

AIR HANDLING UNIT (AHU) SCHEDULE

UNIT NUMBER	LOCATION	SERVICE	SUPPLY FAN PERFORMANCE							COOLING COIL										EQUIPMENT WEIGHT (LBS)	BASIS OF DESIGN	REMARKS
			CFM	STATIC PRESSURE		ELECTRICAL			STARTER	COOLING CAPACITY												
				TSP	ESP	HP	VOLTS	PHASE		TAG	TOTAL (MBH)	SENSIBLE (MBH)	L.A.T. F	ENT. COIL DB(F)	ENT. COIL WB(F)	COIL CFM	COIL GPM	MAX. FACE VELOCITY (FPM)				
AHU-1	MECH ROOM	VAV / TU SUPPLY	3000	2.00	1.22	3	460	3	BY ELEC.	CC-1	90.5	76.5	50.4	74	80.61	3000	15	600	800	235	TRANE CLIMATE CHANGER	SEE NOTES

NOTES:

1. PROVIDE 30% EFF. FILTER
2. PROVIDE CONDENSATE PUMP (IF REQUIRED)
3. PROVIDE 1 1/4 INCH CIRCUIT BALANCE VALVE AT COIL OUTLET
4. PROVIDE MODULATING CONTROL VALVE AND DAT SENSOR

FAN SCHEDULE

EQUIP NUMBER	LOCATION	SERVICE	TYPE	MIN.			STATIC PRESS.	FAN	ELECTRIC MOTOR			EQUIP WEIGHT	BASIS OF DESIGN	REMARKS
				WHEEL DIAM. (IN)					CFM	RPM	(IN. W.G.)			
EF-1	WOMAN'S CEILING	LAVATORY EXHAUST	CEILING		710	950	0.250		285 W	120	1	56	GREENHECK CSP 260	SEE REMARKS

NOTES:

1. PROVIDE WITH BACKDRAFT DAMPER

CHILLED WATER FAN COIL (FCU) SCHEDULE

UNIT NUMBER	LOCATION	SERVICE	UNIT TYPE	UNIT CONFIG.	COOLING CAPACITY			INDOOR CONDITIONS			SUPPLY FAN		CHILLED WATER COIL				REHEAT	UNIT MIN. O.A. CFM	BASIS OF DESIGN	REMARKS		
					SENS MBH	TOTAL MBH	NOM. TONS	DB (F)	WB (F)	RH	TOTAL SUPPLY CFM	ESP	GPM	PRESS. DROP (ft)	BWT	LWT					KW	VOLT/PH
FCU-01	CEILING MOUNTED	PRODUCTION 110	CHILLED WATER	HORIZ DISCHARGE	18.71	23.89	3	74	61	46%	750	0.70	5	2.8	42 F	52.5 F	10	460/3	128	TRANE BCHB038	SEE NOTES	
FCU-02	CEILING MOUNTED	PRODUCTION 120	CHILLED WATER	HORIZ DISCHARGE	18.71	23.89	3	74	61	46%	750	0.70	5	2.8	42 F	52.5 F	10	460/3	128	TRANE BCHB038	SEE NOTES	
FCU-03	CEILING MOUNTED	OFFICE 101,102,103,104	CHILLED WATER	HORIZ DISCHARGE	12.47	15.80	2	74	61	46%	500	0.70	3	2.22	42 F	52.5 F	7.5	460/3	85	TRANE BCHB024	SEE NOTES	
FCU-04	CEILING MOUNTED	PRODUCTION 120	CHILLED WATER	HORIZ DISCHARGE	9.36	11.85	1.5	74	61	46%	375	0.70	2.5	2.1	42 F	52.5 F	4	460/3	64	TRANE BCHB018	SEE NOTES	
FCU-05	CEILING MOUNTED	PRODUCTION 130	CHILLED WATER	HORIZ DISCHARGE	24.95	31.59	4	74	61	46%	1,000	0.70	6	2.85	42 F	52.5 F	15	460/3	170	TRANE BCHB048	SEE NOTES	
FCU-06	CEILING MOUNTED	COMMONS	CHILLED WATER	HORIZ DISCHARGE	18.71	23.89	3	74	61	46%	750	0.70	5	2.8	42 F	52.5 F	10	460/3	128	TRANE BCHB038	SEE NOTES	
FCU-07	CEILING MOUNTED	OFFICE 105,106,107	CHILLED WATER	HORIZ DISCHARGE	12.47	15.80	2	74	61	46%	500	0.70	3	2.22	42 F	52.5 F	7.5	460/3	85	TRANE BCHB024	SEE NOTES	
FCU-08	CEILING MOUNTED	FACILITIES 180	CHILLED WATER	HORIZ DISCHARGE	9.36	11.85	1.5	74	61	46%	375	0.70	2.5	2.1	42 F	52.5 F	4	460/3	64	TRANE BCHB018	SEE NOTES	

NOTES:

1. INTERNAL FAN SPRING ISOLATORS.
2. PROVIDE 3-WAY MODULATING CHILLED WATER CONTROL VALVE
3. PROVIDE CONDENSATE PUMP (IF REQUIRED).
4. PROVIDE MICROPROCESSOR CONTROL
5. PROVIDE NON LOCKING DISCONNECT SWITCH.

SIDE WALL REGISTER (SWR) SCHEDULE

TAG #	QTY	INLET DUCT SIZE	MAX. CFM	FACE SIZE	FREE AREA	DOUBLE DEFLECTION	OBD DAMPER	MOUNTING	MATERIAL	BASIS OF DESIGN	REMARKS
SWR-1		6 X 6 inch	190	6X6 inch	0.19 SQ. FT.	YES	YES	DUCT	ALUMINUM	TITUS MODEL 112 RL	SEE NOTES
SWR-2		6 X 8 inch	260	6X8 inch	0.26 SQ. FT.	YES	YES	DUCT	ALUMINUM	TITUS MODEL 112 RL	SEE NOTES
SWR-3		8 X 8 inch	370	8X8 inch	0.37 SQ. FT.	YES	YES	DUCT	ALUMINUM	TITUS MODEL 112 RL	SEE NOTES

NOTES:

1. #01 ALUMINUM FINISH
2. PROVIDE FLAT SURFACE MOUNT.

PUMP SCHEDULE

TAG	LOCATION	SERVICE	GPM	FT. HD.	ELECTRICAL			STARTER	CONTROL	STYLE	BASIS OF DESIGN	REMARKS
					HP	RPM	VOLT/PH					
P-1	CHILLER PAD	CHILLED WATER	72	60	2	3450	460/3	BY ELEC.	CV	VERTICAL	PACO MODEL LCV 15509	

GENERAL NOTES:

- a. A factor of 1.15 X MCA (or HP or KW) shall be used by the electrical designer until product submittals or shop drawings are provided to the electrical designer.
- b. Contractors and design consultants shall not use equipment schedules for final coordination. Only "approved" submittal data and/or shop drawings shall be used for final coordination.
- c. Vendor shall comply with all applicable codes and standards (local, state and national) including but not limited to the following, UL, N.E.C., ASME, AMCA, A.R.I., etc.
- d. Vendor shall review installation clearances and assure installation meets required clearances for agency listings (i.e. UL), meets code required clearances (i.e. N.E.C.) and meets intent of Manufacturer clearances for service and maintenance.
- e. For preliminary coordination, all weights shown in equipment schedules shall be multiplied by a factor of 1.25 to account for ductwork and piping attached to equipment.
- f. Structural engineer shall assure that deflection of the structure under moving/rotating mechanical equipment is less than 1/10 of spring deflection shown in the equipment schedule.

Air Cooled Chiller Schedule

Basis of Design	Trane CGAF
Nominal Tonnage	30
Tons at Specified Conditions	27.4
Ambient Temperature	95
Voltage/Phase	460/3
Chiller RLA	
Chiller MCA (460V)	120
Chiller Max Fuse Size	125
Factory Mounted Starter	YES
IPLV(KW/Ton)	12.8
Evaporator Conditions(EWT/LWT)	58F/42F
Evaporator GPM	72
Percent Ethylene Glycol	none
Type of Refrigerant	R-22
Unit Weight	3885
Std. Ambient (F)	30
Low Ambient Operation (F)	0
Unit Disconnect	by elec.
Protection above 10,000 A.I.C. Rating	by elec.
Unit Screening and Acoustical Barriers	by G.C.
Unit Housekeeping Pad	by G.C.

AUTOMATIC FLOW LIMITING CONTROL VALVE SCHEDULE

TAG	DESCRIPTION	DESIGN GPM	PIPE SIZE	PD RANGE		MANUFACTURER OR EQUAL
				PSI		
AFV-1	FCU - 01	5	1"	5 - 60		AUTOFLOW SERIES BR
AFV-2	FCU - 02	5	1"	5 - 60		AUTOFLOW SERIES BR
AFV-3	FCU - 03	3	1"	5 - 60		AUTOFLOW SERIES BR
AFV-4	FCU - 04	2.5	1"	5 - 60		AUTOFLOW SERIES BR
AFV-5	FCU - 05	6	1"	5 - 60		AUTOFLOW SERIES BR
AFV-6	FCU - 06	5	1"	5 - 60		AUTOFLOW SERIES BR
AFV-7	FCU - 07	3	1"	5 - 60		AUTOFLOW SERIES BR
AFV-8	FCU - 08	2.5	1"	5 - 60		AUTOFLOW SERIES BR

ETI VAV & SERIES FAN TERMINAL BOX SCHEDULE

UNIT NO.	MANUFACTURER MODEL NUMBER	INLET SIZE (IN)	DISCH. PLENUM	COOLING MAX. CFM	CFM MIN.	FAN CFM	SP		HEATER				FAN MOTOR			NOTE NO.
							IN	OUT	MAX.KW	D.T.	CFM	VOLT/PH	HP	VOLT/PH	SPEED	
FTU- 1	CFR-08 11	8	14"x12"	660	100	660	0.5	0.3	8	39.2	660	460/3	1/4	277V	L	1,2,3,5
FTU- 2	CFR-10 21	10	16"x16"	990	150	990	0.5	0.3	11	37.9	990	460/3	3/4	277V	L	1,2,3,5
FTU- 3	CFR-06 06	6	12"x12"	450	70	450	0.5	0.3	5	35.5	450	460/3	1/6	277V	L	1,2,3,5
VAV- 1	R-10	10	16"x16"	990	150	-	0.5	0.3	-	-	-	-	-	-	-	

NOTE:

1. TRUNK DUCT SIZE SAME AS BOX INLET SIZES.
2. PROVIDE SCR CONTROL FOR FAN MOTOR.
3. PROVIDE 48 VA TRANSFORMERS IN FAN POWERED BOXES WITH CIRCUIT BREAKER RESET.
4. PROVIDE DUCT BOARD DISCHARGE DUCTS
5. PROVIDE SOUND UNED SHEET METAL DISCHARGE DUCTS

