

AIR HANDLING UNIT SCHEDULE						
MECHANICAL DATA						
MARK	SERVICE / LOCATION	SUPPLY FAN	HEATING COIL	DX COOLING COIL	FILTERS	SEE NOTES
AHU-1	LEVEL 1 / EAST	SF-1	EDH-1 THRU EDH-9	CC-1	F-1	1
AHU-2	LEVEL 1 / WEST	SF-2	EDH-10 THRU EDH-13	CC-2	F-2	1

1. HEATING COIL IS NOT INCLUDED, THE AHU SYSTEM HAS REHEAT COILS ON ALL ZONES, DOWNSTREAM OF THE AHU.

DX COOLING COIL SCHEDULE														
MECHANICAL DATA														
MARK	SERVICE	SCFM	REFRIG TYPE	AIR DATA				MAX PD (IN)	FACE VEL (FPM)	NOMINAL CAPACITY		COIL FACE AREA	SEE NOTE	MAX ROWS/ (FIN/FT)
				EAT (F)	WB	DB	WB			SENS (MBH)	TTL (MBH)			
CC-1	AHU-1	6000	R-410A	77.5	67.9	60.4	59.6	0.8	370	123.5	185.5	16.3	1,2,3,4,5	6/10
CC-2	AHU-2	5000	R-410A	76.7	67.2	59.9	59.0	0.8	310	96.5	153.5	16.3	1,2,3,4,5	6/10

1. PROVIDE REMOTE FILTER HOUSING  
 2. COOLING CAPACITIES TO BE RATED IN ACCORDANCE WITH AHRI STANDARD 210/290  
 3. INSTALL UNITS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.  
 4. PROVIDE SINGLE POINT POWER CONNECTION.  
 5. PROVIDE PROGRAMMABLE 7/24 THERMOSTAT WITH LOCKABLE COVER.

PACKAGED TERMINAL AIR CONDITIONER									
MECHANICAL DATA									
MARK	SERVES	SENS. COOLING MBH	TOTAL COOLING MBH	HEATING MBH	TOTAL MIN. CIRC. AMPS	TOTAL MAX. FUSE SIZE	VOLT / PHASE	DISC. SW BY	COMMENTS
PTAC-A	GUEST ROOMS	6.5	8.9	6.8	14.2	15	208/1	E	2.5 KW HEAT
PTAC-B	GUEST ROOMS	8.0	11.8	6.8	14.2	15	208/1	E	2.5 KW HEAT

VERTICAL TERMINAL AIR CONDITIONER									
MECHANICAL DATA									
MARK	SERVES	SENS. COOLING MBH	TOTAL COOLING MBH	HEATING MBH	TOTAL MIN. CIRC. AMPS	TOTAL MAX. FUSE SIZE	VOLT / PHASE	DISC. SW BY	COMMENTS
VTAC-A	GUEST ROOMS-HALL	6.5	8.9	7.7	17	20	208/1	E	2.25 KW HEAT

WATER SOFTENER SCHEDULE									
MARK	GPG HARDNESS	PEAK FLOW		CONTINUOUS FLOW		CAPACITY		NO. OF RESIN TANKS	CU FT RESIN (EA TANK)
		GPM	PSI DROP	GPM	PSI DROP	GRAINS	LBS SALT		
WS-1		424	25	316	15		760	2	15

GAS WATER HEATER SCHEDULE							
MECHANICAL DATA							
MARK	SERVICE / LOCATION	CAPACITY GALLONS	RECOVERY GPH	TEMP RISE (F)	GAS INPUT MBH	FLUE SIZE IN/OUT	SEE NOTE
WH-1	BUILDING / 100.11	130	349	100	300	4/4	
WH-2	BUILDING / 100.11	130	349	100	300	4/4	
WH-3	BUILDING / 100.11	130	349	100	300	4/4	

PLUMBING FIXTURE MINIMUM PIPE SIZE SCHEDULE						
FIXTURE	DESCRIPTION	CW (IN)	HW (IN)	W (IN)	V (IN)	COMMENTS
P-1	WATER CLOSET - ADA	1	-	4	2	FLOOR SET, TANK TYPE
P-1A	WATER CLOSET - ADA	1	-	4	2	FLOOR SET, TANK TYPE
P-3	LAVATORY - ADA	1/2	1/2	*1-1/2	1-1/2	COUNTERTOP
P-3A	LAVATORY - ADA	1/2	1/2	*1-1/2	1-1/2	COUNTERTOP
P-3B	LAVATORY - ADA	1/2	1/2	*1-1/2	1-1/2	WALL MOUNTED
P-4	SINK	1/2	1/2	*1-1/2	1-1/2	STAINLESS STEEL KITCHEN TYPE
P-5	SERVICE SINK	1/2	1/2	2	1-1/2	FLOOR TYPE
P-6	ELECTRIC WATER COOLER-ADA	1/2	1/2	*1-1/2	1-1/2	HI/LOW ONE WILL BE ADA
P-6A	ELECTRIC WATER COOLER-ADA	1/2	1/2	*1-1/2	1-1/2	SINGLE UNIT
P-7	SHOWER	1/2	1/2	*1-1/2	1-1/2	-
P-7A	SHOWER	1/2	1/2	*1-1/2	1-1/2	-
P-8	TUB	1/2	1/2	*1-1/2	1-1/2	-
P-12	EMERGENCY EYE WASH	1/2	1/2	-	-	PROVIDE MIXING VALVE & TEMPERED WATER TO EMER. EYE WASH

\* - MINIMUM PIPE SIZE FOR UNDERGROUND WASTE PIPE TO BE 2".

ELECTRICAL DATA KEY			
STARTER	Control	REMOTE CONTROL	BY
AT	Auto Transformer	HLO High - Low - Off	A
CS/CB	Combination Starter with Circuit Breaker	HLOA High - Low - Off - Auto	BAS
CS/FPD	Combination Starter with Fused Disconnect	Hand - Off - Auto	CON
CS/MCP	Combination Motor Starter with Motor Circuit Protector	Hand - Off - Auto	FS
MAG	Magnetic Full Voltage Non-Reversing	Reset Only	NC
MAN	Manual	On - Off Selector Switch	NO
MSS	Motor Starter Switch	PE Pneumatic Electric Switch	PE
PW	Part Winding	Pressure Switch	PS
REV	Reversing	RT Reverse-acting Thermostat	RT
SSU	Switch and Fuse	T Thermostat	T
TOG	Toggle	TC Timeclock	TC
VFD	Variable Frequency Drive	S Sensor	S
WD	Wye Delta	SPL Special (See Spec.)	SPL
2SZW	Two Speed (Two Winding)		
2S	Two Speed (Single Winding)		

CONDENSING UNIT SCHEDULE																									
MECHANICAL DATA																									
MARK	SERVICE / LOCATION	MBH CAP	REFRIGERANT			COMPRESSOR		CONDENSER FAN			VIBR ISOL TYPE	SEE NOTE	ELECTRICAL DATA		STARTER					REMOTE CONTROL		DISC SW BY	SEE NOTE		
			TYPE	SUCT TEMP (F)	AMB. TEMP (F)	NO	RLA (E.A)	NO	F.L.A. (E.A)	TOTAL MIN CIRC AMPS			TOTAL MAX FUSE SIZE	VOLT / PHASE	TYPE	CNTRL	PILOT	AUX	BY	TYPE	BY			CONN BY	
CU-1.0	AHU-1 / GRADE	180	R410A	45	95	2	25.8	2	5	-	-	14.7	20	208/3	VFD	HOA	G	2	M	T	M	M	E	E	1
CU-1.1	AC-1.1 / GRADE	17.5	R410A	45	95	1	7.0	1	0.50	-	-	14.7	20	208/1	MAG	HOA	G	2	M	T	M	M	E	E	1
CU-1.3	AHU-2 / GRADE	150	R410A	45	95	2	22.4	1	5	-	-	14.7	20	208/3	VFD	HOA	G	2	M	T	M	M	E	E	1
CU-2.1	AC-2.1 / GRADE	17.5	R410A	45	95	1	7.0	1	0.50	-	-	14.7	20	208/1	MAG	HOA	G	2	M	T	M	M	E	E	1

1. ELECTRICAL CONTRACTOR SHALL PROVIDE ALL CIRCUITING REQUIRED BETWEEN CONDENSING UNIT AND EVAPORATOR UNIT.

ELECTRIC DUCT HEATER SCHEDULE																		
MECHANICAL DATA																		
MARK	SERVICE / LOCATION	SCFM	EAT (F)	LAT (F)	MAX PD (IN)	DUCT SIZE (IN)	COIL KW	VOLT / PHASE	CONTACTOR			REMOTE CONTROL					DISC SW BY	SEE NOTE
									STAGES	CONTROL VOLTAGE	BY	TYPE	BY	CONN BY				
EDH-1	UNSEX R3, BREAK ROOM	260	55	80	0.1	10x6	1.4	208/1	SCR	24	M	T	M	M	E	E	1	
EDH-2	GENERAL MANAGER	240	55	81	0.1	10x6	1.2	208/1	SCR	24	M	T	M	M	E	E	1	
EDH-3	LAUNDRY	540	55	80	0.1	12x10	2.8	208/1	SCR	24	M	T	M	M	E	E	1	
EDH-4	SALES/OFFICES	720	55	80	0.1	12x12	3.7	208/1	SCR	24	M	T	M	M	E	E	1	
EDH-5	BREAKFAST	650	55	80	0.1	12x10	3.3	208/1	SCR	24	M	T	M	M	E	E	1	
EDH-6	PANTRY	780	55	80	0.1	16x10	4.0	208/1	SCR	24	M	T	M	M	E	E	1	
EDH-7	HALLWAY/ HSKG	410	55	80	0.1	10x10	2.1	208/1	SCR	24	M	T	M	M	E	E	1	
EDH-8	LOBBY/ GREATROOM	1000	55	83	0.1	18x10	5.8	208/1	SCR	24	M	T	M	M	E	E	1	
EDH-9	LOBBY/ GREATROOM	1000	55	83	0.1	18x10	5.8	208/1	SCR	24	M	T	M	M	E	E	1	
EDH-10	BUSINESS CENTER/ HALL	1780	55	83	0.1	20x14	10.2	208/1	SCR	24	M	T	M	M	E	E	1	
EDH-11	MEETINGS/ LOBBY	1290	55	83	0.1	18x12	7.3	208/1	SCR	24	M	T	M	M	E	E	1	
EDH-12	LAUNDRY	400	55	80	0.1	12x8	2.1	208/1	SCR	24	M	T	M	M	E	E	1	
EDH-13	FITNESS CENTER	1530	55	80	0.1	24x12	7.8	208/1	SCR	24	M	T	M	M	E	E	1	

1. INSTALL HEATERS IN ACCORDANCE WITH MANUFACTURER'S AND NFPA RECOMMENDATIONS.

PUMP SCHEDULE																								
MECHANICAL DATA																								
MARK	SERVICE / LOCATION	GPM	TYPE	HEAD		CONN SIZE			VIBR ISOL TYPE	SEE NOTE	ELECTRICAL DATA		STARTER					REMOTE CONTROL		DISC SW BY	SEE NOTE			
				DESIGN	50%	SHUT OFF	SUCT. (IN)	DISCH. (IN)			MOTOR RPM	HP FLA	VOLT / PHASE	TYPE	CNTRL	PILOT	AUX	BY	TYPE			BY	CONN BY	
RCP-1	DOMESTIC RECIRC.	20	INLINE	50	-	-	1-1/2	1-1/2	1725	-	1	3	208/3	MAG	HOA	G	2	M	A	M	M	E	E	1
DWP-1	DOMESTIC WATER	110		60	-	-	2	2	3600	-	1	3	208/3	MAG	HOA	G	2	M	FS	M	M	E	E	1
DWP-2	DOMESTIC WATER	110		60	-	-	2	2	3600	-	1	3	208/3	MAG	HOA	G	2	M	FS	M	M	E	E	1

1. PUMPS CAN RUN INDIVIDUALLY OR SIMULTANEOUSLY.

FAN SCHEDULE																							
MECHANICAL DATA																							
MARK	SERVICE / LOCATION	SCFM	EXT STATIC PRESS (IN)	FAN DATA				VIBR ISOL TYPE	SEE NOTE	ELECTRICAL DATA		STARTER					REMOTE CONTROL		DISC SW BY	SEE NOTE			
				TYPE	DIA (IN)	DRIVE TYPE	TIP SPEED (FPM)			RPM	HP	VOLT / PHASE	TYPE	CNTRL	PILOT	AUX	BY	TYPE			BY	CONN BY	
EF-1	TOIL EXH / ROOF	150	0.25	PRV	15	DIRECT	3287	1545	RIS	-	1/6	120/1	MSS	SS	G	2	M	T	M	M	E	E	-
EF-2	TOIL EXH / ROOF	450	0.25	PRV	15	DIRECT	3287	1545	RIS	-	1/6	120/1	MSS	SS	G	2	M	T	M	M	E	E	-
EF-3	MECH. RM.	300	0.3	PRV	15	DIRECT	4363	1545	RIS	-	1/6	120/1	MSS	SS	G	2	M	T	M	M	E	E	-
EF-4	TOIL EXH / ROOF	300	0.25	PRV	15	DIRECT	3287	1545	RIS	-	1/6	120/1	MSS	SS	G	2	M	T	M	M	E	E	-
EF-5	TOIL EXH / ROOF	450	0.25	PRV	15	DIRECT	3287	1545	RIS	-	1/6	120/1	MSS	SS	G	2	M	T	M	M	E	E	-
EF-6	TOIL EXH / ROOF	300	0.25	PRV	15	DIRECT	3287	1545	RIS	-	1/6	120/1	MSS	SS	G	2	M	T	M	M	E	E	-
EF-7	TOIL EXH / ROOF	150	0.25	PRV	15	DIRECT	3287	1545	RIS	-	1/30	120/1	MSS	SS	G	2	M	T	M	M	E	E	-
EF-8	TOIL EXH / ROOF	300	0.25	PRV	15	DIRECT	3287	1550	RIS	-	1/6	120/1	MSS	SS	G	2	M	T	M	M	E	E	-
EF-9	TOIL EXH / ROOF	300	0.25	PRV	15	DIRECT	3287	1545	RIS	-	1/6	120/1	MSS	SS	G	2	M	T	M	M	E	E	-
EF-10	TOIL EXH / ROOF	300	0.25	PRV	15	DIRECT	4363	1532	RIS	-	1/6	120/1	MSS	SS	G	2	M	T	M	M	E	E	-
EF-11	TOIL EXH / ROOF	300	0.25	PRV	15	DIRECT	3287	1545	RIS	-	1/6	120/1	MSS	SS	G	2	M	T	M	M	E	E	-
EF-12	TOIL EXH / ROOF	300	0.25	PRV	15	DIRECT	3287	1532	RIS	-	1/30	120/1	MSS	SS	G	2	M	T	M	M	E	E	-
EF-13	TOIL EXH / ROOF	300	0.25	PRV	15	DIRECT	3287	1545	RIS	-	1/6	120/1	MSS	SS	G	2	M	T	M	M	E	E	-
EF-16	TOILETS R1, R2 / LEV 1	150	0.25	INLINE	8	DIRECT	-	1160	RIS	-	1/8	120/1	MSS	SS	G	2	M	T	M	M	E	E	-
EF-17	LEVEL 1 GUEST ROOMS	400	0.375	INLINE	9	DIRECT	-	1160	RIS	-	1/8	120/1	MSS	SS	G								