

three inches = one foot

one and one half inches = one foot

one inch = one foot

three quarters inch = one foot

one half inch = one foot

three eighths inch = one foot

one quarter inch = one foot

one eighth inch = one foot

AIR COOLED CHILLER SCHEDULE																
NO.	NOMINAL CAPACITY (TON.)	REFRIG.	MAX KW/TON INPUT	CHILLED WATER				AIR COOLED CONDENSER				ELECTRICAL			REMARKS	
				CFM	ENT °F	LVG °F	MAX. Δ P FT. H2O	FAN QTY	FAN KW	COMPRESSOR QTY	REFRIG. CIRCUITS	POWER	MCA	MDP		
CH-1	60.0	R410A	1.16	144	55	45	18	6	1.2X6	4	2	460/3/60	132	150	1	

NOTE:
1. BASE OF DESIGN IS TRANE MODEL CGAM060. IT IS NOT INTENDED TO LIMIT SELECTION.
PROVIDE INDICATED EQUIPMENT OR EQUIPMNT OF EQUAL PERFORMANCE.

PUMP SCHEDULE										
MARK	DESCRIPTION	FLOW GPM	HEAD FT	BHP	TYPE	EFF. %	MOTOR			REMARKS
							HP	RPM	VOLTS/PH/HZ	
CHWP-1	CHILLED WATER SYS.	144	55	3.2	INLINE CENT.	62.5	5.0	1725	460/3/60	1,3,4
CHWP-2	CHILLED WATER SYS.	144	55	3.2	INLINE CENT.	62.5	5.0	1725	460/3/60	1,3,4
HWP-1	HOT WATER SYS.	36	36	0.9	INLINE CENT.	51	1.0	1725	460/3/60	2,4
HWP-2	HOT WATER SYS.	36	36	0.9	INLINE CENT.	51	1.0	1725	460/3/60	2,4

NOTE:
1. BASE OF DESIGN: BELL & GOSSETT SERIES 80 2½X2½X9½B INLINE PUMP.
2. BASE OF DESIGN: BELL & GOSSETT SERIES 80 1½X1½X7½B INLINE PUMP.
3. PROVIDE VFD FOR THE PUMP.
4. PROVIDE THE PUMP WITH ALLOY STEEL SHAFT, CUPRO-NICKEL SHAFT SLEEVE, CAST BRONZE IMPELLER, BRONZE WEAR RINGS, BALL-BEARING FRAME, AND MECHANICAL SHAFT SEAL.

BOILER SCHEDULE							
ITEM	SERVICE	HOT WATER		NATURAL GAS (X 1000)		INLET PRESSURE (NATURAL GAS)	REMARKS
		GPM	°F IN °F OUT	INPUT	OUTPUT		
B-1	HOT WATER SYS.	36	110 140	500 MBH	467 MBH	4" - 14"	-
B-2	HOT WATER SYS.	36	110 140	500 MBH	467 MBH	4" - 14"	-

NOTE:
1. BASE OF DESIGN IS LOCHINVAR MODEL KBN501 CONDENSING BOIL. PROVIDE INDICATED EQUIPMENT OR EQUIPMENT OF EQUAL CAPACITY, QUALITY, AND PERFORMANCE.

EXPANSION TANK SCHEDULE						
ITEM	SERVICE	TANK VOLUME (GAL)	ACCEPTANCE VOLUME (GAL)	TYPE	MODEL	MAX WORKING PRESSURE (PSI)
ET-1	HOT WATER SYS.	21.7	11.3	DIAPHRAM	D-40V	125
ET-2	CHILLED WATER	7.8	2.5	DIAPHRAM	D-15V	125

NOTE:
1. BASE OF DESIGN IS BELL & GOSSETT MODEL SERIES D. PROVIDE INDICATED EQUIPMENT OR EQUIPMENT OF EQUAL CAPACITY, QUALITY, AND PERFORMANCE.

BUFFER TANK SCHEDULE					
ITEM	SERVICE	TANK VOLUME (GAL)	MAX WORKING PRESSURE (PSI)	SIZE	WEIGHT (LB)
BFT-1	HEATING	200	125	89.5(H)X32(DIA.)	900

NOTE:
1. BASE OF DESIGN IS LOCHINVAR MODEL BVU200. PROVIDE INDICATED EQUIPMENT OR EQUIPMENT OF EQUAL CAPACITY, QUALITY, AND PERFORMANCE.

AIR SEPARATOR SCHEDULE				
ITEM	SERVICE	MODEL	MAXIMUM FLOW (GPM)	REMARKS
AS-1	CHILLED WATER SYS.	R-2	56	1
AS-2	HOT WATER SYS.	R-3	190	1

NOTE:
1. BASE OF DESIGN IS BELL & GOSSETT MODEL R-2 OR R-3. PROVIDE INDICATED EQUIPMENT OR EQUIPMENT OF EQUAL CAPACITY, QUALITY, AND PERFORMANCE.

AIR HANDLING UNIT SCHEDULE			
		AHU-1	AHU-2
AIRFLOW	CFM	13000	13000
ESP	IN H2O	3	3
SUPPLY FAN VFD	YES, W/ BYPASS	YES, W/ BYPASS	YES, W/ BYPASS
SUPPLY FAN HP/BHP.	HP/BHP.	10/9.03	10/9.03
UNIT OSA (PRETREATED)	CFM	3500	2500
COOLING COIL			
DRAIN PAN	STAINLESS STEEL	STAINLESS STEEL	STAINLESS STEEL
SYSTEM TYPE	CHILLED WATER	CHILLED WATER	CHILLED WATER
COIL CASING	STAINLESS STEEL	STAINLESS STEEL	STAINLESS STEEL
EDB	F	78	78
EWB	F	66	66
LDB	F	53.4	53.4
LWB	F	52.5	52.5
SENSIBLE CAPACITY	MBh	239	239
TOTAL CAPACITY	MBh	300	300
ENTERING FLUID TEMPERATURE (°F)	F	40	40
FLUID TEMPERATURE RISE (°F)	F	14	14
STANDARD FLUID FLOW RATE	GPM	80	80
COIL ROWS		6	6
FLUID PRESSURE DROP	FT. H2O	10	10

NOTES:
1. INSTALL UNIT ON 3" HOUSEKEEPING PAD.

VAV BOX SCHEDULE											
VAV MARK NO.	LOCATION	UNIT SIZE	CFM		PRES-SURE DROP IN W.C.	HOT WATER COIL (ALL COILS ONE ROW, UNO)					NOTES
			MIN	MAX		CFM	EWI	GPM	EAT	LAT	
VAV-1	OFF./MED.ROOM B05	06	420	420	0.25	420	150	1.0	55	95	1,2,3,5
VAV-2	X-RAY B04	08	500	800		500		1.0			1,2,3,5
VAV-3	RECEP./CHECK-IN/FILES B03	08	500	730		500		1.0			2,3,6
VAV-4	HYGIENE OP. B11	04	50	100		50		0.5			1,2,3,5
VAV-5	GEN. TREATMENT OP. B12	04	50	100		50		0.5			1,2,3,5
VAV-6	HYGIENE OP. B13	04	50	100		50		0.5			1,2,3,5
VAV-7	GEN. TREATMENT OP. B14	04	50	100		50		0.5			1,2,3,5
VAV-8	COOR. B09	04	75	150		75		0.5			1,2,3,5
VAV-9	AFGE OFFICE B25	08	780	780		780		1.0			1,2,3,5
VAV-10	-	-	-	-		-		-			-
VAV-11	CLINICAL LAB B22	08	570	570		570		1.0			1,2,3,5
VAV-12	CORR. B24	06	500	500		500		1.0			1,2,3,5
VAV-13	CLINICAL PHARMACIST C10	05	155	310		155		0.5			1,2,3,5
VAV-14	CENTRAL RECEPTION C01	08	525	525		525		1.0			1,2,3,5
VAV-15	ST. TLT C12	06	400	400		400		0.5			1,2,3,5
VAV-16	SOCIAL WORKER C06	08	370	550		370		1.0			1,2,3,5
VAV-17	R.O.I. D01	04	55	110		55		0.5			1,2,3,5
VAV-18	CORR. D05	06	430	430		430		1.0			1,2,3,5
VAV-19	CORR. D13	08	600	710	0.35	600		1.0			1,2,3,5
VAV-20	RADIOLOGY D07	05	310	310	0.25	310		0.5			1,2,3,6
VAV-21	RADIOLOGY D07	10	600	910		600		1.0			1,2,3,5
VAV-22	BREAK RM. D18	08	690	690		690		1.0			1,2,3,5
VAV-23	COMM. RM. D20	08	340	680		-		-			1,2,3,4,5
VAV-24	ELEC. SYS. D21	08	365	730		365		0.5			1,2,3,5
VAV-25	EXAM RM. C45	06	240	480		240		0.5			1,2,3,5
VAV-26	EXAM RM. C40	08	760	760		760		1.0			1,2,3,5

LOUVERS				
1. 36X24 RUSKON ELF-675 OR EQUAL. BRONZE COLOR OR APPROVED BY GOVERNMENT. SHALL BE 6" DEEP WITH DAMPER IN PLENUM. PROVIDE WITH BIRD SCREEN				

REGISTER, LOUVER & GRILLE SCHEDULE					
MARK	TYPE	SERVICE		BLOW	REMARKS/NOTES
A	SQUARE DIRECTIONAL (LOUVER) FACE CEILING DIFFUSER	SUPPLY	☒	AS INDICATED	FRAME STYLE TO SUIT CEILING FINISH. FLUSH FOR HARD CEILING. BASIS OF DESIGN: PRICE SPD SERIES
B	SQUARE DIRECTIONAL (LOUVER) FACE CEILING DIFFUSER	SUPPLY	☒	AS INDICATED	FRAME STYLE TO SUIT CEILING FINISH. 24x24 "LAY-IN" BASIS OF DESIGN: PRICE SPD SERIES
C	SLOT DIFFUSER	SUPPLY	☐	180° PATTERN	1.5" SLOT WIDTH, 1" SLOT 12" INLET, ALUMINUM CONSTRUCTION. BASIS OF DESIGN: PRICE SDS SERIES
R	REGISTER FIXED ANGLED VANES SURFACE MOUNTED	RETURN/ EXHAUST TRANSFER	☐	☐	RETURN OR EXHAUST REGISTER AS INDICATED-45° ANGLED VANES-ALUMINUM

ENERGY RECOVERY UNIT SCHEDULE																								
UNIT NUMBER	NOMINAL CONDITION	INPUT CONDITIONS										RETURN CONDITIONS						MIN ENERGY EFFICIENCY	ELECTRICAL			WEIGHT (lbs.)	MFR & MODEL #	NOTES
		OUTSIDE AIR						VENTILATION AIR				ENTERING AIR							FAN MOTOR HP					
		CFM	EXT. STATIC PR. (WC)	DEG.F (db)	HUM. gr/lb	ENTHALPY (Btu/lb)	DEG.F (db)	DEG.F (wb)	RH gr/lb	ENTHALPY (Btu/lb)	CFM	EXT. STATIC PR. (WC)	DEG.F (db)	REL. HUMIDITY %	HUM. gr/lb	ENTHALPY (Btu/lb)	POWER		SUPPLY	EXHAUST				
ERU-1	SUMMER	3500	0.50	95	78	117.4	80.37	68.06	83	32.9	2950	0.50	75	51.6	66.7	28.43	80%	460V/3ø	5.00	3.00	1390	MICROMETL EVHGEEA4400ROBEFXG-E	1,2,3	
	WINTER	3500	0.50	26	21.9	10	8.6	59.96	51.55	43.2	32.3	2950	0.50	70	48.3	52.6								25.00
ERU-2	SUMMER	2500	0.50	95	78	117.4	80.37	68.06	83	32.9	2150	0.50	75	51.6	66.7	28.43	80%	460V/3ø	5.00	3.00	1390	MICROMETL EVHGEEA4400ROBEFXG-E	1,2,3	
	WINTER	2500	0.50	26	21.9	10	8.6	59.96	51.55	43.2	32.3	2150	0.50	70	48.3	52.6								25.00

NOTES:
1. MANUFACTURER'S MODEL NUMBERS ARE PROVIDED AS BASIS OF DESIGN ONLY AND ARE NOT TO LIMIT SELECTION. PROVIDE SCHEDULED EQUIPMENT OR EQUIPMENT OF EQUAL QUALITY AND CAPACITY.

VAV BOX SCHEDULE											
VAV MARK NO.	LOCATION	INLET SIZE IN.	CFM		PRES-SURE DROP IN W.C.	HOT WATER COIL (ALL COILS ONE ROW, UNO)					NOTES 1,2,3,5
			MIN	MAX		CFM	EWT	GPM	EAT	LAT	
VAV-27	SOILED UTILITY RM. C15	05	330	330	0.25	330	150	0.5	55	95	1,2,3,5
VAV-28	CASE MGR. OFF. C37	06	380	380		380		0.5			1,2,3,5
VAV-29	CASE MGR. OFF. C34	05	300	300		300		0.5			1,2,3,5
VAV-30	CASE MGR. OFF. C32	05	300	300		300		0.5			1,2,3,5
VAV-31	CORR. C29	04	200	200		200		0.5			1,2,3,5
VAV-32	CORR. C28	05	300	300		300		0.5			1,2,3,5
VAV-33	EXAM RM. C24	08	840	840		840		1.0			1,2,3,6
VAV-34	GYN. EXAM RM. C20	05	210	285		210		0.5			1,2,3,5
VAV-35	DIETITIAN C18	05	150	225		150		0.5			1,2,3,5
VAV-36	PT. TLT C19	06	430	430		430		0.5			1,2,3,5
VAV-37	FMS B34	04	150	150		150		0.5			1,2,3,6
VAV-38	HAC B33	04	110	110		110		0.5			1,2,3,5
VAV-39	STOR./ STERILE B29	04	150	150		150		0.5			1,2,3,5
VAV-40	STOR./ STERILE B29	04	130	130		130		0.5			1,2,3,5
VAV-41	STG. EMS/ LARGE EQUIP. B36	08	510	510		510		1.0			1,2,3,5
VAV-42	CORR. B24	08	610	610		610		1.0			1,2,3,5
VAV-43	TLT. UNISEX A14	08	695	695		695		1.0			1,2,3,5
VAV-44	VOL. MP ROOM A11	08	550	550		550		0.5			1,2,3,5
VAV-45	COMM. A08	08	320	640		-		-			1,2,3,4,5
VAV-46	FAM. TLT A09	04	90	180		90		0.5			1,2,3,5
VAV-47	VOL. SERV. OFF. A10	08	790	790		790		1.0			1,2,3,5
VAV-48	WAITING AREA "C" A03	10	1000	1000		1000		1.0			1,2,3,6
VAV-49	WAITING AREA "B" A04	12	1750	1750	0.50	1750		1.5			1,2,3,5
VAV-50	WAITING AREA "A" A05	12	875	1750	0.50	875		1.5			1,2,3,5
VAV-51	WAITING AREA "B" A04	10	490	980	0.35	490		1.5			1,2,3,5
VAV-52	MEN'S RR A19	06	200	400	0.25	200		0.5			1,2,3,5