

HEAT EXCHANGER PERFORMANCE SCHEDULE														BASIS OF DESIGN: ALFA LAVAL, TACO				
TAG	TOTAL MBH	LMTD (°F)	DIMENSIONS (LxWxH)	WEIGHT (LBS)	SURFACE (SQFT)	DESIGN TEMP (°F)	DESIGN PRESS (PSI)	SIDE	FLUID	FLOW RATE	INLET TEMP (°F)	OUTLET TEMP (°F)	PLATE MATERIAL	PRESSURE DROP (PSI)	PRESSURE DROP (FTWG)	INLET PIPE SIZE (IN)	OUTLET PIPE SIZE (IN)	MODEL
HEX-1	1612	4.0	51"x19"x43"	1500	463	150.0	150.0	HOT	WATER	320.0	98.0	88.0	TYPE 304 S.S.	2.9	-	4	4	AQ4-FG
								COLD	WATER	210.0	83.0	95.0	TYPE 304 S.S.	2.1	-	4	4	
HEX-2	295.4	31.3	122"x4.9"x9.8"	34.8	31.6	150.0	150.0	HOT	WATER	30.0	150.0	130.0	TYPE 304 S.S.	1.1	-	1 1/4	1 1/4	TMPN5X12-100(1-1/4)MPT)
								COLD	WATER	45.8	102.0	115.0	TYPE 304 S.S.	4.0	-	1 1/4	1 1/4	
HEX-3	295.4	31.3	122"x4.9"x9.8"	34.8	31.6	150.0	150.0	HOT	WATER	30.0	150.0	130.0	TYPE 304 S.S.	1.1	-	1 1/4	1 1/4	TMPN5X12-100(1-1/4)MPT)
								COLD	WATER	45.8	102.0	115.0	TYPE 304 S.S.	4.0	-	1 1/4	1 1/4	

FAN PERFORMANCE SCHEDULE													
TAG	AIRFLOW LOW/HIGH (CFM)	T.S.P (IN.WG)	NOISE (SONES)	RPM	DRIVE	ELECTRICAL REQUIREMENTS					BASIS OF DESIGN - GREENHECK		
						HP	BHP	WATTS	AMPS	V/PH/Hz	SERVICE	ARRANGEMENT	MODEL
EF-1	550	0.75	9.4	1140	DIRECT	-	1/2	-	9.8	120/1160	FUTURE DISHWASHER	CENTRIFUGAL	SFD-9-B
EF-2	100	-	-	-	-	-	-	-	-	-	DISHWASHER	CENTRIFUGAL	-
EF-3	150	-	-	-	-	-	-	-	-	-	BATHROOM	CEILING	-
EF-4	500	-	-	-	-	-	-	-	-	-	MARKET	CENTRIFUGAL	-
EF-P	600	0.5	6.2	1125	DIRECT	-	1/4	-	3.9	120/1160	POOL EXHAUST	INLINE	SQ-100-VG
EF-T	80	0.25	0.6	900	DIRECT	-	-	12.5	0.071	120/1160	BATHROOMS	CEILING	(F) FV-08VF2
EF-KH1-2	5500	1.0	18.9	1125	BELT	3	2	-	208/360	208/360	KITCHEN HOODS	ROOF	CUBE-220-3D
EF-TE1	241	0.49	1.5	1550	DIRECT	1/2	0.05	-	-	115/1160	BATHROOMS	ROOF	CUE-080-D
EF-TE2-3	1600	0.5	9.2	1125	DIRECT	1/2	0.33	-	-	115/1160	BATHROOMS	ROOF	GB-141-5
EF-TE3	465	0.54	1.5	1550	DIRECT	1/15	0.09	-	-	115/1160	BATHROOMS	ROOF	CUE-090-D
EF-TE4-5	3200	0.5	10.1	1125	DIRECT	3/4	0.61	-	-	115/1160	BATHROOMS	ROOF	GB-200-1
EF-TE5	1350	0.5	12.1	1125	DIRECT	1/3	0.21	-	-	115/1160	BATHROOMS	ROOF	CUBE-121-3
EF-TE6	946	0.7	11.6	1125	DIRECT	1/3	0.25	-	-	115/1160	BATHROOMS	ROOF	CUE-099-A
EF-TE1	1010	0.5	12.0	1125	DIRECT	1/4	0.25	-	-	115/1160	BATHROOMS	ROOF	CUE-099-A
EF-TE8	615	0.5	8.5	1125	DIRECT	1/6	0.13	-	-	115/1160	BATHROOMS	ROOF	CUE-095-VG
EF-M1	650	0.5	5.3	1125	DIRECT	1/4	0.12	-	-	115/1160	VENDING	ROOF	GB-101-4
EF-EL	262	0.25	4.6	1550	DIRECT	1/30	0.03	-	-	115/1160	ELEVATORS	ROOF	G-070-D

EF-P SHALL BE EPOXY COATED.
Notes "EF-T" represents multiple units. Verify quantities with Drawings. "EF-T" shall have ceiling fire dampers.

SPLIT-SYSTEM CONDENSING UNIT PERFORMANCE SCHEDULE														* - AT ARI CONDITIONS OF 95°F AMBIENT, 80°F/61°F INDOOR ** - AT ARI CONDITIONS OF 41°F AMBIENT, 10°F/60°F INDOOR			
TAG	TOTAL COOLING (MBH)	TOTAL HEATING (MBH)	REFRIGERANT	MINIMUM COOLING TEMP (°F)	MINIMUM HEATING TEMP (°F)	FOOTPRINT DIM (IN) (LxWxH)	OPERATING WEIGHT (LBS)	ELECTRICAL REQUIREMENTS				BASIS OF DESIGN - MITSUBISHI					
								MCA	MAX FUSE	V/PH/Hz	COMP. STAGING	SOUND (BEL)	SERVICE	MODEL			
SCU-1	30.0	32.0	R-410A	0	-	38x14x54	265	28.0	40.0	208/1160	0.40-100	53	SAC-1	FUYA-30NHA4			
SCU-2	30.0	32.0	R-410A	0	-13°F	38x14x54	265	28.0	40.0	208/1160	0.40-100	53	SAC-2	FUZ-HA30NHA4			
SCU-3	30.0	32.0	R-410A	0	-	38x14x54	265	28.0	40.0	208/1160	0.40-100	53	SAC-3	FUYA-30NHA4			

UNIT HEATER PERFORMANCE SCHEDULE														HEATING PERFORMANCE BASED ON 1000 BTU/CF NG			
TAG	OUTPUT (MBH)	FLOW RATE (GPM)	W.P.D (FT.WG)	AIRFLOW (CFM)	ROWS	MTG. HT.	ELECTRICAL REQUIREMENTS			BASIS OF DESIGN: Reznor							
							HP	WATTS	V/PH/Hz	SERVICE	ARRANGEMENT	MODEL					
UHI	49.8	-	-	769	-	9'-0"	0.03	-	120/1160	-	HORIZONTAL	UDAP 60					

SPLIT-SYSTEM HEAT PUMP PERFORMANCE SCHEDULE																	
TAG	TOTAL COOLING (MBH)	TOTAL HEATING (MBH)	AIRFLOW (CFM)	MOISTURE REMOVAL (PINTS/HR)	COND. DRAIN (IN)	SEER RATING (BTU/WATT)	SOUND RATING (DB)	WEIGHT (LBS)	REFRIGERANT PIPE SIZE (IN)		ELECTRICAL REQUIREMENTS				BASIS OF DESIGN - MITSUBISHI		
									LIQUID	GAS	MCA	MAX FUSE	V/PH/Hz	SERVICE	ARRANGEMENT	MODEL	
SAC-1	30.0	32.0	750	8.9	1-1/4"	16.5	39	73	3/8"	5/8"	2.13	-	208/1160	ELECTRICAL	-	PEAD-A30AA4	
SAC-2	30.0	32.0	750	8.9	1-1/4"	16.5	39	73	3/8"	5/8"	2.13	-	208/1160	VALET BOOTH	-	PEAD-A30AA4	
SAC-3	30.0	32.0	750	8.9	1-1/4"	16.5	39	73	3/8"	5/8"	2.13	-	208/1160	COMP/COMM.	-	PEAD-A30AA4	

GAS BOILER PERFORMANCE SCHEDULE														* BASED ON D.O.E. (DEPT. OF ENERGY) TEST PROCEDURE			
TAG	INPUT (MBH)	HEATING CAPACITY (MBH)	PRESS. DROP (FT HD)	FUEL	EFF. (%)	INTAKE VENT(IN)	ELECTRICAL REQUIREMENTS			BASIS OF DESIGN - HYDROTHERM KN SERIES							
							AMP	WATTS	V/PH/Hz	SERVICE	MODEL						
B-1	1000	921	-	NAT GAS	92.1	6"	10.0	-	120/1160	HU5/R	KN-10						
B-2	1000	921	-	NAT GAS	92.1	6"	10.0	-	120/1160	HU5/R	KN-10						
B-3	1000	921	-	NAT GAS	92.1	6"	10.0	-	120/1160	HU5/R	KN-10						

COOLING TOWER PERFORMANCE SCHEDULE													
TAG	FLOW RATE (GPM)	E.W.T. (DEG. F)	L.W.T. (DEG. F)	DESIGN W.B. (DEG. F)	HEAT REJECTION (MBH)	ELECTRICAL REQUIREMENTS				BASIS OF DESIGN - MARLEY AQUATOWER			
						FAN HP	BASIN HTR KW	V/PH/Hz	SERVICE	SOUND (DBA)	WT (LBS)	MODEL	
CT-1	2100	100.0	88.0	74.0	1613	4.0	4.5	208/3160	LUS/R	65	8400	495K	

PROVIDE WITH LOW SOUND FAN, ELECTRICALLY HEATED BASIN, VFD FAN MOTOR.

MAKE-UP AIR HANDLER PERFORMANCE SCHEDULE														BASIS OF DESIGN - GREENHECK																			
TAG	AIRFLOW (CFM)	MIN.O.A. (CFM)	FAN	T.S.P (IN.WG)	E.S.P (IN.WG)	FUEL	RPM	HEATING				COOLING				ELECTRICAL REQUIREMENTS				WEIGHT (LBS)	SERVICE	MODEL											
								E.D.B. (°F)	L.D.B. (°F)	INPUT CAP (MBH)	OUTPUT CAP (MBH)	E.D.B. (°F)	E.W.B. (°F)	TOT CAP (MBH)	SEN CAP (MBH)	HP	BHP	VFD	MCA				LRA	MOCP	VOLTAGE								
MUA-1	5000	5000	SUPPLY	1.8	.75	NAT GAS	1002	-1.0	81.0	452.0	415.8	N/A	N/A	N/A	N/A	5	3.32	N	22.8	-	35.0	208/3160	818	KH-1	DG-115-H20	101	91	81	80	78	75	72	64
MUA-2	5000	5000	SUPPLY	1.8	.75	NAT GAS	1002	-1.0	81.0	452.0	415.8	N/A	N/A	N/A	N/A	5	3.32	N	22.8	-	35.0	208/3160	818	KH-2	DG-115-H20	101	91	81	80	78	75	72	64

PROVIDE WITH 25-1 MODULATING GAS HEAT, ROOM OVERRIDE SENSOR.

AIR DEVICE PERFORMANCE SCHEDULE													
TAG	PANEL SIZE (IN)	NECK SIZE (IN)	AIRFLOW (CFM)	SP LOSS (IN.WG)	THROW (L)	Nc	BASIS OF DESIGN - PRICE						
							DUCT CONN.(IN)	PATTERN	MODEL				
S1	-	12x6	50-350	0.10	-	-	SEE DWGS	SEE DWGS	RCG				
S2	-	12x12	300-500	0.10	-	-	SEE DWGS	SEE DWGS	RCG				
S3	-	16x8	500	0.10	-	-	SEE DWGS	SEE DWGS	RCG				
S4	-	8x8	300	0.10	-	-	SEE DWGS	SEE DWGS	PPD?				
S5	-	6x6	50-120	0.10	-	-	SEE DWGS	SEE DWGS	SMX-FR				
S11	-	6x6	40-125	0.10	-	-	SEE DWGS	SEE DWGS	SMX-FR				
S12	-	9x9	150-300	0.10	-	-	SEE DWGS	SEE DWGS	SMX-FR				
S13	-	12x12	350-500	0.10	-	-	SEE DWGS	SEE DWGS	SMX-FR				
E1	-	6x6	50-100	0.03	-	-	SEE DWGS	¾", 45"	60D				
E2	-	12x12	150-450	0.03	-	-	SEE DWGS	¾", 45"	60D				
E10	-	6x6	50	0.03	-	-	SEE DWGS	¾", 45"	60D				
R1	-	12x12	400	-	-	-	SEE DWGS	¾", 45"	60D				
R2	-	18x18	700	-	-	-	SEE DWGS	¾", 45"	60D				
R3	-	24x24	1100	-	-	-	SEE DWGS	¾", 45"	60D				
R4	-	6x6	65-120	-	-	-	SEE DWGS	¾", 45"	60D				
R5	-	30x30	1800	0.03	-	-	SEE DWGS	¾", 45"	60D				
R6	-	24x60	3000	-	-	-	SEE DWGS	¾", 45"	60D				
R1	-	18x48	2000	-	-	-	SEE DWGS	¾", 45"	60D				

PROVIDE WITH ADJUSTABLE VOLUME DAMPERS, CEILING GRILLES AND DIFFUSERS SHALL HAVE CEILING RADIATION DAMPERS (CRD).

EXPANSION TANK PERFORMANCE SCHEDULE									
TAG	TANK VOLUME (GAL)	ACCEPTANCE VOLUME (GAL)	MIN. REQ'D. ACCEPT.VOL. (GAL)	MAX. WORK'G. TEMPERATURE (DEG F)	MAX. WORK'G. PRESSURE (PSI)	WEIGHT (LBS)	BASIS OF DESIGN - TACO		
							MOUNTING	SERVICE	MODEL
ET-1	158.0	158.0	144.0	240	125	1800	FLOOR	LUS/R	CA-600

AIR SEPARATOR PERFORMANCE SCHEDULE									
TAG	FLOW RATE (GPM)	W.P.D (PSI)	CV FACTOR	STRAINER (Y) OR (N)	MAX. WORK'G. TEMPERATURE (DEGREES F)	MAX. WORK'G. PRESSURE (PSI)	BASIS OF DESIGN - TACO		
							SERVICE	PIPE SIZE (IN)	MODEL
AS-1	320.0	0.5	-	N	210	150	LUS/R	5"	4905HAD

LOUVER PERFORMANCE SCHEDULE													
TAG	AIR FLOW (CFM)	SP LOSS (IN.WG)	AIR VEL. (FFM)	SIZE (INCHES) (W x H)	FREE AREA (SQFT)	DRAINABLE (Y) OR (N)	BLADE ANGLE & FRAME DEPTH	BASIS OF DESIGN - RUSKIN					
								SERVICE	MODEL				
L-1	350	0.01	200	24x16	121	Y	35°, 6"	PDH-1, O.A.	ELF6315DX				
L-2	450	0.02	311	24x16	121	Y	35°, 6"	EF-P, E.A.	ELF6315DX				
L-3	550	0.03	453	24x16	121	Y	35°, 6"	EF-1	ELF6315DX				
L-4	700	0.05	511	24x16	121	Y	35°, 6"	EF-2	ELF6315DX				
L-5	150	0.01	123	24x16	121	Y	35°, 6"	EF-3	ELF6315DX				
L-6	500	0.03	412	24x16	121	Y	35°, 6"	EF-4	ELF6315DX				
L-L	3300	0.10	641	60x24	51	Y	35°, 6"	LAUNDRY MJA	ELF6315DX				

LINEAR SLOT DIFFUSER PERFORMANCE SCHEDULE													
TAG	SIZE (INCHES)	AIRFLOW (CFM)	TP LOSS (IN. WG.)	THROW (FEET)	NC	FRAME STYLE	PATTERN	BASIS OF DESIGN - PRICE					
								NO. OF SLOTS	SLOT WIDTH	INLET	MODEL		
LD-1	48	150	0.10	6-12-19	18	T-BAR w/ PLENUM	ADJUST.	2	1"	6"	SDS100		
LD-2	48	320	0.10	8-14-25	20	T-BAR w/ PLENUM	ADJUST.	4	1"	8"	SDS100		
LD-3	48	410	0.10	14-21-30	30	T-BAR w/ PLENUM	ADJUST.	4	1"	10"	SDS100		