


MECHANICAL COMPLIANCE SUMMARY

2021 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	Centeris Switchgear 2 - 2021 WSEC - 2021 WSEC	For Building Department Use: PRCTI20241741	
	Project Address	1019 39th Ave SE Puyallup, WA 98374		
	Applicant Name	Robert Morgan		
	Applicant Phone	206-612-6488		
	Applicant Email	Robert.Morgan@stantec.com		
Date: Nov 08, 2024				
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	Utility/Equip, Other	Building Cond. Floor Area	736
General Project Types	New Building	New Building or Addition Mechanical Scope	Single Zone Systems & Equipment	Alteration Mechanical Scope	Project Cond. Floor Area	736
					Floors Above Grade	1
					Compliance Method	General Prescriptive
Mechanical Project Description						

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
	New Building	Single Zone Systems & Equipment	Yes	Yes	NA	COMPLIES
Additional Energy Efficiency (AEC) Measures Included	No mechanical additional energy efficiency measures included in project		Load Management (LDM) Measures Included		No mechanical load management measures included in project	
Additional Efficiency Credits Included (AEC)						
Does building include occupancy classifications requiring DOAS?	No	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	NEW BUILDING - 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	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 (%)
TF-1		Variable air volume	IMC Ventilation	200			Not provided, not required	

Air Systems & Equipment - Cooling								
System/Equip ID	Cooling System/Equip Type	Specific Type	Cooling Capacity per item (Btu/h)	Econo Full Load Multiplier (Full/IPLV)	Required Cooling Efficiency (Code Min & Econo)	Proposed Cooling Efficiency	CE Units	Efficiency Compliance Verification
TF-1	DX-DOAS, air cooled	Without energy recovery	2,400	0	4.0	4.0	ISMRE	COMPLIES

Air Systems & Equipment Details

System/Equip ID	Discrete Area(s) Served	Location In Project Documents - Plan/Detail #	System/Equip Compliance Path
TF-1	Switchgear Building 2	ALL	
	DOAS paired with heating & cooling systems/equip: Stand alone DOAS (not paired w/ other systems/equip)		
	Economizer Compliance Method: Economizer not required		WSEC Equip Efficiency Reference Table - Cooling: Table C403.3.2(12&13) DX-DOAS Units, With & Without ER