

AIR HANDLING UNIT SCHEDULE - DX /HOT WATER

UNIT NO.	LOCATION	SERVICE	SUPPLY FAN		EXT. STATIC (In. WC)	TOTAL STATIC (In. WC)	FAN CHARACTERISTICS					MOTOR		TOTAL CAPACITY (MBH)		SENS CAPACITY (MBH)		EAT (DEG. F)		LAT (DEG. F)		FACE VEL (FPM)	ROWS	AIR P.D. (In. WC)	HEATING COIL (HOT WATER)								
			AIR FLOW (CFM)	MIN O.A. (CFM)			TYPE	FAN NO. & MIN DIA.	MAX BHP	FAN RPM	DRIVE	HP	STARTER	DB	WB	DB	WB	TYPE	CAPACITY (MBH)	AIR SIDE ENT. AIR TEMP. (DEG. F)	LVG. AIR TEMP. (DEG. F)				MAX. FACE VEL. (FPM)	AIR P.D. (In. WC)	WATER FLOW (GPM)	ENT. WATER TEMP. (DEG. F)	LVG. WATER TEMP. (DEG. F)	WATER P.D. (FL. HD)	FLUID		
AHU-01	MEZZANINE	VAV	4000	4000		6.05	PLENUM	1 & 16.5	6.1	2947	DIRECT	7.5	PACKAGED	196.99	123.8	83.00	70.00	54.81	54.66	527	8	1.29	STANDARD	117.13	51.00	78.00	501	0.16	5.87	140.00	100.00	0.45	WATER

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PREFILTER				FINAL FILTER				UNIT ELECTRICAL CHARACTERISTICS					MANUFACTURER & MODEL No.	REMARKS
WIDTH	MERV RATING	INITIAL P.D. (In. WC)	FINAL P.D. (In. WC)	WIDTH	MERV RATING	INITIAL P.D. (In. WC)	FINAL P.D. (In. WC)	VOLTS	PHASE	FLA	MCA	MOP		
2"	8	---	0.668	2"	13	---	0.841	480	3	9.8	12.25	20	TRANE CSAA008	

BOILER SCHEDULE - HOT WATER - CONDENSING - NATURAL GAS

UNIT NO.	LOCATION	SERVICE	TYPE	BOILER HP	MINIMUM INPUT MBH	MINIMUM OUTPUT MBH	MAXIMUM INPUT MBH	MAXIMUM OUTPUT MBH	GAS FIRING RATE (CFH)	MIN. GAS PRESSURE BEFORE REGULATOR (In. WC)	FLUID	ENT. WATER TEMP (DEG. F)	LVG. WATER TEMP (DEG. F)	FLOW RATE GPM (DESIGN/MIN.)	DESIGN P.D. (FL. HD)	MAX WORKING PRESSURE (PSI)	RELIEF VALVE SETTING (PSI)	MIN. EFF. REQ.		ELEC. CHARACTERISTICS					MANUFACTURER & MODEL NO.	REMARKS
																		EFF %	TEST PROC.	HP	VOLTS	HZ	PHASE	FLA		
B-1	PLBG/MECH/ELEC - 113	VAV HEATING LOOP	WATER TUBE		28.5	25.65	285	264		4.0	WATER	100	140	10		80	30	95	AFUE		120	60	1	1.8	LOCHINVAR KNIGHT WHB285N	

VAV - SINGLE DUCT - AIR TERMINAL UNIT SCHEDULE - HOT WATER REHEAT

UNIT NO.	SERVICE	MAX AIR FLOW (CFM)	MIN AIR FLOW (CFM)	MIN INLET PRESS AT MAX CFM (In. WC)	INLET SIZE (In.)	RAD N.C. AT 1" S.P.	DISCH N.C. AT 1" S.P.	REHEAT COIL		ENT. AIR TEMP (DEG. F)	LVG. AIR TEMP (DEG. F)	AIR P.D. (In. WC)	MAX FACE VEL. (FPM)	WATER SIDE		ENT. WATER TEMP (DEG. F)	LVG. WATER TEMP (DEG. F)	ROWS DEEP	FLUID	UNIT SIZE	MANUFACTURER & MODEL NO.	REMARKS
								CAPACITY (MBH)	AIR SIDE HEATING AIR FLOW (CFM)					WATER FLOW (GPM)	WATER P.D. (FL. HD)							
VAV-100		950	315	0.75	9	15	19	11.6	315	55	89	0.04	29.4	0.59	0.13	140	100	2	WATER	12	NAILOR D30RW	
VAV-101		210	65	0.75	5	15	20	3	65	55	97.6	0.01	7.8	0.15	0.01	140	100	2	WATER	8	NAILOR D30RW	
VAV-102		690	520	0.75	9	15	16	22.7	520	55	95.2	0.13	38.4	1.14	0.26	140	100	3	WATER	12	NAILOR D30RW	
VAV-104		545	265	0.75	9	15	15	7.3	265	55	95.7	0.01	18.6	0.37	0.05	140	100	2	WATER	12	NAILOR D30RW	
VAV-107		340	170	0.75	6	15	16	8.4	170	55	100.8	0.04	14.4	0.43	0.03	140	100	3	WATER	8	NAILOR D30RW	
VAV-109		200	90	0.75	6	15	18	3.9	90	55	94.5	0.01	9.6	0.19	0.01	140	100	2	WATER	8	NAILOR D30RW	
VAV-110		450	300	0.75	8	15	15	12/5	300	55	93.3	0.1	21	0.63	0.07	140	100	3	WATER	8	NAILOR D30RW	
VAV-113		150	45	0.75	5	15	19	2.2	45	55	100.9	0.0	6	0.11	0.0	140	100	2	WATER	8	NAILOR D30RW	
VAV-114		450	135	0.75	6	15	21	7.1	135	55	103.8	0.03	12	0.36	0.2	140	100	3	WATER	8	NAILOR D30RW	

AIR COOLED CONDENSER SCHEDULE

UNIT NO.	LOCATION	SERVES	CAPACITY TONS	REFRIGERANT	AMBIENT AIR TEMP. (DEG. F)	COILS ROWS	FIN SPACING (FIN/In.)	TOTAL FACE AREA (Sq. Ft.)	FANS NO. OF FANS	DIA. (In.)	SPEED (RPM)	TOTAL AIRFLOW (CFM)	MOTOR HP	PERFORMANCE REQUIRED (MBH/HP)	TEST PROCEDURE	ELEC CHARACTERISTICS KW	VOLTS	PHASE	MCA	I MCF	MOP	MANUFACTURER & MODEL No.	REMARKS
ACCU-01	GRADE	AHU-01	15	R410	95	1	23	44.31	2	28	1100	---	1 (EACH)	12.4	AHRI 460	14.7	460	3	34	45	45	TRANE TTA18044DAA	

UNIT HEATER SCHEDULE - GAS

UNIT NO.	LOCATION	TYPE	AIR SIDE		GAS		MIN. GAS PRESS BEFORE REGULATOR (In. WC)	EFFICIENCY		FAN MOTOR			MOUNTING HEIGHT (Ft.-In.)	THROW (Ft.)	MANUFACTURER & MODEL No.	REMARKS	
			AIR FLOW (CFM)	ENT. AIR TEMP. (DEG. F)	LVG. AIR TEMP. (DEG. F)	INPUT CAPACITY (MBH)		OUTPUT CAPACITY (MBH)	MIN (%)	TEST PROCEDURE	RPM	HP					VOLTS
UH-001	STORAGE - 001	SEALED COMBUSTION	505	70	114	30	24.6	6" - 7"	82	1550	1/15	208	1	10	25	MODINE HDS30	
UH-116	SHOP/STORAGE - 116	SEALED COMBUSTION	505	70	114	30	24.6	6" - 7"	82	1550	1/15	208	1	10	25	MODINE HDS30	
UH-119	SHOP - 119	SEALED COMBUSTION	505	70	114	30	24.6	6" - 7"	82	1550	1/15	208	1	10	25	MODINE HDS30	
UH-118A	VEHICLE STORAGE -118	SEALED COMBUSTION	505	70	114	30	24.6	6" - 7"	82	1550	1/15	208	1	10	25	MODINE HDS30	
UH-118B	VEHICLE STORAGE -118	SEALED COMBUSTION	505	70	114	30	24.6	6" - 7"	82	1550	1/15	208	1	10	25	MODINE HDS30	
UH-118C	VEHICLE STORAGE -118	SEALED COMBUSTION	2140	70	123	150	123	6" - 7"	82	1075	1/6	208	1	15	51	MODINE PTS150	
UH-118D	VEHICLE STORAGE -118	SEALED COMBUSTION	2140	70	123	150	123	6" - 7"	82	1075	1/6	208	1	15	51	MODINE PTS150	
UH-118E	VEHICLE STORAGE -118	SEALED COMBUSTION	2140	70	123	150	123	6" - 7"	82	1075	1/6	208	1	15	51	MODINE PTS150	
UH-118F	VEHICLE STORAGE -118	SEALED COMBUSTION	2140	70	123	150	123	6" - 7"	82	1075	1/6	208	1	15	51	MODINE PTS150	
UH-120A	VEHICLE MAINTENANCE - 120	SEALED COMBUSTION	2140	70	123	150	123	6" - 7"	82	1075	1/6	208	1	15	51	MODINE PTS150	
UH-120B	VEHICLE MAINTENANCE - 120	SEALED COMBUSTION	2140	70	123	150	123	6" - 7"	82	1075	1/6	208	1	15	51	MODINE PTS150	
UH-120C	VEHICLE MAINTENANCE - 120	SEALED COMBUSTION	2140	70	123	150	123	6" - 7"	82	1075	1/6	208	1	15	51	MODINE PTS150	
UH-122	PARTS STORAGE - 122	SEALED COMBUSTION	505	70	114	30	24.6	6" - 7"	82	1550	1/15	208	1	10	25	MODINE HDS30	
UH-126A	WASHBAY - 126	SEALED COMBUSTION	2140	70	123	150	123	6" - 7"	82	1075	1/6	208	1	15	51	MODINE PTS150	
UH-122B	WASHBAY - 126	SEALED COMBUSTION	2140	70	123	150	123	6" - 7"	82	1075	1/6	208	1	15	51	MODINE PTS150	

REMARKS:
1. UNIT HEATER IS PART OF ALTERNATE #3

PACKAGED ENERGY RECOVERY VENTILATION UNIT SCHEDULE - STATIC PLATE CORE HEAT EXCHANGER

UNIT NO.	LOCATION	SERVICE	MODE	SUPPLY FAN		EXHAUST FAN		ELECTRICAL CHARACTERISTICS				TOTAL EFF. (%)	PERFORMANCE CONDITIONS								MANUFACTURER & MODEL No.	REMARKS	
				AIR FLOW (CFM)	E.S.P. (In. WC)	AIR FLOW (CFM)	E.S.P. (In. WC)	VOLTS	PHASE	MCA	MOP		O.A.		R.A.		S.A.		E.A.				
													DB	WB	DB	WB	DB	WB	DB	WB			
ERV-001	STORAGE - 001	STORAGE - 001	SUMMER	110	0.35	110	0.35	120	1	---	---	69										REVEWAIRE EV130	
			WINTER									54											
ERV-116	SHOP - 116	SHOP - 116	SUMMER	80	0.60	80	0.60	120	1	---	---	73										RENEWAIRE EV130	
			WINTER									59											
ERV-118	VEHICLE STORAGE - 118	VEHICLE STORAGE - 118	SUMMER	900	1.28	900	1.33	208	1	7.7	15	70.6	88.9	73.9	75.0	62.5	79.0	67.9	---	---		RENEWAIRE HE1.5JINH	
			WINTER									55.7	9.0	6.1	70.0	51.4	53.5	40.9	---	---			
ERV-119	SHOP/SERVICE - 119	SHOP/SERVICE - 119	SUMMER	110	0.35	110	0.35	120	1	---	---	69										RENEWAIRE EV130	
			WINTER									54											
ERV-120	VEHICLE MAINTENANCE - 120	VEHICLE MAINTENANCE - 120	SUMMER	250	1.21	250	1.18	208	1	4.9	15	65.0	89.9	73.9	75.0	62.5	78.2	66.8	---	---		RENEWAIRE EV450JIN	
			WINTER									76.9	9.0	6.1	75.0	51.4	57.1	43.3	---	---			
ERV-122	PARTS STORAGE - 122	PARTS STORAGE - 122	SUMMER	100	0.5	100	0.5	120	1	---	---	65.0										RENEWAIRE EV450JIN	
			WINTER									76.9											
ERV-126	WASHBAY - 126	WASHBAY- 126	SUMMER	100	0.5	100	0.5	120	1	---	---	69										RENEWAIRE EV130	
			WINTER									54											

REMARKS:
1. ERV IS PART OF ALTERNATE #3

FAN SCHEDULE

UNIT NO.	LOCATION	SERVICE	FAN CHARACTERISTICS					MOTOR CHARACTERISTICS										MANUFACTURER & MODEL NO.	REMARKS
			TYPE	BLADE TYPE	CFM	S.P. (In. WC)	MAX. BHP	FAN RPM	MAX. TIP SPEED (FPM)	SONES	DRIVE	RPM	HP	VOLTS	HZ	PHASE	STARTER		
DSF-118A	VEHICLE STORAGE - 118	VEHILCE STORAGE - 118	HVLS	PROP	670	---	---	1590	---	40.8 (Dba)	DIRECT	1590	1/4	277	60	1	MANUAL	ZOO FAN H30-AC	
DSF-118B	VEHICLE STORAGE - 118	VEHICLE STORAGE - 118	HVLS	PROP	670	---	---	1590	---	40.8 (Dba)	DIRECT	1590	1/4	277	60	1	MANUAL	ZOO FAN H30-AC	
DSF-118C	VEHICLE STORAGE - 118	VEHICLE STORAGE - 118	HVLS	PROP	670	---	---	1590	---	40.8 (Dba)	DIRECT	1590	1/4	277	60	1	MANUAL	ZOO FAN H30-AC	
DSF-120A	VEHICLE MAINTENANCE - 120	VEHICLE MAINTENANCE - 120	HVLS	PROP	670	---	---	1590	---	40.8 (Dba)	DIRECT	1590	1/4	277	60	1	MANUAL	ZOO FAN H30-AC	
DSF-120B	VEHICLE MAINTENANCE - 120	VEHICLE MAINTENANCE - 120	HVLS	PROP	670	---	---	1590	---	40.8 (Dba)	DIRECT	1590	1/4	277	60	1	MANUAL	ZOO FAN H30-AC	
DSF-126	WASHBAY - 126	WASHBAY - 126	HVLS	PROP	670	---	---	1590	---	40.8 (Dba)	DIRECT	1590	1/4	277	60	1	MANUAL	ZOO FAN H30-AC	
EF-103	TLT. RM - 103	TLT. RM - 103	INLINE	BI	100	0.26	---	950	---	0.6	DIRECT	---	17 (W)	120	60	1	MANUAL	GREENHECK SP-A110	
EF-111	MENS LOCKER - 111	RM 110 & RM 111	INLINE	BI	450	0.68	0.13	1725	4911	9.2	DIRECT	1725	1/6	208	60	1	MANUAL	GREENHECK SQ-95-VG	
EF-117	ELECTRICAL RM. - 117	ELECTRICAL RM. - 117	INLINE	BI	100	0.26	---	950	---	0.6	DIRECT	---	17 (W)	120	60	1	MANUAL	GREENHECK SP-A110	
EF-118A	VEHICLE STORAGE - 118	VEHICLE STORAGE - 118	INLINE	BI	7000	1.0	2.28	1688	9831	25	DIRECT	1800	5	208	60	3	COMBO	GREENHECK SQ-18-07-0700-VG	
EF-118B	VEHICLE STORAGE - 118	VEHICLE STORAGE - 118	INLINE	BI	7000	1.0	2.28	1688	9831	25	DIRECT	1800	5	208	60	3	COMBO	GREENHECK SQ-18-07-0700-VG	
EF-120	VEHICLE MAINTENANCE - 120	VEHICLE MAINTENANCE - 120	INLINE	BI	3500	0.75	1.05	1428	6263	17.1	DIRECT	1725	2	208	60	3	COMBO	GREENHECK SQ-160-VG	
EF-123	TLT. RM - 123	TLT. RM - 123	INLINE	BI	100	0.256	---	950	---	0.6	DIRECT	---	17 (W)	120	60	1	MANUAL	GREENHECK SP-A110	
EF-124	FLUIDS - 124	FLUID - 124	INLINE	BI	175	0.75	0.15	1693	4958	13.2	DIRECT	1725	1/4	208	60	1	MANUAL	GREENHECK SQ-97-VG	
EF-126	WASHBAY - 126	WASHBAY - 126	INLINE	BI	1200	0.17	0.3	1481	5088	9.3	DIRECT	1725	1/2	208	60	3	COMBO	GREENHECK SQ-120-VG	
EF-200	COMPRESSOR - 200	COMPRESSOR - 200	PROP	PROP	150	0.25	0.03	888	4676	7.4	DIRECT	1450	1/4	120	60	1	MANUAL	GREENHECK AER-E20C-600-VG	