

AIR HANDLING UNIT/FAN/COIL SCHEDULE

MARK	MFR & MODEL NO.	AHU TYPE	FAN			COOLING COIL											PRE-HEAT or HEATING COIL						FILTER BANK						REMARKS			
			TOTAL (cfm)	TSP/ESP (in. wc)	HP/VOLTS /PHASE	COIL TYPE	COIL CFM	MAX. FACE VEL. (fpm)	APD (in. wc)	MBH CAPACITY		EAT (°F) DB/MB	LAT (°F) DB/MB	EXT (°F)	LNT (°F)	WATER Δ P (ft.)	FLOW (gpm)	COIL TYPE	COIL CFM	MAX. FACE VEL. (fpm)	APD (in. wc)	CAPACITY (mbh)	STEAM		MFR & MODEL NO.	FILTER LOCATION	FILTER TYPE	MAX. FACE VEL. (fpm)		DEPTH (in.)	Δ P (in. water) CLEAN/DIRTY	EFFICIENCY/ ARRESTANCE
										TOTAL	SENSIBLE												PPH	Δ P (psig)								
AHU-1	.	.	.	/	/	CHILLED WATER	.	550	.	.	.	/	/	.	.	.	STEAM	.	600	.	.	.	.	.	.	.	PRE FINAL	.	.	.	/	%/ % %/96%
AHU-2	.	.	.	/	/	CHILLED WATER	.	550	.	.	.	/	/	.	.	.	STEAM	.	600	.	.	.	.	.	.	.	PRE FINAL	.	.	.	/	%/ % %/96%
AHU-3	.	.	.	/	/	CHILLED WATER	.	550	.	.	.	/	/	.	.	.	STEAM	.	600	PRE FINAL	.	.	.	/	%/ % %/96%

ZONE AIRFLOWS				
ZONE 1 (cfm)	ZONE 2 (cfm)	ZONE 3 (cfm)	ZONE 4 (cfm)	ZONE 5 (cfm)
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COOLING COIL							
REFRNT. TYPE	COIL CFM	MAX. FACE VEL. (fpm)	APD (in. wc)	MBH CAPACITY		EAT (°F) DB/MB	LAT (°F) DB/MB
				TOTAL	SENSIBLE		
.	.	550	.	.	.	/	/
.	.	550	.	.	.	/	/
.	.	550	.	.	.	/	/

HEATING COIL								
COIL TYPE	COIL CFM	MAX. FACE VEL. (fpm)	APD (in. wc)	CAPACITY (mbh)	EXT (°F)	LNT (°F)	WATER Δ P (ft.)	FLOW (gpm)
HOT WATER	.	600	.	.	.	.	.	.
HOT WATER	.	600	.	.	.	.	.	.
HOT WATER	.	600	.	.	.	.	.	.

WATER SOFTENER SCHEDULE

MARK	MFR. & MODEL NO.	CONTROL VOLTAGE	DESIGN FLOW (gpm)	DESIGN ΔP (psig)	DESIGN CAPACITY (grains)	NOMINAL CAPACITY (grains)	CONTINUOUS FLOW (gpm)	NOMINAL** ΔP (psig)	NOMINAL* SALT (lbs)	SALT STORAGE (lbs)	REMARKS
WS-1											
WS-2											

*REGENERATION RATED AT POUNDS OF SALT SHOWN TO REMOVE GRAINS OF HARDNESS INDICATED.

**PRESSURE DROP AT NOMINAL RATED CONTINUOUS FLOW SHOWN.

SPRINKLER SCHEDULE

MARK	QUANTITY	DESCRIPTION
SP-1	14	SPRINKLER: RELIABLE, MODEL G4A. QUICK RESPONSE, CONCEALED PENDENT WITH 1-1/2" ADJUSTMENT, WHITE PAINTED FINISH, SPRINKLER ORDINARY TEMPERATURE RATING 165°F, COVER PLATE TEMPERATURE RATING 135°F, 1/2" STANDARD ORIFICE, K FACTOR 5.6, U.L. LISTED. RELIABLE, SPRINKLER IDENTIFICATION NUMBER R5418, 1" FNPT CONNECTION.
SP-2	1	SPRINKLER: RELIABLE, MODEL F1, STANDARD RESPONSE, STANDARD UPRIGHT, BRONZE FINISH, ORDINARY TEMPERATURE RATING 155°F, 1/2" STANDARD ORIFICE, K FACTOR 5.6, U.L. LISTED. RELIABLE, SPRINKLER IDENTIFICATION NUMBER R1725, 1/2" FNPT CONNECTION.

SAFETY VALVE SCHEDULE

MARK	MFGR. & MODEL NO.	SERVICE	STEAM			CLASS (#)	REMARKS
			SET PRESS. (psig)	FLOW (pph)	OVER PRESS. (%)		
SV-1					%		
SV-2					%		
SV-3					%		

SAFETY VALVE FLOW CAPACITY SHALL MATCH FAIL CAPACITY OF INSTALLED PRV STATIONS.

PUMP SCHEDULE

MARK	MFGR. & MODEL NO.	PUMP TYPE	SERVICE	FLOW (gpm)	TDH (ft. water)	NPSH (ft. water)	SUCTION DIFFUSER	TRIPLE DUTY VALVE	MOTOR		REMARKS
									HP/VOLTS /PHASE	NO. OF SPEEDS	
P-1									∕ ∕ ∅		
P-2									∕ ∕ ∅		
P-3									∕ ∕ ∅		

FUME HOOD SCHEDULE

MARK	MFGR. & MODEL NO.	WORK SURFACE MODEL NO.	CUP SINK LOCATION	CABINET MODEL NO.	UTILITIES CONNECTED	REMARKS
FH-1	LABCONCO #					

FIRE DAMPER SCHEDULE

MARK	MFGR. & MODEL NO.	LOCATION	DUCT & SLEEVE	REMARKS
FD-1	GREENHECK DFD-150X14	FLOOR	6"X6"H	TYPE A, DYNAMIC RATING, 1-1/2 HOUR FIRE RESISTANCE RATING, GALVANIZED STEEL CONSTRUCTION, STAINLESS STEEL SPRING, HORIZONTAL MOUNTING. FUSIBLE LINK TEMPERATURE 165°F. OVERALL SLEEVE LENGTH 14", DAMPER LOCATION K=7".
FD-2				
FD-3				

EXPANSION TANK SCHEDULE				
MARK	MFGR. & MODEL NO.	SERVICE	CAPACITY (gal.)	REMARKS
ET-1				

DIFFUSER SCHEDULE

MARK	MFGR. & MODEL NO.	INLET SIZE (in.)	NOMINAL SIZE (in.)	FINISH	PATTERN	NC	REMARKS
S-1							
S-2							
R-2							

COOLING TOWER SCHEDULE

MARK	MFGR. & MODEL NO.	TOWER TYPE	NUMBER OF CELLS	EWT (°F)	LWT (°F)	AMBIENT WB (°F)	FLOW (gpm)	MOTOR		REMARKS
								HP/VOLTS /PHASE	NO. OF SPEEDS	
CT-1					85	78		∕∕ ∅		
CT-2					85	78		∕∕ ∅		
CT-3					85	78		∕∕ ∅		

CONDENSING UNIT SCHEDULE

MARK	MFR. & MODEL NO.	SERVICE	DESIGN CAPACITY (mbh)	EAT DB (°F)	REFGRNT. TYPE	NO. OF REFGRNT. CIRCUITS	CONTROL STEPS	ELECTRICAL SERVICE				REMARKS
								VOLTS/ PHASE	ICF	MCA	MIN. EER/SEER	
CU-1	V/Φ	.	.	.	.
CU-2	V/Φ	.	.	.	.
CU-3	V/Φ	.	.	.	.

CHILLER SCHEDULE

MARK	MFGR. & MODEL NO.	CHILLER TYPE	DESIGN CAPACITY (tons)	CONDENSER WATER				CHILLED WATER				STEAM		ELECTRICAL SERVICE			REMARKS
				EWT (°F)	LWT (°F)	WATER ΔP (ft)	FLOW (gpm)	EWT (°F)	LWT (°F)	WATER ΔP (ft)	FLOW (gpm)	PRESSURE (psig)	FLOW (pph)	VOLTS /PHASE	FLA	MIN. CKT. AMP.	
CH-1				85				55	45					V/Φ			
CH-1				86				56	46					V/Φ			

BALANCE VALVE SCHEDULE					
MARK	MFGR. & MODEL NO.	SIZE (in.)	FLOW (gpm)	SERVICE	REMARKS
BY-1	BELL & GOSSET CB-3/4	3/4	1.0	VAV-	
BY-2	BELL & GOSSET CB-3/4	3/4	2.0	VAV-	

BACKFLOW PREVENTER SCHEDULE

MARK	MFGR. & MODEL NO.	PREVENTER TYPE	SERVICE	SIZE (in. ϕ)	FLOW (gpm)	ΔP (psig)	REMARKS
BFP-1							
BFP-2							
BFP-3							

AIR SEPARATOR SCHEDULE

MARK	MFGR. & MODEL NO.	SERVICE	FLOW (gpm)	WATER ΔP (ft.)	CONN. INLET (in. Φ)	CONN. OUTLET (in. Φ)	REMARKS
AS-1							

AIR FLOW CONTROL VALVE SCHEDULE

MARK	MFG. & MODEL NO.	SERVICE	FLOW RANGE (CFM)	NUMBER OF VALVES-SIZE (in.)	ORIENTATION	REMARKS
FCV-1	PHOENIX EXVA108M-ADEHO	FUME HOOD EXHAUST			HORIZONTAL	VARIABLE VOLUME ELECTRONIC EXHAUST VALVE, ALUMINUM BODY WITH BAKED-ON PHENOLIC COATING, TEFLON COATED STAINLESS STEEL SHAFT FOR STANDARD FUME HOOD APPLICATION, MEDIUM PRESSURE OPERATION, CONICAL SHAPED DIFFUSER, CELERIS 2 DIGITAL/PNEUMATIC CONTROL, ELECTRONIC VALVE, WITH PRESSURE SWITCH, NORMALLY OPEN EXHAUST VALVE.
FCV-2	PHOENIX	RM. 201 SUPPLY				VARIABLE VOLUME ELECTRONIC SUPPLY VALVE, UNCOATED ALUMINUM BODY, MEDIUM PRESSURE OPERATION, CONICAL SHAPED DIFFUSER, CELERIS 2 DIGITAL/PNEUMATIC CONTROL, ELECTRONIC VALVE, NORMALLY CLOSED SUPPLY VALVE WITH INSULATION.