



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	Goldfish Swim School - Tenant Improvement - 2018 WSEC	For Building Department Use:	Date: Dec 01, 2022
	Project Address	3500 South Meridian 900-30 Puyallup, WA 98373		
	Applicant Name	Kenneth Moreland		
	Applicant Phone	248-557-1062		
	Applicant Email	kmoreland@dorchenmartin.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	Entmt/Assembly, Natatorium	Building Cond. Floor Area	8,613
General Project Types	Alteration	New Building or Addition Mechanical Scope	Alteration Mechanical Scope	Project Cond. Floor Area	8,613
				Floors Above Grade	1
				Compliance Method	Compliance Method 1 - General
Mechanical Project Description	Renovation of the existing tenant space of approximately 8,500 sq.ft. into a new indoor swim school.				

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	No	NA	COMPLIES
Additional Efficiency Credits Included (AEC)						
Does building include occupancy classifications requiring DOAS?	No		Does project include DOAS equipment?			No
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?			Yes

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		Staged volume	IMC Ventilation	1,700	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-1	Air conditioner, air cooled	Single package DX	108,600	1	0	1	13.5	EER	18.6	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)	240,000	Btu/h	81.0		COMPLIES	

Air Systems & Equipment Details		
System/Equip ID	Area(s) Served	Location In Project Documents - Plan/Detail #
RTU-1	Service area, Viewing area, Changing Area, Offices	M.101, M302
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		

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