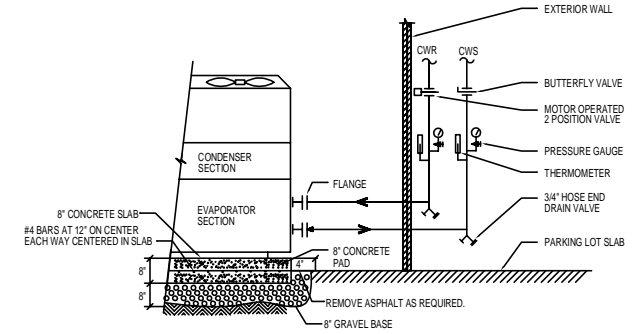
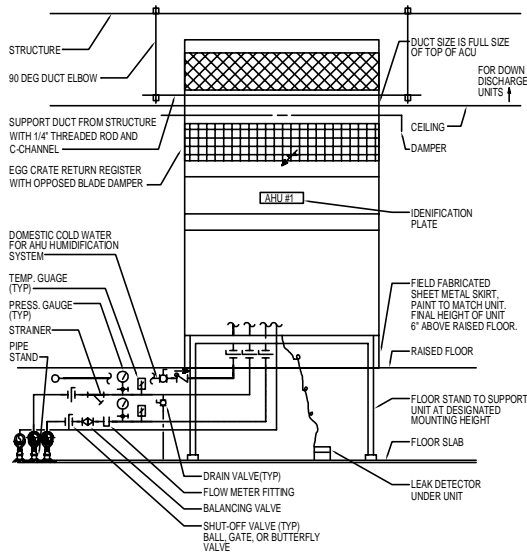


XXX AUTOMATIC FILL & EXPANSION TANK PIPING DIAGRAM
SCALE: NONE



XXX CONNECTIONS TO CHILLER
SCALE: NONE



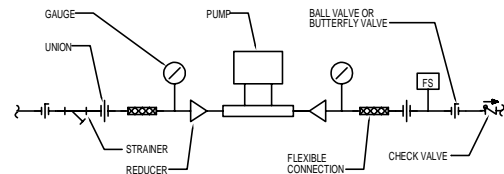
XXX COMPUTER ROOM AIR HANDLING UNIT
SCALE: NONE

AIR COOLED CHILLER SCHEDULE																										
DESIG	LOCATION	SYSTEM	TYPE	NOMINAL TONS	CHILLED WATER SIDE					CONDENSER FANS					ELECTRICAL				VIBRATION & SEISMIC SPEC. TYPE				MIN STATIC DEFLECTOR	BASIS OF DESIGN		REMARKS
					GPM	EWT °F	LWT °F	PASS	PD FT	AMB AIR °F	QTY	HP	FLA	MAX KW	FLA	LRA	V-φ-HZ	STARTER TYPE	CONT VOLT	BASE	VIB ISOL	SEISMIC RESTRAINT		MAKE	MODEL	
CHLR-1	OUTSIDE	CHILLED WATER	SCREW	250	532	55	44	2	14.9	95	12	3	4.0	292.9	432.0	280	460/360	WYE-DELTA	120	-	-	-	-	YORK	YCAS 0250EC46	①②
① PROVIDE CONTROL INTERFACE. ② PUMPS FUSED DISCONNECT.																										

DESIGNER NOTES:

PUMP SCHEDULE																		
DESIG	LOCATION	SYSTEM	TYPE	COUPLING	CAPACITY GPM	TOTAL DYNM HEAD FT	MIN NPSH FT	MIN EFF %	MOTOR			VIBRATION & SEISMIC SPEC. TYPE			MIN STATIC DEFLECTOR	BASIS OF DESIGN		REMARKS
									HP	RPM	V-φ-HZ	BASE	VIB ISOL	SEISMIC RESTRAINT		MAKE	MODEL	
P-1 & 2	SEE PLAN	CHILLED WATER	IN-LINE	SPLIT	266	35	8.3	55	5	1800	460/360	-	-	-	-	ARMSTRONG	SG-66 SERIES 4302 660R	①②
① PROVIDE VFD FOR EACH PUMP. ② PUMPS OPERATE IN PARALLEL.																		

DESIGNER NOTES:



XXX IN-LINE CIRCULATING PUMP DIAGRAM
SCALE: NONE

CHILLED WATER COMPUTER ROOM ACU																						
DESIGNATION	AREA SERVED	FAN DATA			CHW COOLING COIL DATA					HHW REHEAT COIL DATA			HUMIDIFIER DATA		AIR FILTER DATA			VOLT	PHASE	MAKE	MODEL	REMARKS
		CFM	ESP (IN W.G.)	MOTOR QTY/HP	ENT. AIR TEMP °F DB	TOTAL CAP. MBH	SENSIBLE CAP. MBH	WATERFLOW @ 45°F GPM	WPD (FT W.G.)	WATERFLOW @ 180°F GPM	WPD (FT W.G.)	TYPE	TOTAL CAP. LB/HR	KW	QUANTITY	EFFICIENCY						
CRACU-1	SERVERS	16,500	0.5	1/10	75	61	538.4	458.1	120	40.7	-	-	STEAM GEN CANISTER	22	7.2	5	30	460	3	LIEBERT	DELUXE SYSTEM 3 UH 740C	①②③④⑤⑥
CRACU-2	SERVERS	16,500	0.5	1/10	85	69	812.7	582.0	120	40.7	-	-	STEAM GEN CANISTER	22	7.2	5	30	460	3	LIEBERT	DELUXE SYSTEM 3 FH 740C	①②③④⑤⑥⑦
CRACU-3,4	SERVERS	9,000	0.5	2/4	75	61	248.6	220.7	56	17.8	-	-	STEAM GEN CANISTER	10.1	3.3	3	30	460	3	APC	FM 50C	①②③④⑤⑥
CRACU-5,6,7	SERVERS	9,000	0.5	2/4	85	69	375.6	294.4	60	22.4	-	-	STEAM GEN CANISTER	10.1	3.3	3	30	460	3	APC	FM 50C	①②③④⑤⑥⑦
① PROVIDE CONDENSATE PUMP KIT & WATER LEAK DETECTOR FOR EACH UNIT. ② PROVIDE FLOOR STAND. ③ PROVIDE INTEGRAL PROGRAMMABLE MICROPROCESSOR BASED THERMOSTAT. ④ PROVIDE UP FLOW UNIT. ⑤ PROVIDE DISCONNECT. ⑥ INTERLOCK WITH BAS. ⑦ PROVIDE DOWN FLOW UNIT. ⑧ PROVIDE INTEGRAL SUPPLY AND RETURN AIR DEVICE.																						