

AIR HANDLING UNIT

TAG NUMBER	LOCATION	MIXING BOX		SUPPLY FAN							RETURN/EXHAUST FAN					AIR COOLED CONDENSER FAN			HYDRONIC HEATING COIL					DX REFRIGERANT COIL				APPROX. WEIGHT (LBS)	MANUFACTURER TRANE MODEL	NOTES		
		MAX OSA CFM	MIN OSA CFM	AIRFLOW CFM	FAN TYPE	TSP (IN WG)	FAN RPM	MOTOR HP	VOLT/ PHASE	VFD	AIRFLOW CFM	FAN TYPE	TSP (IN WG)	FAN RPM	MOTOR HP	VOLT/ PHASE	VFD	QTY	FLA	VOLT/ PHASE	EAT (°F)	LAT (°F)	GPM	EWT (°F)	MIN WTD (°F)	COOLING					EFFICIENCY	
																										EAT (°F DB/WB)	LAT (°F DB/WB)				EER	IPLV
(E) ASU-1	ROOF	-	2,170	4,560	CENTRIFUGAL	1.8	1,040	5.0	460/3	-	-	-	1,040	3/4	460/3	-	2	1.6	460/1	39.0	58.0	6.3	180	30	83/64.4	57/54	11.3	12.1	1,880	TRANE TCD 151C	1	
(E) ASU-2	ROOF	-	4,800	10,000	CENTRIFUGAL	2.5	1,135	10.0	460/3	YES	7,400	CENTRIFUGAL	0.5	600	3.0	460/3	-	3	1.8	460/3	24.0	58.0	11.8	180	30	80/65	57/55	9.8	12.1	5,350	TRANE SLHF C25	1
(E) ASU-3	ROOF	-	6,040	15,500	CENTRIFUGAL	3.0	957	20.0	460/3	YES	14,500	CENTRIFUGAL	0.5	542	5.0	460/3	-	4	1.8	460/3	24.0	58.0	17.1	180	30	81/64.8	57/54.8	9.8	11.7	7,910	TRANE SLHF C40	1

GENERAL NOTES:
A. MINIMUM OSA CALCULATED BASED ON CODE AND ASHRAE STANDARD 62.
NOTES:
1. EXISTING VAV PACKAGED ROOFTOP UNIT

TERMINAL UNIT SCHEDULE

TAG NUMBER	LOCATION	SERVICE	TYPE	PRIMARY AIR				HYDRONIC COIL				FAN				MANUFACTURER & MODEL	NOTES
				INLET (IN)	MAX CFM	HEATING CFM	MIN CFM	MBH	EAT	LAT	GPM	CFM	ESP (IN. WG)	HP	VOLT/ PHASE		
(E) TU-1-1	CLASSROOM	CLASSROOM	FPS	10	1020	1020	630	27.9	65	89	1.9	1020	3/8	1/2	277/1	ENVIROTEC CFR	4,1
TU-1-2	COMPUTER	COMPUTER	FPS	14	1880	500	500	8.8	65	81	0.6	1880	3/8	1	277/1	TITUS TFS	1
TU-1-3	TECH LAB	STUDENT STORE	FPS	6	200	100	100	2.0	65	83	0.3	200	3/8	1/6	277/1	TITUS TFS	1
TU-1-4	TECH LAB	TECH LAB	FPS	10	1000	500	500	5.1	65	74	0.3	1000	3/8	1/2	277/1	TITUS TFS	1
(E) TU-1-6	MOP ROOM	JANITOR	FPS	8	600	600	600	16.3	58	80	1.1	600	3/8	1/4	277/1	ENVIROTEC CFR	4
(E) TU-2-7	CLASSROOM	ANIMAL	FPS	6	250	250	110	7.9	65	83	0.6	250	3/8	1/13	277/1	ENVIROTEC CFR	4
(E) TU-2-8	CIRCULATION	BREAK ROOM	FPS	12	700	690	210	14.8	65	85	1.0	700	3/8	(2) 1/2	277/1	ENVIROTEC CFR	4
(E) TU-2-9	CLASSROOM	CLASSROOM	FPS	12	1600	1600	610	22.5	67	80	1.5	1600	3/8	(2) 1/2	277/1	ENVIROTEC CFR	4
(E) TU-2-10	CLASSROOM	CLASSROOM	FPS	10	1200	1200	555	24.7	67	80	1.7	1200	3/8	1/2	277/1	ENVIROTEC CFR	4
(E) TU-2-11	CLASSROOM	CLASSROOM	FPS	10	900	900	615	14.7	65	86	1.0	900	3/8	1/2	277/1	ENVIROTEC CFR	4
(E) TU-2-12	CIRCULATION	CIRCULATION	FPS	8	440	440	340	9.1	61	80	0.6	440	3/8	1/6	277/1	ENVIROTEC CFR	4
(E) TU-2-13	CLASSROOM	CLASSROOM	FPS	8	700	700	510	11.4	65	80	0.8	700	3/8	1/4	277/1	ENVIROTEC CFR	4
(E) TU-2-14	CIRCULATION	RECEPTION	FPS	10	1090	950	220	20.6	65	85	1.4	1090	3/8	1/2	277/1	ENVIROTEC CFR	4
(E) TU-2-15	CIRCULATION	OFFICES	FPS	10	600	340	110	5.2	65	79	0.3	600	3/8	1/2	277/1	ENVIROTEC CFR	4
(E) TU-2-16	CIRCULATION	ELL, SP ED	FPS	10	1000	1000	305	14.1	67	80	1.0	1000	3/8	1/2	277/1	ENVIROTEC CFR	4
(E) TU-3-17	CIRCULATION	CLASSROOM	FPS	10	900	900	450	14.6	65	80	1.0	900	3/8	1/2	277/1	ENVIROTEC CFR	4
(E) TU-3-18	MEDIA CENTER	MEDIA CENTER	FPS	14	1930	1930	965	33.5	64	80	2.3	1930	3/8	1	277/1	ENVIROTEC CFRQ	4
(E) TU-3-19	MEDIA CENTER	MEDIA CENTER	FPS	14	1930	1930	965	33.5	64	80	2.3	1930	3/8	1	277/1	ENVIROTEC CFRQ	4
(E) TU-3-20	MEDIA CENTER	MEDIA CENTER	FPS	14	1930	1930	965	33.5	64	80	2.3	1930	3/8	1	277/1	ENVIROTEC CFRQ	4
(E) TU-3-21	CIRCULATION	CLASSROOM	FPS	10	1110	1110	450	21.7	66	84	1.5	1110	3/8	1/2	277/1	ENVIROTEC CFRQ	4
TU-2-40	CONFERENCE	CONFERENCE	FPS	6	330	280	90	6.1	65	85	0.4	330	3/8	1/6	277/1	TITUS TFS	1
TU-2-41	CIRCULATION	HEALTH	FPS	6	210	210	40	4.5	65	85	0.3	210	3/8	1/13	277/1	TITUS TFS	1
TU-3-42	CIRCULATION	MEETING A	FPS	6	300	70	70	1.3	65	83	0.3	300	3/8	1/13	277/1	TITUS TFS	1
TU-3-43	CIRCULATION	MEETING B	FPS	6	300	90	70	1.8	65	84	0.3	300	3/8	1/13	277/1	TITUS TFS	1

GENERAL NOTES:
A. PRIMARY AIR TEMPERATURE 55°F (SUMMER), 65°F (WINTER).
B. AIR PRESSURE DROP THROUGH TERMINAL UNIT TO BE NO GREATER THAN 0.25 IN. WG.
C. PROVIDE FAN-POWERED BOXES WITH EC MOTORS.
D. HYDRONIC HEATING COIL CAPACITY BASED ON 180°F ENTERING WATER TEMPERATURE AND 150°F LEAVING WATER TEMPERATURE.
NOTES:
1. CO2 SENSOR LOCATED ADJACENT TO THERMOSTAT.
2. OCCUPANCY SENSOR LOCATED WITHIN SPACE.
3. 3-WAY CONTROL VALVE ON REHEAT COIL.
4. EXISTING TERMINAL UNIT TO REMAIN.
KEY:
FPS = FAN POWERED SERIES BOX

SPLIT-SYSTEM AC UNITS (CONDENSER)

TAG NUMBER	LOCATION	SERVICE	AMBIENT TEMP (F)	ELECTRICAL		MINIMUM EFFICIENCY (S)EER	APPROX. WEIGHT (LBS.)	MANUFACTURER & MODEL	NOTES
				MCA	VOLTS/Ø				
ACCU-R01	ROOF	ACU-101	96	12	208/1	20.5	80	MITSUBISHI MUY	
ACCU-R01	ROOF	ACU-102	96	12	208/1	20.5	80	MITSUBISHI MUY	

GENERAL NOTES:
A. PROVIDE WITH TYPE 8 VIBRATION ISOLATION.
NOTES:
1. NONE

SPLIT-SYSTEM AC UNITS (EVAPORATOR)

TAG NUMBER	LOCATION	SERVICE	AIRFLOW (CFM)	COOLING CAPACITY (MBH)	ELECTRICAL		APPROX. WEIGHT (LBS.)	MANUFACTURER & MODEL	NOTES
					MCA	VOLTS/Ø			
ACU-101	MDF 298	MDF 298	645	12	1.00	208/1	30	MITSUBISHI MSY	
ACU-102	IDF 292	IDF 292	645	12	1.00	208/1	30	MITSUBISHI MSY	

GENERAL NOTES:
A. NONE
NOTES:
1. NONE

FAN SCHEDULE

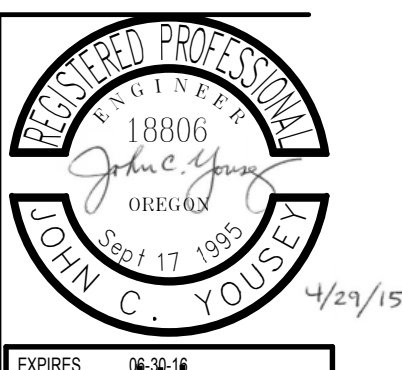
TAG NUMBER	LOCATION	SERVICE	TYPE	AIRFLOW				MOTOR			APPROX. WEIGHT (LBS)	MANUFACTURER & MODEL	NOTES
				HIGH CFM	LOW CFM	TSP (IN WG)	FAN RPM	HP	VOLT/ PHASE	VFD			
(E) EF-20	ROOF	207 MOP ROOM	DOWNBLAST	650	-	0.50	1210	1/4	120/1	-	-	GREENHECK GB-100	
(E) EF-21	ROOF	300 & 301 RESTROOMS	DOWNBLAST	1,000	-	0.50	929	1/4	120/1	-	-	GREENHECK GB-140	
(E) EF-23	ROOF	282 STORAGE	DOWNBLAST	750	-	0.50	1271	1/4	120/1	-	-	GREENHECK GB-100	
(E) EF-24	ROOF	272 & 273 RESTROOMS	DOWNBLAST	400	-	0.50	521	1/2	120/1	-	-	GREENHECK GB-240	1
(E) EF-28	ROOF	209 TOILET	CEILING	100	-	0.25	1100	53 W	120/1	-	-	GREENHECK SP-216	
(E) EF-30	ROOF	208 JANITOR	DOWNBLAST	1,000	-	0.50	929	1/4	120/1	-	-	GREENHECK GB-140	

GENERAL NOTES:
A. EXISTING FAN DATA TAKEN FROM EXISTING DRAWINGS AND LISTED FOR REFERENCE ONLY.
NOTES:
1. REBALANCE EXISTING FAN AND AIR INLETS AS INDICATED ON PLANS.

DESIGN CONDITIONS - EUGENE, OR

SPACE	WINTER		SUMMER	
	TEMPERATURE	HUMIDITY	TEMPERATURE	HUMIDITY
OUTDOOR	23.4° F DB	16.1° F DP / 12.6 HR / 26.9° F MCWB	91.7° F DB / 66.5° F MCWB	62.2° F DP / 84.8 HR / 74.6° F MCDB
INDOOR	70° F ± 2° F DB	50% RH MAX, NO MINIMUM	75° F ± 2° F DB	50% RH MAX, NO MINIMUM

GENERAL NOTES:
1. OUTDOOR CONDITIONS BASED ON ASHRAE FUNDAMENTALS 2013 99.6% AND 0.4% DATA.



Project Status
PERMIT/BID ISSUE

SCHEDULES - MECHANICAL
FERN RIDGE MIDDLE SCHOOL
INTERIOR ALTERATIONS

M6.1

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