



MECHANICAL COMPLIANCE SUMMARY

FULL SIZED LEDGIBLE PLANS ARE REQUIRED TO BE PROVIDED BY THE PERMITTEE ON SITE FOR ALL INSPECTIONS

PRMH20231200

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	Absher Construction AC-9 Replacement - 2018 WSEC		For Building Department Use:	 	Date: Aug 14, 2023
	Project Address	1001 Shaw Road Server Room Puyallup, WA 98372				
	Applicant Name	Douglas Crawford				
	Applicant Phone	253-572-9484				
	Applicant Email	dougca@asei.ws				

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	Technology, Data Center		Building Cond. Floor Area	150
General Project Types	Alteration	New Building or Addition Mechanical Scope		Alteration Mechanical Scope	Single Zone Systems & Equipment	Project Cond. Floor Area	150
						Floors Above Grade	1
						Compliance Method	Compliance Method 1 - General
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
	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?			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 (%)
AC-9		Constant volume	Unoccupied, no ventilation requirement					

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
AC-9	Air conditioner, air cooled	Split system DX	36,000	1	1.15	1.15	18.8	SEER		IEER	COMPLIES

Air Systems & Equipment Details			
System/Equip ID	Area(s) Served	Location In Project Documents - Plan/Detail #	
AC-9	Server Room	All	
	Heating Section/Auxiliary Heating Type: Electric resistance (or None)		Economizer Compliance Method: Applying air-side economizer exception
	Air-side economizer exception applied: Exp 11a - Server/equip/telecom room		WSEC Equip Efficiency Reference Table - Cooling: Table C403.3.2(1)A - Unitary Air Conditioners & Condensing Units