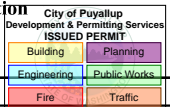


## MECHANICAL COMPLIANCE SUMMARY

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

THE APPROVED CONSTRUCTION PLANS,  
DOCUMENTS AND ALL ENGINEERING MUST  
BE POSTED ON THE JOB AT ALL  
INSPECTIONS IN A VISIBLE AND READILY  
ACCESSIBLE LOCATION.

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<b>Project &amp; Applicant Information</b> 	<b>City of Puyallup Building ACCEPTED</b> JMontgomery 11/30/2022 12:13:44 PM	<b>Project Title</b> CHC Puyallup Garage - 2018 WSEC	For Building Department Use: <b>FULL SIZED LEDGIBLE COLOR PLANS ARE REQUIRED TO BE PROVIDED BY THE PERMITEE ON SITE FOR INSPECTION</b>	<b>Date: Oct 31, 2022</b>
		<b>Project Address</b> 111 W. Main Puyallup, WA., WA 98371		
		<b>Applicant Name</b> David Moore		
		<b>Applicant Phone</b> 360-701-6219		
		<b>Applicant Email</b> dmm@treswest.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	Healthcare, Outpatient Therapy		Building Cond. Floor Area	11,134
General Project Types	Change in Space Conditioning (Semi-heated converted to Fully Conditioned)	New Building or Addition Mechanical Scope		Alteration Mechanical Scope	Central Plant Systems Single Zone Systems & Equipment	Project Cond. Floor Area	11,134
						Floors Above Grade	1
						Compliance Method	Not Selected
Mechanical Project Description	Provide completed heating, cooling, ventilation with VRF and DOAS equipment and domestic water, waste and vent systems for the facility						

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	Central Plant Systems	Yes	NA	NA	COMPLIES
	Change in Space Conditioning	Single Zone Systems & Equipment	No	Yes	NA	COMPLIES
Additional Efficiency Credits Included (AEC)	Dedicated outside air system (DOAS) option					
Does building include occupancy classifications requiring DOAS?	Yes		Does project include DOAS equipment?			Yes
Based on project scope do TSPR requirements apply?	Yes		Do all systems comply with Appendix D standard reference design or qualify for an exception to TSPR?			Yes

Scope & Space Conditioning	ALTERATION - CENTRAL PLANT SYSTEMS	Compliance Verification	COMPLIES
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## VRF Multi-Split Systems Category - Air conditioner outdoor unit

Cooling Equipment Efficiency Information											
System ID	Cooling System Type	Specific Type	Cooling Capacity (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
OUT-1	VRF air-cooled HP	Heat pump w/ heat recovery	336,000	1	1.0	1	10.4	EER	21.3	IEER	COMPLIES

Equipment Details			
System ID	Location in Documents - Plan/Detail #	Quantity of Fan Coil Units in VRF System	
OUT-1	M2.03	17	
	Economizer Compliance Method: Economizer not required		Air-side economizer exception applied?: None applied
	WSEC Equipment Efficiency Reference Table: Table C403.3.2(1)C - VRF Air-to-Air & Applied Heat Pumps		

Scope & Space Conditioning	CHANGE IN SPACE CONDITIONING - SINGLE ZONE SYSTEMS & EQUIPMENT	Compliance Verification	COMPLIES
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## Single Zone Air Systems Category - Fan coil unit, hydronic &amp; VRF

## Air Systems Summary Information

<div>City of Puyallup Development &amp; Permitting Services ISSUED PERMIT</div> <div> <div>Building</div> <div>Engineering</div> <div>Fire</div> </div> <div> <div>Planning</div> <div>Public Works</div> <div>Traffic</div> </div>	System/Equip ID	Quantity of Items	Supply Airflow Control	Ventilation Standard	Ventilation CFM (Total if Multiple Items)	Ventilation Air Source	Paired with DOAS
	FCU1-13		Variable air volume	ASHRAE Standard 62.1	1,270	Separate DOAS	ERV1-1
	FCU1-10		Variable air volume	ASHRAE Standard 62.1	280	Separate DOAS	ERV1-4, ERV1-5
	FCU1-1		Variable air volume	ASHRAE Standard 62.1	350	Separate DOAS	ERV1-2
	FCU1-5		Variable air volume	OSHA or WAC	235	Separate DOAS	ERV1-1
	FCU1-2		Variable air volume	ASHRAE Standard 62.1	300	Separate DOAS	ERV1-2
	FCU1-3		Variable air volume	ASHRAE Standard 62.1	910	Separate DOAS	ERV1-2
	FCU1-11		Variable air volume	ASHRAE Standard 62.1	880	Separate DOAS	ERV1-3
	FCU1-6		Variable air volume	OSHA or WAC	295	Separate DOAS	ERV1-1
	FCU1-14, FCU1-15, FCU1-16, FCU1-17	4	Variable air volume	ASHRAE Standard 62.1	580	Separate DOAS	ERV1-1
	FCU1-8A, FCU1-8B	2	Variable air volume	OSHA or WAC	1,820	Separate DOAS	ERV1-7
	FCU1-9		Variable air volume	ASHRAE Standard 62.1	910	Separate DOAS	ERV1-7
	FCU1-4		Variable air volume	ASHRAE Standard 62.1	910	Separate DOAS	ERV1-1
	FCU1-12		Variable air volume	ASHRAE Standard 62.1	1,300	Separate DOAS	ERV1-4, ERV1-5
	FCU1-7A, FCU1-7B	2	Variable air volume	OSHA or WAC	1,820	Separate DOAS	ERV1-6

## Air Systems &amp; Equipment - Heating

System /Equip ID	Heating System/Equip Type	Specific Type	Heat Pump Heating Capacity (Btu/h)	Cooling Capacity (Btu/h)	AEC Efficiency Multiplier	Proposed Heat Pump Heating Efficiency	HPH Units	Proposed Low OSA Temp Efficiency	LTH Units	Efficiency Compliance Verification
FCU1-10	Fan coils, hydronic & VRF, heating	VRF			1					COMPLIES
FCU1-14, FCU1-15, FCU1-16, FCU1-17	Fan coils, hydronic & VRF, heating	VRF			1					COMPLIES
FCU1-4	Fan coils, hydronic & VRF, heating	VRF			1					COMPLIES
FCU1-11	Fan coils, hydronic & VRF, heating	VRF			1					COMPLIES
FCU1-5	Fan coils, hydronic & VRF, heating	VRF			1					COMPLIES
FCU1-12	Fan coils, hydronic & VRF, heating	VRF			1					COMPLIES
FCU1-6	Fan coils, hydronic & VRF, heating	VRF			1					COMPLIES
FCU1-13	Fan coils, hydronic & VRF, heating	VRF			1					COMPLIES
FCU1-7A, FCU1-7B	Fan coils, hydronic & VRF, heating	VRF			1					COMPLIES
FCU1-1	Fan coils, hydronic & VRF, heating	VRF			1					COMPLIES
FCU1-8A, FCU1-8B	Fan coils, hydronic & VRF, heating	VRF			1					COMPLIES
FCU1-2	Fan coils, hydronic & VRF, heating	VRF			1					COMPLIES
FCU1-9	Fan coils, hydronic & VRF, heating	VRF			1					COMPLIES
FCU1-3	Fan coils, hydronic & VRF, heating	VRF			1					COMPLIES

## Air Systems &amp; Equipment Details

System/Equip ID	Area(s) Served	Location In Project Documents - Plan/Detail #	
FCU1-13	PHARMACY WAITING 107, CONSULT 111	M2.01	
	System/Equip ID for a single or multiple items?: Single item		
	Heating Capacity Source: ODU-1		
FCU1-10	MANAGER OFFICE 110	M2.01	

<div> <div>City of Puyallup</div> <div>Development &amp; Permitting Services</div> <div>ISSUED PERMIT</div> <div> <div>Building</div> <div>Planning</div> <div>Engineering</div> <div>Public Works</div> <div>Fire</div> <div>Traffic</div> </div> </div>		System/Equip ID for a single or multiple items?: Single item	
		Heating Capacity Source: ODU-1	
	FCU1-1	LOBBY 101, STAIR 125	M2.01
		System/Equip ID for a single or multiple items?: Single item	
		Heating Capacity Source: ODU-1	
	FCU1-5	IT 117	M2.01
		System/Equip ID for a single or multiple items?: Single item	
		Heating Capacity Source: ODU-1	
	FCU1-2	WAITING 105	M2.01
		System/Equip ID for a single or multiple items?: Single item	
		Heating Capacity Source: ODU-1	
	FCU1-3	JAN. 124, RESTROOMS 120, 121, 122, 123, HALLS 136, 137	M2.01
		System/Equip ID for a single or multiple items?: Single item	
		Heating Capacity Source: ODU-1	
	FCU1-11	CENTRAL FILL 113, CALL CENTER 114, STORAGE 115	M2.01
		System/Equip ID for a single or multiple items?: Single item	
		Heating Capacity Source: ODU-1	
	FCU1-6	KITCHENETTE 116	M2.01
		System/Equip ID for a single or multiple items?: Single item	
		Heating Capacity Source: ODU-1	
	FCU1-14, FCU1-15, FCU1-16, FCU1-17	OFFICES 127, 128, 129, 130	M2.01
		System/Equip ID for a single or multiple items?: Multiple items w/ identical heating & cooling capacity	
		Heating Capacity Source: ODU-1	
	FCU1-8A, FCU1-8B	LARGE MEETING 119	M2.01
		System/Equip ID for a single or multiple items?: Multiple items w/ identical heating & cooling capacity	
		Heating Capacity Source: ODU-1	
	FCU1-9	HALL 139	M2.01
		System/Equip ID for a single or multiple items?: Single item	
		Heating Capacity Source: ODU-1	
	FCU1-4	SMALL MEETING 106	M2.01
		System/Equip ID for a single or multiple items?: Single item	
		Heating Capacity Source: ODU-1	
	FCU1-12	STORAGE 108, RESTROOM 109, PHARMACY 112	M2.01
		System/Equip ID for a single or multiple items?: Single item	
		Heating Capacity Source: ODU-1	
	FCU1-7A, FCU1-7B	LARGE MEETING 119	M2.01
		System/Equip ID for a single or multiple items?: Multiple items w/ identical heating & cooling capacity	
		Heating Capacity Source: ODU-1	