Systems & Equipment	Project Cond. Floor Area	19,781
					Floors Above Grade	1
Mechanical Project Description	Tenant renovation for a new fitness center (Planet Fitness)					
Overall Compliance Path	General Prescriptive					

Mechanical Compliance Scope and Method	Project Type	Mechanical Scope	Economizer Exception(s) Applied?	DOAS Ventilation Provided?	Equipment Efficiency Compliance Verification
	Alteration	Single Zone Systems & Equipment	Yes	Yes	COMPLIES
Additional Energy Efficiency Measures (AEM)	No mechanical additional energy efficiency measures included in project			Load Management Measures (LDM)	No mechanical load management measures included in project
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 - Dedicated outside air system (DOAS)

Air Systems Summary Information						
System/Equip ID	Paired with other Systems/Equip	Ventilation Airflow Control	Ventilation Standard	Ventilation CFM	Ventilation energy recovery	Energy Recovery Efficiency (%)
DOAS-1	Paired w/ multiple systems and/or equipment	Variable air volume	ASHRAE Standard 62.1	4400	Yes per C403.3.5.1 DOAS ER	71

Air Systems & Equipment - Cooling								
System/Equip ID	Cooling System/Equip Type	Specific Type	Cooling Capacity (Btu/h)	Econo Exception Multiplier (Full)	Required Cooling Efficiency (Code Min + Econo)	Proposed Cooling Efficiency	CE Units	Efficiency Compliance Verification
DOAS-1	DX-DOAS heat pump, air cooled	With energy recovery	232,900	0	5.2	5.2	ISMRE	COMPLIES

Air Systems & Equipment - Heating									
System /Equip ID	Heating System/Equip Type	Specific Type	Heating Output Capacity (Btu/h)	Heat Pump Heating Capacity (Btu/h)	Cooling Capacity (Btu/h) (Identical to Cooling Table)	Required Heat Pump Heating Efficiency	Proposed Heat Pump Heating Efficiency	HPH Units	Efficiency Compliance Verification
DOAS-1	DX-DOAS heat pump, air cooled, heating	With energy recovery	0	185,600	232,900	3.3	3.3	ISCOP	COMPLIES

Air Systems & Equipment Details			
System/Equip ID	Discrete Area(s) Served	Location In Project Documents - Plan/Detail #	System/Equip Compliance Path
DOAS-1	Functional/Stretching, Open Gym, Black Card	M101, M201	General Prescriptive
	WSEC Equip Efficiency Reference Table - Cooling: Table C403.3.2(12&13) DX-DOAS Units, With & Without ER		
	Economizer Compliance Method: Air-side economizer provided		WSEC Equip Efficiency Reference Table - Heating: Table C403.3.2(12&13) DX-DOAS Units, With & Without ER

Single Zone Air Systems Category - Heat pump, split & single package, SC, 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-4		Variable air volume	ASHRAE Standard 62.1		Separate DOAS	DOAS-1	Not provided, not required	

Air Systems & Equipment - Cooling

System/ Equip ID	Cooling System/Equip Type	Specific Type	Cooling Capacity per item (Btu/h)	Econo Exception Multipliers (Full/IPLV)		Required Cooling Efficiency (Code Min + Econo)	Required Part Load Efficiency (Code Min + Econo)	Proposed Cooling Efficiency	CE Units	Proposed Part Load Efficiency	PL Units	Efficiency Compliance Verification
RTU-4	Heat pump, air cooled	Single package	49,940	0	0	13.4	0	16	SEER2		IEER	COMPLIES

Air Systems & Equipment - Heating

System /Equip ID	Heating System/Equip Type	Specific Type	Heat Pump Heating Capacity per item (Btu/h)	Cooling Capacity per Item (Btu/h) (Identical to Cooling Table)	Required Heat Pump Heating Efficiency	Required Low OSA Temp Efficiency	Proposed Heat Pump Heating Efficiency	HPH Units	Proposed Low OSA Temp Efficiency	LTH Units	Efficiency Compliance Verification
RTU-4	Heat pump, air cooled, heating	Single package	44,340	49,940	6.7	0	7.2	HSPF2		COP	COMPLIES

Air Systems & Equipment Details

System/Equip ID	Discrete Area(s) Served	Location In Project Documents - Plan/Detail #	System/Equip Compliance Path
RTU-4	Lockers	M101, M201	
	WSEC Equip Efficiency Reference Table - Cooling: Table C403.3.2(2) Unitary Heat Pumps		
	Economizer Compliance Method: Air-side economizer provided		Heating Section/Auxiliary Heating Type: Electric resistance (or None)
	WSEC Equip Efficiency Reference Table - Heating: Table C403.3.2(2) - Unitary Heat Pumps		
	LTH Units: COP		
	Proposed Low OSA Temp Efficiency:		