

System Checksums

By B4



B-20-0180
CITY OF PUYALLUP

AHU-1

Single Zone

COOLING COIL PEAK					CLG SPACE PEAK					HEATING COIL PEAK					TEMPERATURES		
Peaked at Time: Mo/Hr: 8 / 11					Mo/Hr: Sum of					Mo/Hr: Heating Design							
Outside Air: OADB/WB/HR: 60 / 60 / 78					OADB: Peaks					OADB: 21							
Space Sens. + Lat. Btu/h	Plenum Sens. + Lat. Btu/h	Net Total Btu/h	Percent Of Total (%)		Space Sensible Btu/h	Percent Of Total (%)				Space Peak Space Sens Btu/h	Coil Peak Tot Sens Btu/h	Percent Of Total (%)			SADB	Cooling	Heating
Envelope Loads					Envelope Loads					Envelope Loads					Ra Plenum	55.0	78.0
Skylite Solar	0	0	0	0	0	0	0	0	0	0	0	0.00	0	0	78.3	68.9	
Skylite Cond	0	0	0	0	0	0	0	0	0	0	0	0.00	0	0	75.0	70.0	
Roof Cond	0	0	0	0	0	0	0	0	0	0	0	0.00	0	0	75.0	70.0	
Glass Solar	0	0	0	0	0	0	0	0	0	0	0	0.00	0	0	0.0	0.0	
Glass/Door Cond	-73	0	-73	0	-12	0	0	0	0	-211	-211	1.25	0	0	0.0	0.0	
Wall Cond	940	150	1,089	5	1,278	6	0	0	0	-1,348	-1,580	9.33	0	0	0.0	0.0	
Partition/Door	0	0	0	0	0	0	0	0	0	0	0	0.00	0	0	0.0	0.0	
Floor	0	0	0	0	0	0	0	0	0	0	0	0.00	0	0	0.0	0.0	
Adjacent Floor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	
Infiltration	-6	0	-6	0	5	0	0	5	0	-601	-601	3.55	0	0	0.0	0.0	
Sub Total ==>	861	150	1,011	4	1,271	6	0	1,271	6	-2,160	-2,393	14.13	0	0	0.0	0.0	
Internal Loads					Internal Loads					Internal Loads							
Lights	2,261	565	2,826	12	2,261	11	0	2,261	11	0	0	0.00	0	0	1,043	1,043	
People	4,800	0	4,800	20	2,445	12	0	2,445	12	0	0	0.00	0	0	1,043	1,043	
Misc	14,120	0	14,120	60	14,120	68	0	14,120	68	0	0	0.00	0	0	1,043	1,043	
Sub Total ==>	21,180	565	21,745	93	18,825	90	0	18,825	90	0	0	0.00	0	0	0	0	
Ceiling Load	713	-713	0	0	774	4	0	774	4	-232	0	0.00	0	0	143	143	
Ventilation Load	0	0	671	3	0	0	0	0	0	0	0	0.00	0	0	143	143	
Adj Air Trans Heat	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11	11	
Dehumid. Ov Sizing			0	0			0			-6,762	-6,762	39.94	0	0	0	0	
Ov/Undr Sizing	0	0	0	0	0	0	0	0	0	0	0	0.00	0	0	0	0	
Exhaust Heat		0	0	0			0			0	0	0.00	0	0	1,054	1,054	
Sup. Fan Heat		0	0	0			0			-7,778	45.93		0	0	154	154	
Ret. Fan Heat		0	0	0			0			0	0	0.00	0	0	0	0	
Duct Heat Pkup		0	0	0			0			0	0	0.00	0	0	0	0	
Underflr Sup Ht Pkup		0	0	0			0			0	0	0.00	0	0	0	0	
Supply Air Leakage		0	0	0			0			0	0	0.00	0	0	0	0	
Grand Total ==>	22,754	2	23,427	100.00	20,870	100.00	0	20,870	100.00	-9,155	-16,933	100.00	0	0	0	0	

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION				
	Total Capacity ton	MBh	Sens Cap. MBh	Coil Airflow cfm	Enter DB/WB/HR °F °F gr/lb	Leave DB/WB/HR °F °F gr/lb				Gross Total	Glass ft² (%)		Capacity Coil Airflow MBh cfm	Ent °F	Lvg °F		
Main Clg	2.2	25.8	22.3	1,043	75.0 60.9 58.2	55.0 52.1 54.3				Floor	690		Main Htg	-9.2	1,043	70.0 78.0	
Aux Clg	0.0	0.0	0.0	0	0.0 0.0 0.0	0.0 0.0 0.0				Part	0		Aux Htg	0.0	0	0.0 0.0	
Opt Vent	0.3	3.1	1.8	143	68.9 62.9 77.7	57.2 55.8 65.0				Int Door	0		Preheat	0.0	0	0.0 0.0	
										ExFlr	0						
Total	2.4	28.9								Roof	0	0 0	Humidif	0.0	0	0.0 0.0	
										Wall	427	0 0	Opt Vent	-7.8	143	20.5 70.0	
										Ext Door	21	0 0	Total	-16.9			

System Checksums

By B4



B-20-0180
CITY OF PUYALLUP

AHU-2

Single Zone

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK				TEMPERATURES		
Peaked at Time: Mo/Hr: 8 / 18					Mo/Hr: Sum of			Mo/Hr: Heating Design				Cooling Heating		
Outside Air: OADB/WB/HR: 64 / 61 / 78					OADB: Peaks			OADB: 21				SADB 55.0 82.6		
												Ra Plenum 78.9 68.2		
												Return 75.0 70.0		
												Ret/OA 72.1 70.0		
												Fn MtrTD 0.0 0.0		
												Fn BldTD 0.0 0.0		
												Fn Frict 0.0 0.0		
					</									

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION				
Total Capacity ton	MBh	Sens Cap. MBh	Coil Airflow cfm	Enter DB/WB/HR °F °F gr/lb	Leave DB/WB/HR °F °F gr/lb					Gross Total	Glass ft² (%)		Capacity Coil Airflow MBh cfm	Ent °F	Lvg °F		
Main Clg	2.6	31.6	25.8	1,230	75.0	61.3	60.2	55.0	52.3	54.9	Floor	1,235	Main Htg	-17.0	1,230	70.0	82.6
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0	Aux Htg	0.0	0	0.0	0.0
Opt Vent	0.4	4.3	2.6	199	68.9	62.9	77.7	57.2	55.8	65.0	Int Door	0	Preheat	0.0	0	0.0	0.0
											ExFlr	0					
Total	3.0	35.9									Roof	200	Humidif	0.0	0	0.0	0.0
											Wall	812	Opt Vent	-10.8	199	20.5	70.0
											Ext Door	84	Total	-27.8			

System Checksums

By B4



B-20-0180
CITY OF PUYALLUP

AHU-3

Single Zone

COOLING COIL PEAK					CLG SPACE PEAK					HEATING COIL PEAK					TEMPERATURES		
Peaked at Time: Mo/Hr: 8 / 11					Mo/Hr: Sum of					Mo/Hr: Heating Design							
Outside Air: OADB/WB/HR: 60 / 60 / 78					OADB: Peaks					OADB: 21							
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total		Space Sensible	Percent Of Total				Space Peak	Coil Peak	Percent					
Btu/h	Btu/h	Btu/h	(%)		Btu/h	(%)				Space Sens	Tot Sens	Of Total					
Envelope Loads					Envelope Loads					Envelope Loads							
Skylite Solar	0	0	0	0	0	0	0	0	0	0	0	0.00	0	0.00	SADB	55.0	77.8
Skylite Cond	0	0	0	0	0	0	0	0	0	0	0	0.00	0	0.00	Ra Plenum	78.1	68.9
Roof Cond	0	7	7	0	0	0	0	0	0	0	-82	0.39	0	0.00	Return	75.0	70.0
Glass Solar	4,423	0	4,423	17	4,725	22	0	0	0	0	0	0.00	0	0.00	Ret/OA	75.0	70.0
Glass/Door Cond	-637	0	-637	-3	-101	0	0	0	0	-1,890	-1,890	8.97	0	0.00	Fn MtrTD	0.0	0.0
Wall Cond	805	156	962	4	1,073	5	0	0	0	-1,062	-1,287	6.10	0	0.00	Fn BldTD	0.0	0.0
Partition/Door	0	0	0	0	0	0	0	0	0	0	0	0.00	0	0.00	Fn Frict	0.0	0.0
Floor	0	0	0	0	0	0	0	0	0	0	0	0.00	0	0.00			
Adjacent Floor	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Infiltration	-69	0	-69	0	11	0	0	0	0	-749	-749	3.56	0	0.00			
Sub Total ==>	4,523	163	4,685	18	5,708	27	0	0	0	-3,701	-4,008	19.01	0	0.00			
Internal Loads					Internal Loads					Internal Loads							
Lights	2,818	704	3,522	14	2,818	13	0	0	0	0	0	0.00	0	0.00			
People	13,600	0	13,600	53	8,330	39	0	0	0	0	0	0.00	0	0.00			
Misc	3,413	0	3,413	13	3,413	16	0	0	0	0	0	0.00	0	0.00			
Sub Total ==>	19,831	704	20,535	81	14,561	69	0	0	0	0	0	0.00	0	0.00			
Ceiling Load					Ceiling Load					Ceiling Load							
Ventilation Load	847	-847	0	0	938	4	0	0	0	-307	0	0.00	0	0.00			
Adj Air Trans Heat	0	0	249	1	0	0	0	0	0	0	0	0.00	0	0.00			
Dehumid. Ov Sizing	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Ov/Undr Sizing	0	0	0	0	0	0	0	0	0	-5,106	-5,106	24.22	0	0.00			
Exhaust Heat	0	0	0	0	0	0	0	0	0	0	0	0.00	0	0.00			
Sup. Fan Heat	0	0	0	0	0	0	0	0	0	0	-11,966	56.77	0	0.00			
Ret. Fan Heat	0	0	0	0	0	0	0	0	0	0	0	0.00	0	0.00			
Duct Heat Pkup	0	0	0	0	0	0	0	0	0	0	0	0.00	0	0.00			
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0	0	0	0	0.00	0	0.00			
Supply Air Leakage	0	0	0	0	0	0	0	0	0	0	0	0.00	0	0.00			
Grand Total ==>	25,201	20	25,469	100.00	21,207	100.00	0	0	0	-9,114	-21,080	100.00	0	0.00			

AIRFLOWS		
	Cooling	Heating
Diffuser	1,060	1,060
Terminal	1,060	1,060
Main Fan	1,060	1,060
Sec Fan	0	0
Nom Vent	220	220
AHU Vent	220	220
Infil	14	14
MinStop/Rh	0	0
Return	1,074	1,074
Exhaust	233	233
Rm Exh	0	0
Auxiliary	0	0
Leakage Dwn	0	0
Leakage Ups	0	0

ENGINEERING CKS		
	Cooling	Heating
% OA	20.7	20.7
cfm/ft²	1.23	1.23
cfm/ton	387.75	
ft²/ton	314.59	
Btu/hr-ft²	38.15	-24.51
No. People	34	

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION				
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR	Leave DB/WB/HR				Gross Total	Glass			CapacityCoil Airflow	Ent	Lvg	
	ton	MBh	MBh	cfm	°F °F	gr/lb	°F °F	gr/lb			ft²	(%)		MBh	cfm	°F	°F
Main Clg	2.3	28.0	21.8	1,060	75.0 62.0	63.4	55.0 52.9	57.0		Floor	860			Main Htg	-9.1	1,060	70.0 77.8
Aux Clg	0.0	0.0	0.0	0	0.0 0.0	0.0	0.0 0.0	0.0		Part	0			Aux Htg	0.0	0	0.0 0.0
Opt Vent	0.4	4.8	2.8	220	68.9 62.9	77.7	57.2 55.8	65.0		Int Door	0			Preheat	0.0	0	0.0 0.0
										ExFlr	0						
										Roof	65	0	0	Humidif	0.0	0	0.0 0.0
										Wall	413	65	16	Opt Vent	-12.0	220	20.5 70.0
										Ext Door	21	0	0	Total	-21.1		
Total	2.7	32.8															

System Checksums

By B4



B-20-0180
CITY OF PUYALLUP

AHU-4

Single Zone

COOLING COIL PEAK					CLG SPACE PEAK					HEATING COIL PEAK					TEMPERATURES		
Peaked at Time: Mo/Hr: 8 / 18					Mo/Hr: Sum of					Mo/Hr: Heating Design							
Outside Air: OADB/WB/HR: 64 / 61 / 78					OADB: Peaks					OADB: 21							
Space Sens. + Lat. Btu/h	Plenum Sens. + Lat. Btu/h	Net Total Btu/h	Percent Of Total (%)		Space Sensible Btu/h	Percent Of Total (%)				Space Peak Space Sens Btu/h	Coil Peak Tot Sens Btu/h	Percent Of Total (%)			SADB	Cooling	Heating
Envelope Loads					Envelope Loads					Envelope Loads					Ra Plenum	78.8	68.6
Skyline Solar	0	0	0	0	0	0	0	0	0	0	0	0.00	0	0	Return	75.0	70.0
Skyline Cond	0	0	0	0	0	0	0	0	0	0	0	0.00	0	0	Ret/OA	72.5	70.0
Roof Cond	0	147	147	1	0	0	0	0	0	0	-112	0.66	0	0	Fn MtrTD	0.0	0.0
Glass Solar	2,485	0	2,485	13	2,485	15	0	0	0	0	0	0.00	0	0	Fn BldTD	0.0	0.0
Glass/Door Cond	79	0	79	0	79	0	0	0	0	-775	-775	4.58	0	0	Fn Frict	0.0	0.0
Wall Cond	1,783	299	2,082	11	1,992	12	0	0	0	-1,624	-1,905	11.27	0	0			
Partition/Door	0	0	0	0	0	0	0	0	0	0	0	0.00	0	0			
Floor	0	0	0	0	0	0	0	0	0	0	0	0.00	0	0			
Adjacent Floor	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Infiltration	35	0	35	0	97	1	0	0	0	-763	-763	4.51	0	0			
Sub Total ==>	4,382	446	4,828	25	4,653	28	0	0	0	-3,162	-3,555	21.02	0	0			
Internal Loads					Internal Loads					Internal Loads					AIRFLOWS		
Lights	2,867	717	3,584	18	2,867	17	0	0	0	0	0	0.00	0	0	Diffuser	845	845
People	5,750	0	5,750	29	3,095	18	0	0	0	0	0	0.00	0	0	Terminal	845	845
Misc	5,120	0	5,120	26	5,120	30	0	0	0	0	0	0.00	0	0	Main Fan	845	845
Sub Total ==>	13,736	717	14,453	74	11,081	66	0	0	0	0	0	0.00	0	0	Sec Fan	0	0
Ceiling Load	1,064	-1,064	0	0	1,178	7	0	0	0	-393	0	0.00	0	0	Nom Vent	115	115
Ventilation Load	0	0	218	1	0	0	0	0	0	0	0	0.00	0	0	AHU Vent	115	115
Adj Air Trans Heat	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Infil	14	14
Dehumid. Ov Sizing	0	0	0	0	0	0	0	0	0	0	0	0.00	0	0	MinStop/Rh	0	0
Ov/Undr Sizing	0	0	0	0	0	0	0	0	0	-7,083	-7,083	41.88	0	0	Return	859	859
Exhaust Heat	0	0	0	0	0	0	0	0	0	0	0	0.00	0	0	Exhaust	129	129
Sup. Fan Heat	0	0	0	0	0	0	0	0	0	0	-6,275	37.10	0	0	Rm Exh	0	0
Ret. Fan Heat	0	0	0	0	0	0	0	0	0	0	0	0.00	0	0	Auxiliary	0	0
Duct Heat Pkup	0	0	0	0	0	0	0	0	0	0	0	0.00	0	0	Leakage Dwn	0	0
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0	0	0	0	0.00	0	0	Leakage Ups	0	0
Supply Air Leakage	0	0	0	0	0	0	0	0	0	0	0	0.00	0	0	ENGINEERING CKS		
Grand Total ==>	19,182	99	19,499	100.00	16,912	100.00	0	0	0	-10,638	-16,913	100.00	0	0	% OA	13.6	13.6
															cfm/ft²	0.97	0.97
															cfm/ton	423.38	
															ft²/ton	438.24	
															Btu/hr-ft²	27.38	-19.33
															No. People	12	

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION				
Total Capacity ton	MBh	Sens Cap. MBh	Coil Airflow cfm	Enter DB/WB/HR °F °F gr/lb	Leave DB/WB/HR °F °F gr/lb					Gross Total	Glass ft² (%)		Capacity Coil Airflow MBh cfm	Ent °F	Lvg °F		
Main Clg	1.8	21.5	18.2	845 75.0 61.0 58.8	55.0 52.0 53.9					Floor	875		Main Htg	-10.6	845 70.0 81.4		
Aux Clg	0.0	0.0	0.0	0 0.0 0.0 0.0	0.0 0.0 0.0					Part	0		Aux Htg	0.0	0 0.0 0.0		
Opt Vent	0.2	2.5	1.5	115 68.9 62.9 77.7	57.2 55.8 65.0					Int Door	0		Preheat	0.0	0 0.0 0.0		
										ExFlr	0						
Total	2.0	24.0								Roof	90	0 0	Humidif	0.0	0 0.0 0.0		
										Wall	546	30 5	Opt Vent	-6.3	115 20.5 70.0		
										Ext Door	0	0 0	Total	-16.9			

System Checksums

By B4



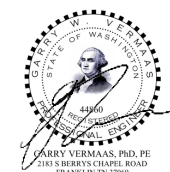
B-20-0180
CITY OF PUYALLUP

AHU-5

Single Zone

COOLING COIL PEAK					CLG SPACE PEAK					HEATING COIL PEAK					TEMPERATURES		
Peaked at Time: Mo/Hr: 8 / 15					Mo/Hr: Sum of					Mo/Hr: Heating Design							
Outside Air: OADB/WB/HR: 69 / 63 / 78					OADB: Peaks					OADB: 21							
Space Sens. + Lat. Btu/h	Plenum Sens. + Lat. Btu/h	Net Total Btu/h	Percent Of Total (%)		Space Sensible Btu/h	Percent Of Total (%)				Space Peak Space Sens Btu/h	Coil Peak Tot Sens Btu/h	Percent Of Total (%)			SADB	Cooling	Heating
Envelope Loads					Envelope Loads					Envelope Loads					Ra Plenum	77.6	70.0
Skyline Solar	0	0	0	0	0	0	0	0	0	0	0	0.00	0	0	Return	75.0	70.0
Skyline Cond	0	0	0	0	0	0	0	0	0	0	0	0.00	0	0	Fn MtrTD	0.0	0.0
Roof Cond	0	0	0	0	0	0	0	0	0	0	0	0.00	0	0	Fn BldTD	0.0	0.0
Glass Solar	0	0	0	0	0	0	0	0	0	0	0	0.00	0	0	Fn Frict	0.0	0.0
Glass/Door Cond	0	0	0	0	0	0	0	0	0	0	0	0.00	0	0			
Wall Cond	0	0	0	0	0	0	0	0	0	0	0	0.00	0	0	AIRFLOWS		
Partition/Door	0	0	0	0	0	0	0	0	0	0	0	0.00	0	0			
Floor	0	0	0	0	0	0	0	0	0	0	0	0.00	0	0	Diffuser	2,004	2,004
Adjacent Floor	0	0	0	0	0	0	0	0	0	0	0	0.00	0	0	Terminal	2,004	2,004
Infiltration	14	14	14	0	240	1	0	0	-1,050	-1,050	5.06	0	0	0	Main Fan	2,004	2,004
Sub Total ==>	14	0	14	0	240	1	0	0	-1,050	-1,050	5.06	0	0	0	Sec Fan	0	0
Internal Loads					Internal Loads					Internal Loads					Nom Vent	362	362
Lights	3,948	987	4,935	9	3,948	10	0	0	0	0	0.00	0	0	0	AHU Vent	362	362
People	21,600	0	21,600	41	8,520	21	0	0	0	0	0.00	0	0	0	Infil	19	19
Misc	27,147	0	27,147	51	27,147	66	0	0	0	0	0.00	0	0	0	MinStop/Rh	0	0
Sub Total ==>	52,695	987	53,682	101	39,615	97	0	0	0	0	0.00	0	0	0	Return	2,024	2,024
Ceiling Load	987	-987	0	0	987	2	0	0	0	0	0.00	0	0	0	Exhaust	381	381
Ventilation Load	0	0	-496	-1	0	0	0	0	0	0	0.00	0	0	0	Rm Exh	0	0
Adj Air Trans Heat	0	0	0	0	0	0	0	0	0	0	0.00	0	0	0	Auxiliary	0	0
Dehumid. Ov Sizing			0	0			0	0	0	0	0.00	0	0	0	Leakage Dwn	0	0
Ov/Undr Sizing	0	0	0	0	0	0	0	0	0	0	0.00	0	0	0	Leakage Ups	0	0
Exhaust Heat		0	0	0			0	0	0	0	0.00	0	0	0	ENGINEERING CKS		
Sup. Fan Heat		0	0	0			0	0	0	0	0.00	0	0	0			
Ret. Fan Heat		0	0	0			0	0	0	0	0.00	0	0	0	% OA	18.0	18.0
Duct Heat Pkup		0	0	0			0	0	0	0	0.00	0	0	0	cfm/ft²	1.66	1.66
Underflr Sup Ht Pkup		0	0	0			0	0	0	0	0.00	0	0	0	cfm/ton	368.13	
Supply Air Leakage		0	0	0			0	0	0	0	0.00	0	0	0	ft²/ton	221.32	
Grand Total ==>	53,696	0	53,200	100.00	40,841	100.00			-1,050	-20,740	100.00			0	Btu/hr-ft²	54.22	-17.21
														0	No. People	12	

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION				
	Total Capacity ton	MBh	Sens Cap. MBh	Coil Airflow cfm	Enter DB/WB/HR °F °F	gr/lb	Leave DB/WB/HR °F °F	gr/lb		Gross Total	Glass ft² (%)		Capacity Coil Airflow MBh cfm	Ent °F	Lvg °F		
Main Clg	4.8	57.5	43.7	2,004	75.0	62.7	66.6	55.0	52.9	1,205			Main Htg	-1.1	2,004	70.0	70.5
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0			Aux Htg	0.0	0	0.0	0.0
Opt Vent	0.7	7.9	4.7	362	68.9	62.9	77.7	57.2	55.8	0			Preheat	0.0	0	0.0	0.0
										0							
Total	5.5	65.3								0	0	0	Humidif	0.0	0	0.0	0.0
										0	0	0	Opt Vent	-19.7	362	20.5	70.0
										0	0	0	Total	-20.7			



System Checksums

By B4

AHU-6

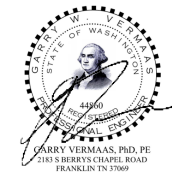
Single Zone

COOLING COIL PEAK					CLG SPACE PEAK					HEATING COIL PEAK					TEMPERATURES		
Peaked at Time: Mo/Hr: 8 / 18					Mo/Hr: Sum of					Mo/Hr: Heating Design							
Outside Air: OADB/WB/HR: 64 / 61 / 78					OADB: Peaks					OADB: 21							
Space Sens. + Lat. Btu/h	Plenum Sens. + Lat. Btu/h	Net Total Btu/h	Percent Of Total (%)		Space Sensible Btu/h	Percent Of Total (%)				Space Peak Space Sens Btu/h	Coil Peak Tot Sens Btu/h	Percent Of Total (%)			SADB	Cooling	Heating
Envelope Loads					Envelope Loads					Envelope Loads					Ra Plenum	55.0	73.0
Skylite Solar	0	0	0	0	0	0	0	0	0	0	0	0.00	0	0	78.3	69.1	
Skylite Cond	0	0	0	0	0	0	0	0	0	0	0	0.00	0	0	75.0	70.0	
Roof Cond	0	0	0	0	0	0	0	0	0	0	0	0.00	0	0	72.7	70.0	
Glass Solar	0	0	0	0	0	0	0	0	0	0	0	0.00	0	0	Fn MtrTD	0.0	0.0
Glass/Door Cond	0	0	0	0	0	0	0	0	0	0	0	0.00	0	0	Fn BldTD	0.0	0.0
Wall Cond	1,514	233	1,747	7	2,146	10	0	0	0	-1,693	-1,970	17.80	0	0	Fn Frict	0.0	0.0
Partition/Door	0	0	0	0	0	0	0	0	0	0	0	0.00	0	0			
Floor	0	0	0	0	0	0	0	0	0	0	0	0.00	0	0			
Adjacent Floor	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Infiltration	65	0	65	0	98	0	0	0	0	-845	-845	7.64	0	0			
Sub Total ==>	1,578	233	1,812	7	2,243	10	0	0	0	-2,538	-2,815	25.44	0	0			
Internal Loads					Internal Loads					Internal Loads					AIRFLOWS		
Lights	3,178	795	3,973	16	3,178	14	0	0	0	0	0	0.00	0	0	Cooling	Heating	
People	3,400	0	3,400	14	1,345	6	0	0	0	0	0	0.00	0	0	Diffuser	1,100	1,100
Misc	14,120	0	14,120	58	14,120	64	0	0	0	0	0	0.00	0	0	Terminal	1,100	1,100
Sub Total ==>	20,698	795	21,492	89	18,643	85	0	0	0	0	0	0.00	0	0	Main Fan	1,100	1,100
Ceiling Load	1,012	-1,012	0	0	1,128	5	0	0	0	-277	0	0.00	0	0	Sec Fan	0	0
Ventilation Load	0	0	921	4	0	0	0	0	0	0	0	0.00	0	0	Nom Vent	136	136
Adj Air Trans Heat	0	0	0	0	0	0	0	0	0	0	0	0	0	0	AHU Vent	136	136
Dehumid. Ov Sizing	0	0	0	0	0	0	0	0	0	-819	-819	7.41	0	0	Infil	16	16
Ov/Undr Sizing	0	0	0	0	0	0	0	0	0	0	0	0.00	0	0	MinStop/Rh	0	0
Exhaust Heat	0	0	0	0	0	0	0	0	0	0	0	0.00	0	0	Return	1,116	1,116
Sup. Fan Heat	0	0	0	0	0	0	0	0	0	-7,429	67.15	0.00	0	0	Exhaust	152	152
Ret. Fan Heat	0	0	0	0	0	0	0	0	0	0	0	0.00	0	0	Rm Exh	0	0
Duct Heat Pkup	0	0	0	0	0	0	0	0	0	0	0	0.00	0	0	Auxiliary	0	0
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0	0	0	0	0.00	0	0	Leakage Dwn	0	0
Supply Air Leakage	0	0	0	0	0	0	0	0	0	0	0	0.00	0	0	Leakage Ups	0	0
Grand Total ==>	23,288	16	24,225	100.00	22,014	100.00	0	0	0	-3,634	-11,064	100.00	0	0	ENGINEERING CKS		

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION				
	Total Capacity ton	MBh	Sens Cap. MBh	Coil Airflow cfm	Enter DB/WB/HR °F °F gr/lb	Leave DB/WB/HR °F °F gr/lb				Gross Total	Glass ft² (%)		CapacityCoil Airflow MBh cfm	Ent °F	Lvg °F		
Main Clg	2.2	26.7	23.1	1,100	75.0 60.5 56.5	55.0 51.9 53.2				Floor	970		Main Htg	-3.6	1,100	70.0 73.0	
Aux Clg	0.0	0.0	0.0	0	0.0 0.0 0.0	0.0 0.0 0.0				Part	0		Aux Htg	0.0	0	0.0 0.0	
Opt Vent	0.3	3.0	1.8	136	68.9 62.9 77.7	57.2 55.8 65.0				Int Door	0		Preheat	0.0	0	0.0 0.0	
										ExFlr	0						
Total	2.5	29.6								Roof	0	0 0	Humidif	0.0	0	0.0 0.0	
										Wall	532	0 0	Opt Vent	-7.4	136	20.5 70.0	
										Ext Door	0	0 0	Total	-11.1			

System Checksums

By B4



B-20-0180
CITY OF PUYALLUP

AHU-7

Single Zone

COOLING COIL PEAK					CLG SPACE PEAK					HEATING COIL PEAK					TEMPERATURES		
Peaked at Time: Mo/Hr: 7 / 14					Mo/Hr: Sum of					Mo/Hr: Heating Design							
Outside Air: OADB/WB/HR: 85 / 65 / 61					OADB: Peaks					OADB: 21							
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total		Space Sensible	Percent Of Total				Space Peak	Coil Peak	Percent					
Btu/h	Btu/h	Btu/h	(%)		Btu/h	(%)				Space Sens	Tot Sens	Of Total	(%)		Cooling	Heating	
Envelope Loads					Envelope Loads					Envelope Loads							
Skylite Solar	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	SADB	55.0	76.8
Skylite Cond	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	Ra Plenum	82.0	63.5
Roof Cond	0	921	921	2	0	0	0	0	0	0	-889	1.59	0.00	0.00	Return	75.0	70.0
Glass Solar	6,061	0	6,061	11	5,754	14	0	0	0	0	0	0.00	0.00	0.00	Ret/OA	75.0	70.0
Glass/Door Cond	714	0	714	1	855	2	0	0	0	-5,540	-5,540	9.89	0.00	0.00	Fn MtrTD	0.0	0.0
Wall Cond	2,966	1,316	4,282	8	3,011	7	0	0	0	-4,846	-7,270	12.97	0.00	0.00	Fn BldTD	0.0	0.0
Partition/Door	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	Fn Frict	0.0	0.0
Floor	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00			
Adjacent Floor	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00			
Infiltration	229	0	229	0	455	1	0	0	0	-1,994	-1,994	3.56	0.00	0.00			
Sub Total ==>	9,970	2,236	12,206	22	10,074	24	0	0	0	-12,379	-15,693	28.00	0.00	0.00			
Internal Loads					Internal Loads					Internal Loads							
Lights	5,292	1,323	6,614	12	5,292	12	0	0	0	0	0	0.00	0.00	0.00			
People	33,000	0	33,000	60	16,500	39	0	0	0	0	0	0.00	0.00	0.00			
Misc	6,826	0	6,826	12	6,826	16	0	0	0	0	0	0.00	0.00	0.00			
Sub Total ==>	45,118	1,323	46,440	85	28,618	67	0	0	0	0	0	0.00	0.00	0.00			
Ceiling Load					Ceiling Load					Ceiling Load							
Ventilation Load	3,559	-3,559	0	0	3,744	9	0	0	0	-3,314	0	0.00	0.00	0.00			
Adj Air Trans Heat	0	0	-3,911	-7	0	0	0	0	0	0	0	0.00	0.00	0.00			
Dehumid. Ov Sizing	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00			
Ov/Undr Sizing	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00			
Exhaust Heat	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00			
Sup. Fan Heat	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00			
Ret. Fan Heat	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00			
Duct Heat Pkup	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00			
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00			
Supply Air Leakage	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00			
Grand Total ==>	58,646	0	54,736	100.00	42,435	100.00	0	0	0	-15,693	-56,036	100.00	0.00	0.00			

AIRFLOWS		
	Cooling	Heating
Diffuser	2,102	2,102
Terminal	2,102	2,102
Main Fan	2,102	2,102
Sec Fan	0	0
Nom Vent	741	741
AHU Vent	741	741
Infil	37	37
MinStop/Rh	0	0
Return	2,138	2,138
Exhaust	777	777
Rm Exh	0	0
Auxiliary	0	0
Leakage Dwn	0	0
Leakage Ups	0	0

ENGINEERING CKS		
	Cooling	Heating
% OA	35.2	35.2
cfm/ft²	1.30	1.30
cfm/ton	332.72	
ft²/ton	255.65	
Btu/hr-ft²	46.94	-34.70
No. People	60	

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION				
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR	Leave DB/WB/HR				Gross Total	Glass			CapacityCoil Airflow	Ent	Lvg	
	ton	MBh	MBh	cfm	°F °F	gr/lb	°F °F	gr/lb			ft² (%)		MBh	cfm	°F	°F	
Main Clg	5.0	59.7	46.2	2,102	75.0 62.6	66.2	55.0 52.8	57.0		Floor	1,615		Main Htg	-15.7	2,102	70.0	76.8
Aux Clg	0.0	0.0	0.0	0	0.0 0.0	0.0	0.0 0.0	0.0		Part	0		Aux Htg	0.0	0	0.0	0.0
Opt Vent	1.4	16.1	9.6	741	68.9 62.9	77.7	57.2 55.8	65.0		Int Door	0		Preheat	0.0	0	0.0	0.0
										ExFlr	0						
										Roof	795	0 0	Humidif	0.0	0	0.0	0.0
										Wall	2,308	250 11	Opt Vent	-40.3	741	20.5	70.0
										Ext Door	42	0 0	Total	-56.0			
Total	6.3	75.8															

System Checksums

By B4



B-20-0180
CITY OF PUYALLUP

FCU-1

Fan Coil

COOLING COIL PEAK					CLG SPACE PEAK					HEATING COIL PEAK					TEMPERATURES		
Peaked at Time: Mo/Hr: 7 / 17					Mo/Hr: Sum of					Mo/Hr: Heating Design							
Outside Air: OADB/WB/HR: 83 / 62 / 52					OADB: Peaks					OADB: 21							
Space Sens. + Lat. Btu/h	Plenum Sens. + Lat. Btu/h	Net Total Btu/h	Percent Of Total (%)		Space Sensible Btu/h	Percent Of Total (%)				Space Peak Space Sens Btu/h	Coil Peak Tot Sens Btu/h	Percent Of Total (%)			SADB	Cooling	Heating
Envelope Loads					Envelope Loads					Envelope Loads					Ra Plenum	79.8	68.0
Skylite Solar	0	0	0	0	0	0	0	0	0	0	0	0.00	0	0	Return	75.0	70.0
Skylite Cond	0	0	0	0	0	0	0	0	0	0	0	0.00	0	0	Ret/OA	75.0	70.0
Roof Cond	0	173	173	1	0	0	0	0	0	0	-130	2.08	0	0	Fn MtrTD	0.0	0.0
Glass Solar	2,222	0	2,222	17	2,437	20	0	0	0	0	0	0.00	0	0	Fn BldTD	0.0	0.0
Glass/Door Cond	107	0	107	1	78	1	0	0	0	-775	-775	12.44	0	0	Fn Frict	0.0	0.0
Wall Cond	1,046	174	1,220	10	1,128	9	0	0	0	-1,091	-1,283	20.61	0	0			
Partition/Door	0	0	0	0	0	0	0	0	0	0	0	0.00	0	0			
Floor	0	0	0	0	0	0	0	0	0	0	0	0.00	0	0			
Adjacent Floor	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Infiltration	47	0	47	0	53	0	0	0	0	-444	-444	7.14	0	0			
Sub Total ==>	3,423	347	3,770	29	3,696	31	0	0	0	-2,310	-2,632	42.27	0	0			
Internal Loads					Internal Loads					Internal Loads					AIRFLOWS		
Lights	1,671	418	2,089	16	1,671	14	0	0	0	0	0	0.00	0	0	Diffuser	599	599
People	3,100	0	3,100	24	1,745	15	0	0	0	0	0	0.00	0	0	Terminal	599	599
Misc	4,096	0	4,096	32	4,096	34	0	0	0	0	0	0.00	0	0	Main Fan	599	599
Sub Total ==>	8,867	418	9,284	72	7,512	63	0	0	0	0	0	0.00	0	0	Sec Fan	0	0
Ceiling Load	770	-770	0	0	777	6	0	0	0	-322	0	0.00	0	0	Nom Vent	66	66
Ventilation Load	0	0	-247	-2	0	0	0	0	0	0	0	0.00	0	0	AHU Vent	66	66
Adj Air Trans Heat	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Infil	8	8
Dehumid. Ov Sizing	0	0	0	0	0	0	0	0	0	0	0	0.00	0	0	MinStop/Rh	0	0
Ov/Undr Sizing	0	0	0	0	0	0	0	0	0	0	0	0.00	0	0	Return	607	607
Exhaust Heat	0	0	0	0	0	0	0	0	0	0	0	0.00	0	0	Exhaust	74	74
Sup. Fan Heat	0	0	0	0	0	0	0	0	0	0	-3,595	57.73	0	0	Rm Exh	0	0
Ret. Fan Heat	0	0	0	0	0	0	0	0	0	0	0	0.00	0	0	Auxiliary	0	0
Duct Heat Pkup	0	0	0	0	0	0	0	0	0	0	0	0.00	0	0	Leakage Dwn	0	0
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0	0	0	0	0.00	0	0	Leakage Ups	0	0
Supply Air Leakage	0	0	0	0	0	0	0	0	0	0	0	0.00	0	0	ENGINEERING CKS		
Grand Total ==>	13,059	-4	12,808	100.00	11,985	100.00	0	0	0	-2,632	-6,227	100.00	0	0	% OA	11.0	11.0
															cfm/ft²	1.17	1.17
															cfm/ton	462.98	
															ft²/ton	394.15	
															Btu/hr-ft²	30.45	-12.21
															No. People	7	

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION				
	Total Capacity ton	MBh	Sens Cap. MBh	Coil Airflow cfm	Enter DB/WB/HR °F °F gr/lb	Leave DB/WB/HR °F °F gr/lb				Gross Total	Glass ft² (%)		CapacityCoil Airflow MBh cfm	Ent °F	Lvg °F		
Main Clg	1.2	14.1	12.9	599	75.0 60.4 56.3	55.0 52.1 54.0				Floor	510		Main Htg	-2.6	599 70.0 74.0		
Aux Clg	0.0	0.0	0.0	0	0.0 0.0 0.0	0.0 0.0 0.0				Part	0		Aux Htg	0.0	0 0.0 0.0		
Opt Vent	0.1	1.4	0.9	66	68.9 62.9 77.7	57.2 55.8 65.0				Int Door	0		Preheat	0.0	0 0.0 0.0		
										ExFlr	0						
Total	1.3	15.5								Roof	105	0 0	Humidif	0.0	0 0.0 0.0		
										Wall	378	30 8	Opt Vent	-3.6	66 20.5 70.0		
										Ext Door	0	0 0	Total	-6.2			

System Checksums

By B4



B-20-0180
CITY OF PUYALLUP

FCU-2

Fan Coil

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK				TEMPERATURES		
Peaked at Time: Mo/Hr: 8 / 15					Mo/Hr: Sum of			Mo/Hr: Heating Design						
Outside Air: OADB/WB/HR: 69 / 63 / 78					OADB: Peaks			OADB: 21						
Space Sens. + Lat. Btu/h	Plenum Sens. + Lat. Btu/h	Net Total Btu/h	Percent Of Total (%)		Space Sensible Btu/h	Percent Of Total (%)		Space Peak Space Sens Btu/h	Coil Peak Tot Sens Btu/h	Percent Of Total (%)		SADB	Cooling	Heating
Envelope Loads								Envelope Loads						
Skylite Solar	0	0	0	0	0	0	0	0	0	0.00	0	77.6	70.4	
Skylite Cond	0	0	0	0	0	0	0	0	0	0.00	0	75.0	70.0	
Roof Cond	0	0	0	0	0	0	0	0	0	0.00	0	75.0	70.0	
Glass Solar	0	0	0	0	0	0	0	0	0	0.00	0	0.0	0.0	
Glass/Door Cond	0	0	0	0	0	0	0	0	0	0.00	0	0.0	0.0	
Wall Cond	0	0	0	0	0	0	0	0	0	0.00	0	0.0	0.0	
Partition/Door	0	0	0	0	0	0	0	0	0	0.00	0	0.0	0.0	
Floor	0	0	0	0	0	0	0	0	0	0.00	0	0.0	0.0	
Adjacent Floor	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	
Infiltration	16		16	0	36	1		-157	-157	8.35		0.0	0.0	
Sub Total ==>	16	0	16	0	36	1		-157	-157	8.35		0.0	0.0	
Internal Loads								Internal Loads						
Lights	590	147	737	9	590	9		0	0	0.00				
People	1,500	0	1,500	19	550	8		0	0	0.00				
Misc	5,400	0	5,400	70	5,400	80		0	0	0.00				
Sub Total ==>	7,490	147	7,637	98	6,540	97		0	0	0.00				
Ceiling Load	147	-147	0	0	147	2		0	0	0.00				
Ventilation Load	0	0	113	1	0	0		0	0	0.00				
Adj Air Trans Heat	0		0	0	0	0		0	0	0				
Dehumid. Ov Sizing			0	0				0	0	0.00				
Ov/Undr Sizing	0		0	0	0	0		0	0	0.00				
Exhaust Heat		0	0	0				0	0	0.00				
Sup. Fan Heat			0	0				0	-1,721	91.65				
Ret. Fan Heat		0	0	0				0	0	0.00				
Duct Heat Pkup		0	0	0				0	0	0.00				
Underflr Sup Ht Pkup			0	0				0	0	0.00				
Supply Air Leakage		0	0	0				0	0	0.00				
Grand Total ==>	7,654	0	7,767	100.00	6,723	100.00		-157	-1,878	100.00				

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION				
	Total Capacity ton	MBh	Sens Cap. MBh	Coil Airflow cfm	Enter DB/WB/HR °F °F	gr/lb	Leave DB/WB/HR °F °F	gr/lb		Gross Total	Glass ft² (%)		Capacity Coil Airflow MBh cfm	Ent °F	Lvg °F		
Main Clg	0.7	8.5	7.3	336	75.0	61.3	60.3	55.0	52.4	55.3			Main Htg	-0.2	336	70.0	70.4
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0			Aux Htg	0.0	0	0.0	0.0
Opt Vent	0.1	0.7	0.4	32	68.9	62.9	77.7	57.2	55.8	65.0			Preheat	0.0	0	0.0	0.0
Total	0.8	9.2											Humidif	0.0	0	0.0	0.0
													Opt Vent	-1.7	32	20.5	70.0
													Total	-1.9			

System Checksums

By B4



B-20-0180
CITY OF PUYALLUP

FCU-3

Fan Coil

COOLING COIL PEAK					CLG SPACE PEAK					HEATING COIL PEAK					TEMPERATURES		
Peaked at Time: Mo/Hr: 7 / 18					Mo/Hr: Sum of					Mo/Hr: Heating Design							
Outside Air: OADB/WB/HR: 80 / 60 / 46					OADB: Peaks					OADB: 21							
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total		Space Sensible	Percent Of Total				Space Peak	Coil Peak	Percent					
Btu/h	Btu/h	Btu/h	(%)		Btu/h	(%)				Space Sens	Tot Sens	Of Total					
Envelope Loads					Envelope Loads					Envelope Loads							
Skylite Solar	0	0	0	0	0	0	0	0	0	0	0	0.00	0	0.00	SADB	Cooling	Heating
Skylite Cond	0	0	0	0	0	0	0	0	0	0	0	0.00	0	0.00	Ra Plenum	55.0	74.9
Roof Cond	0	0	0	0	0	0	0	0	0	0	0	0.00	0	0.00	Return	78.7	68.8
Glass Solar	4,781	0	4,781	35	4,781	37	0	0	0	0	0	0.00	0	0.00	Ret/OA	75.0	70.0
Glass/Door Cond	153	0	153	1	153	1	0	0	0	-1,549	-1,549	19.41	0	0.00	Fn MtrTD	0.0	0.0
Wall Cond	1,185	219	1,403	10	1,185	9	0	0	0	-1,158	-1,382	17.33	0	0.00	Fn BldTD	0.0	0.0
Partition/Door	0	0	0	0	0	0	0	0	0	0	0	0.00	0	0.00	Fn Frict	0.0	0.0
Floor	0	0	0	0	0	0	0	0	0	0	0	0.00	0	0.00			
Adjacent Floor	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Infiltration	-23	0	-23	0	58	0	0	0	0	-532	-532	6.66	0	0.00			
Sub Total ==>	6,096	219	6,314	46	6,176	48	0	0	0	-3,238	-3,462	43.40	0	0.00			
Internal Loads					Internal Loads					Internal Loads							
Lights	1,999	500	2,498	18	1,999	16	0	0	0	0	0	0.00	0	0.00			
People	4,000	0	4,000	29	2,245	17	0	0	0	0	0	0.00	0	0.00			
Misc	1,707	0	1,707	12	1,707	13	0	0	0	0	0	0.00	0	0.00			
Sub Total ==>	7,705	500	8,205	59	5,950	46	0	0	0	0	0	0.00	0	0.00			
Ceiling Load					Ceiling Load					Ceiling Load							
Ventilation Load	721	-721	0	0	721	6	0	0	0	-225	0	0.00	0	0.00			
Adj Air Trans Heat	0	0	-696	-5	0	0	0	0	0	0	0	0.00	0	0.00			
Dehumid. Ov Sizing	0	0	0	0	0	0	0	0	0	0	0	0.00	0	0.00			
Ov/Undr Sizing	0	0	0	0	0	0	0	0	0	0	0	0.00	0	0.00			
Exhaust Heat	0	0	0	0	0	0	0	0	0	0	0	0.00	0	0.00			
Sup. Fan Heat	0	0	0	0	0	0	0	0	0	0	0	0.00	0	0.00			
Ret. Fan Heat	0	0	0	0	0	0	0	0	0	0	0	0.00	0	0.00			
Duct Heat Pkup	0	0	0	0	0	0	0	0	0	0	0	0.00	0	0.00			
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0	0	0	0	0.00	0	0.00			
Supply Air Leakage	0	0	0	0	0	0	0	0	0	0	0	0.00	0	0.00			
Grand Total ==>	14,522	-3	13,824	100.00	12,847	100.00	0	0	0	-3,462	-7,978	100.00	0	0.00			

COOLING COIL SELECTION										AREAS				HEATING COIL SELECTION					
	Total Capacity		Sens Cap.	Coil Airflow	Enter	DB/WB/HR		Leave	DB/WB/HR		Gross	Total	Glass		Capacity	Coil Airflow	Ent	Lvg	
	ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb			ft²	(%)	MBh	cfm	°F	°F	
Main Clg	1.3	15.2	14.1	642	75.0	60.5	56.5	55.0	52.1	54.0	Floor	610			Main Htg	-3.5	642	70.0	74.9
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0			Aux Htg	0.0	0	0.0	0.0
Opt Vent	0.2	1.8	1.1	83	68.9	62.9	77.7	57.2	55.8	65.0	Int Door	0			Preheat	0.0	0	0.0	0.0
											ExFlr	0							
											Roof	0	0	0	Humidif	0.0	0	0.0	0.0
											Wall	434	60	14	Opt Vent	-4.5	83	20.5	70.0
											Ext Door	0	0	0	Total	-8.0			
Total	1.4	17.0																	