

AIR COOLED CHILLER SCHEDULE										
UNIT NO.	NOMINAL TONNAGE	CHILLED WATER				AMBIENT TEMP	MCA	MAX FUSE	ELECTRIC SERVICE	REMARKS
		INF	OUTF	GPM	PD					
CH-1	155	40	54	254	14.7	95	310.0	400	480/3#/60	TRANE MODEL RTAC
CH-2	155	40	54	254	14.7	95	310.0	400	480/3#/60	TRANE MODEL RTAC

(1) CHILLER SHALL BE WIRED FOR SINGLE POINT ELECTRICAL CONNECTION AND BE PROVIDED WITH HAIL GUARDS, 3 PASS EVAPORATOR AND SOUND ATTENUATION.

PUMP SCHEDULE									
PUMP NO.	SERVICE	TYPE	TOTAL GPM	HEAD FT. H ₂ O	MOTOR HP	PUMP RPM	CONTROL	ELECTRIC SERVICE	REMARKS
CHWP-1, 2, 3	CHILLED WATER	BASE MOUNTED-END SUCTION	250	50.0	7.5	1800	BMS	480/3#/60	(1) (2)

(1) BASE MOUNTED-END SUCTION PUMP WITH SUCTION DIFFUSER AND INERTIA BASE, B&G MODEL 1510.
 (2) PROVIDE 6" HIGH HOUSEKEEPING PAD EXTENDING 6" ALL AROUND INERTIA BASE.

COMPRESSION TANK SCHEDULE				
TAG	SYSTEM	CAPACITY GALLON	SIZE	REMARKS
CT-1	CHILLED WATER	53	24"X37"	B&G MODEL B-200, ASME TANK

FAN SCHEDULE											
No.	SERVICE	MIN. CFM	EXT. SP.	RPM	SONES	FAN HP	TYPE	DRIVE	ELECTRIC SERVICE	CONTROL	REMARKS
EF-1	GYM RESTROOMS	1025	0.5"	1725	11.2	1/4	ROOF	DIRECT	120/1#/60	(1)	GREENHECK G-101-A
EF-2	SCIENCE PREP	200	0.5"	1550	7.6	1/12	INLINE	DIRECT	120/1#/60	(2)	GREENHECK SQ-80-D
EF-3	ADMINISTRATION RESTROOMS	225	0.3"	1550	4.5	1/30	ROOF	DIRECT	120/1#/60	(3)	GREENHECK G-070-D
EF-4	KILN	100	0.25"	1550	3.7	1/60	ROOF	DIRECT	120/1#/60	(4)	GREENHECK G-060-D
EF-5	ELEVATOR MACHINERY ROOM	400	0.25"	1550	4.5	1/30	ROOF	DIRECT	120/1#/60	(2)	GREENHECK G-095-E
EF-6	TOILET	275	0.25"	1550	4.7	1/30	ROOF	DIRECT	120/1#/60	(5)	GREENHECK G-070-D
EF-7	CLASSROOM LAB C	1500	0"	1550	7.5	1/8	WALL	DIRECT	120/1#/60	(6)	GREENHECK SE1-12-432-DB
EF-8	CLASSROOM LAB C	1500	0"	1550	7.5	1/8	WALL	DIRECT	120/1#/60	(6)	GREENHECK SE1-12-432-DB

(1) INTERLOCK FAN WITH BC-3.
 (2) INTERLOCK FAN WITH AHU-2.
 (3) INTERLOCK FAN WITH RTU-4.
 (4) INTERLOCK FAN WITH KILN EQUIPMENT.
 (5) INTERLOCK FAN WITH RTU-3.
 (6) FAN CONTROLLED BY SPACE THERMOSTAT. PROVIDE MOTORIZED DAMPER AT EXTERIOR WALL AT FAN INSTALLATION, INTERLOCK WITH FAN OPERATION. INTERLOCK FAN WITH L-1 AND L-2 MOTORIZED CONTROL DAMPERS. EF-7 AND EF-8, L-1 AND L-2, SHALL BE DISABLED WHEN BC-5 IS IN OPERATION. FANS SHALL BE COMPLETE WITH BACK DRAFT DAMPER AND FAN MOUNTED SOLID STATE SPEED CONTROLLER.

KITCHEN HOOD EQUIPMENT SCHEDULE																	
TAG	HOOD SIZE	MATERIAL INNER	MATERIAL OUTER	MOUNTING HEIGHT	UL DAMPER	FILTER	EXHAUST UL 762 CFM	UL ESP	UL HP	UL VOLTAGE	FLA	SUPPLY CFM	SUPPLY ESP	SUPPLY HP	SUPPLY VOLTAGE	FLA	REMARKS
KEF-1, KSF-1	156X144	430 SS	430 SS	6'8"	YES	MESH	5,600	1.25"	3	460/3/60	4.7	4,800	0.625"	2	460/3/60	3.0	CAPTIVEAIRE MODEL NCA30FA & D.750-G18
KEF-2	54X60	430 SS	430 SS	6'8"	YES	MESH	1,375	1.00"	0.5	460/3/60	0.9	-	-	-	-	-	CAPTIVEAIRE MODEL NCA14FA

NOTES:
 1. COMPLY WITH REQUIREMENTS OF AUTHORITY HAVING JURISDICTION, DETAILS AND SPECIFICATIONS.
 2. EXHAUST AND SUPPLY FANS SERVING HOOD SHALL BE INTERLOCKED VIA HOOD MOUNTED LOCAL SWITCH.
 3. KH-1 SERVED BY KEF-1 AND KSF-1; CAPTIVEAIRE MODEL 6024ND-2-PSP-F; 156" LONG X 144" WIDE BY 24" HIGH. FACTORY PROVIDED ACCESSORIES SHALL INCLUDE: APPROPRIATE SIZE DUCT COLLARS FOR SUPPLY AND EXHAUST, UL LISTED DAMPERS, LIGHT FIXTURES, WET CHEMICAL FIRE SUPPRESSION SYSTEM, GREASE CUPS, ENCLOSURE PANEL WITH HEIGHT AS REQUIRED, FIELD WRAPPER WITH HEIGHT AS REQUIRED, HOOD MOUNTED CONTROLS WITH INTERLOCKED SUPPLY FANS AND AIR CURTAIN SUPPLY PLENUM.
 4. KH-2 SERVED BY KEF-2; CAPTIVEAIRE MODEL 5424ND-2; 54" LONG X 60" WIDE X 24" HIGH. FACTORY PROVIDED ACCESSORIES SHALL INCLUDE: APPROPRIATE SIZE DUCT COLLARS FOR EXHAUST, UL LISTED DAMPERS, LIGHT FIXTURES, WET CHEMICAL FIRE SUPPRESSION SYSTEM, GREASE CUPS, ENCLOSURE PANEL WITH HEIGHT AS REQUIRED, FIELD WRAPPER WITH HEIGHT AS REQUIRED, AND HOOD MOUNTED CONTROLS.
 5. HOOD CONFIGURATION, REQUIRED ACCESSORIES AND DIMENSIONS SHALL BE COORDINATED AND VERIFIED WITH ASSOCIATED TRADES AND DISCIPLINES PRIOR TO ORDERING.
 6. INTERLOCK HOOD FIRE SUPPRESSION SYSTEM FOR HOOD WITH ELECTRICAL POWER SHUTOFF TO ALL EQUIPMENT SERVED BY HOOD. UPON ACTIVATION ALL POWER SUPPLY TO EQUIPMENT WILL BE CUT OFF. PROVIDE & INSTALL ALL ELECTRICAL RELAYS AS REQUIRED FOR A COMPLETE & OPERABLE SYSTEM. COORDINATE WITH OTHERS.
 7. KEF-1, CAPTIVEAIRE MODEL NCA30FA, AND KEF-2, CAPTIVEAIRE MODEL NCA14FA, FACTORY ACCESSORIES SHALL INCLUDE: HINGE KIT, 2" GREASE DRAIN, GREASE BOX, EMERGENCY DISCONNECT SWITCH, VIBRATION ISOLATORS, 20" HIGH FACTORY COMBINATION EQUIPMENT CURB WITH 9" HIGH EXHAUST ADAPTERS.
 8. KSF-1, CAPTIVEAIRE MODEL D.750-G18 FACTORY ACCESSORIES SHALL INCLUDE: CONTROL PANELS WITH DISCONNECTS AND STARTERS, FILTER SECTION WITH 2" ALUMINUM MESH FILTERS, 20" HIGH FACTORY COMBINATION EQUIPMENT CURB WITH ADJUSTABLE LEGS. UNIT SHALL INCLUDE ELECTRIC HEAT FOR 60° TEMPERATURE RISE, 416 MBTUH (122 KW).

DUCTLESS HEAT PUMP SPLIT SYSTEM SCHEDULE															
DESIGNATION	SERVICE	COOLING BTUH	HEATING BTUH 47°F	HSPF	INDOOR UNIT ELECTRICAL DATA				OUTDOOR UNIT ELECTRICAL DATA				REFRIGERANT	MODEL INDOOR/OUTDOOR	
					V	PH	MCA	MFA	V	PH	MCA	MFA			
					AMB. TEMP. (°F)										
FCU-1/OU-1	INSTRUMENT STORAGE	8,500	10,000	7.7	-	-	-	-	95	208	1	6.1	15	R-410A	DAIKIN FTXS09DJVU / RX09FVJU
FCU-2/OU-2	UNIFORM STORAGE	8,500	10,000	7.7	-	-	-	-	95	208	1	6.1	15	R-410A	DAIKIN FTXS09DJVU / RX09FVJU
FCU-3/OU-3	MAIN COMMUNICATION	8,500	10,000	7.7	-	-	-	-	95	208	1	6.1	15	R-410A	DAIKIN FTXS09DJVU / RX09FVJU
FCU-4/OU-4	MAIN ELECTRICAL ROOM	22,000	24,000	7.7	-	-	-	-	95	208	1	15.8	20	R-410A	DAIKIN FTXS24DJVU / RX24FVJU
FCU-5/OU-5	EMERGENCY ELEC ROOM	8,500	10,000	7.7	-	-	-	-	95	208	1	6.1	15	R-410A	DAIKIN FTXS09DJVU / RX09FVJU
FCU-6/OU-6	MAIN STAIRS	24,000	27,000	8.4	208	1	1.8	15	95	208	1	27.0	30	R-410A	DAIKIN FXMQ24PVJU / RXYMQ36PVJU

(1) PROVIDE REFRIGERANT PIPING PER MANUFACTURER'S RECOMMENDATION.
 (2) PROVIDE SINGLE POINT ELECTRICAL CONNECTION TO OUTDOOR UNIT.
 (3) PROVIDE CODE REQUIRED MEANS OF CONDENSATE REMOVAL INCLUDING CONDENSATE PUMPS, FLOAT SWITCHES, PIPING, ELECTRICAL AND CONTROLS.
 (4) PROVIDE WIRED WALL MOUNTED CONTROLLER.
 (5) PROVIDE MANUFACTURER RECOMMENDED SPECIALTIES.

AIR COOLED CONDENSING UNIT SCHEDULE										
UNIT NO.	SERVICE	BTUH COOLING OUTPUT	SUCTION TEMP	AMBIENT TEMP	MCA	MAX FUSE	ELECTRIC SERVICE	SEER	REMARKS	
CU-1	BC-1	123,000	41.5	95.0	24.1	30	430/3#/60	11.2(EER)	(1), TRANE MODEL TTA120F4	
CU-2	BC-2	60,000	44.6	95.0	12.0	20	430/3#/60	13.0	(1), TRANE MODEL 4TTA3060A, WITH HOT GAS BYPASS	
CU-3	BC-3	36,000	44.5	95.0	7.0	15	430/3#/60	13.0	(1), TRANE MODEL 4TTA3036A	

(1) PROVIDE REFRIGERANT PIPING PER MANUFACTURER'S RECOMMENDATIONS.

AIR HANDLING UNIT SCHEDULE																	
UNIT NO.	SERVICE	SUPPLY FAN					COOLING COIL					CHILLED WATER	REMARKS				
		MIN CFM	CFM OA	STATIC PRES. EXT	FAN HP	ELECTRIC SERVICE	SENSIBLE CAPACITY	TOTAL CAPACITY	ENT (°F) DB	LAT (°F) WB	IN (°F)			OUT (°F)	GPM	PD (FT)	
AHU-1	CLASSROOMS	12,000	4,000	2.0" WG	15	480/3/60	342.5	482.3	77.4	65.0	51.5	51.2	40	54	68.6	5.9	TRANE M-SERIES (1)
AHU-2	CLASSROOMS	20,000	6,500	2.0" WG	25	480/3/60	565.8	797.7	77.7	65.2	52.0	51.7	40	54	113.5	5.5	TRANE M-SERIES (1)
AHU-3	GYMNASIUM	11,000	5,800	2.0" WG	15	480/3/60	415.7	769.4	84.1	72.1	50.0	49.9	40	54	109.5	10.1	TRANE M-SERIES (1)
AHU-4	STAGE	3,200	0	2.0" WG	3	480/3/60	70.3	84.5	75.0	62.5	55.0	53.4	40	54	12.0	8.8	TRANE M-SERIES (2)
AHU-5	CONSESSIONS	2,400	300	2.0" WG	5	480/3/60	68.5	96.2	77.4	65.0	51.5	51.3	40	54	13.7	2.7	TRANE M-SERIES (3)

(1) HORIZONTAL VAV AIR HANDLER WITH OUTDOOR AIR MEASURING STATION, ANGLE FILTER MIXING BOX, CHILLED WATER COIL, ACCESS MODULE, AND PLENUM FAN MODULE.
 (2) HORIZONTAL VAV AIR HANDLER WITH PLAT-FILTER MIXING BOX, CHILLED WATER COIL, AND FAN MODULE.
 (3) VERTICAL VAV AIR HANDLER WITH FILTER MIXING BOX, CHILLED WATER COIL, AND FAN MODULE.
 NOTE: PROVIDE HOUSEKEEPING PADS AND SAFE PANS FOR ALL AIR HANDLERS.

PACKAGED ROOFTOP AIR CONDITIONING UNIT SCHEDULE																		
UNIT NO.	SERVICE	UNIT MCA	MOP	ELECTRIC SERVICE	EER	FAN		DX COOLING				AMBIENT TEMP	REMARKS					
						SA CFM	OA CFM	STATIC PRES. EXT	TOTAL	FAN HP	TOTAL CAPACITY MBTUH			SENSIBLE CAPACITY MBTUH	EAT (°F) DB	LAT (°F) WB	IN (°F)	OUT (°F)
RTU-1	LOCKERS	46.0	50	480/3#/60	13.0	2,800	1,500	1.0"	-	3	96.5	68.3	77.8	65.4	55.8	54.3	95	TRANE MODEL THC10ZE (1)
RTU-2	DINING	59.5	60	480/3#/60	9.8	4,000	1,700	2.0"	3.1"	5	204.6	124.9	82.5	70.2	54.3	54.3	95	ADDISON MODEL TRSA (2)
RTU-3	KITCHEN	35.4	45	480/3#/60	10.7	3,500	1,300	2.0"	2.7"	5	159.7	101.1	81.3	69.4	55.2	95	ADDISON MODEL TRSA (3)	
RTU-4	ADMINISTRATION	22.0	30	480/3#/60	9.2	2,200	325	2.0"	2.4"	3	88.8	62.8	77.5	65.2	51.6	51.5	95	ADDISON MODEL TRSA (3)

(1) PACKAGED DX ROOFTOP UNIT WITH 27.0 KW ELECTRIC HEAT.
 (2) PACKAGED DX ROOFTOP VAV UNIT WITH INTERNAL VARIABLE FREQUENCY DRIVE AND 30.0 KW ELECTRIC HEAT.
 (3) PACKAGED DX ROOFTOP VAV UNIT WITH INTERNAL VARIABLE FREQUENCY DRIVE AND NO ELECTRIC HEAT.

BLOWER COIL UNIT SCHEDULE																			
UNIT NO.	SERVICE	FAN					COOLING COIL					CHILLED WATER	REMARKS						
		SA CFM	OA CFM	STATIC PRES. EXT	FAN HP	ELECTRIC SERVICE	UNIT MCA	MOP	TOTAL CAPACITY MBTUH	SENSIBLE CAPACITY MBTUH	EAT (°F) DB			LAT (°F) WB	IN (°F)	OUT (°F)	GPM	PD (FT)	
BC-1	MUSIC ROOM	2300	725	0.75" WG	1 1/2	460/3/60	40.7	45	107.4	65.4	80.3	68.0	54.4	52.9	-	-	-	-	TRANE MODEL BHCX (1)
BC-2	HEALTH CLASSROOM	1000	400	0.5" WG	1/2	460/3/60	18.8	20	54.9	31.9	83.0	70.2	53.9	52.9	-	-	-	-	TRANE MODEL BHCX (2)
BC-3	LOBBY	800	150	0.5" WG	1/2	460/3/60	17.2	20	32.8	19.9	76.4	66.1	53.7	52.5	-	-	-	-	TRANE MODEL BVCX (3)
BC-5	CLASSROOM LAB C	1800	600	0.5" WG	3/4	460/3/60	30.2	35	91.0	54.9	80.8	68.8	53.2	52.5	40	54	12.0	3.1	TRANE MODEL BVCX (4), (5)

(1) HORIZONTAL DRAW THROUGH BLOWER COIL UNIT WITH ANGLE FILTER MIXING BOX, DX COOLING COIL, SUPPLY AIR FAN, AND 24.0 KW ELECTRIC HEAT.
 (2) HORIZONTAL DRAW THROUGH BLOWER COIL UNIT WITH ANGLE FILTER MIXING BOX, DX COOLING COIL, SUPPLY AIR FAN, AND 11.0 KW ELECTRIC HEAT.
 (3) VERTICAL DRAW THROUGH BLOWER COIL UNIT WITH ANGLE FILTER MIXING BOX, DX COOLING COIL, SUPPLY AIR FAN, AND 10.0 KW ELECTRIC HEAT.
 (4) VERTICAL DRAW THROUGH BLOWER COIL UNIT WITH ANGLE FILTER MIXING BOX, CHILLED WATER COOLING COIL, SUPPLY AIR FAN, AND 18.0 KW ELECTRIC HEAT.
 (5) PROVIDE WALL SWITCH FOR BC-5 OPERATION OR VENTILATION FAN OPERATION. BC-5 SHALL ONLY OPERATE WHEN ROLL-UP DOORS ARE IN THE FULLY CLOSED POSITION.

FAN COIL UNIT SCHEDULE															
UNIT NO.	SERVICE	FAN					COOLING COIL					CHILLED WATER	REMARKS		
		MIN CFM	FAN HP (W)	ELECTRIC SERVICE	MCA	MOP	TOTAL CAPACITY MBTUH	SENSIBLE CAPACITY MBTUH	EAT (°F) DB	LAT (°F) WB	IN (°F)			OUT (°F)	GPM
FC-1	STAIRS 1007	300	50W	120V/1#/60	11.8	15	8.5	6.1	80	67	40.0	54.0	1.8	24.0	[1], TRANE MODEL E UNIT SIZE 02
FC-2	STAIRS 1009	300	50W	120V/1#/60	11.8	15	8.5	6.1	80	67	40.0	54.0	1.8	24.0	[1], TRANE MODEL E UNIT SIZE 02
FC-3	STAIRS 1010	300	50W	120V/1#/60	11.8	15	8.5	6.1	80	67	40.0	54.0	1.8	24.0	[1], TRANE MODEL E UNIT SIZE 02
FC-4	STAIRS 1015	300	50W	120V/1#/60	11.8	15	8.5	6.1	80	67	40.0	54.0	1.8	24.0	[1], TRANE MODEL E UNIT SIZE 02
FC-5	STAIRS 1018	300	50W	120V/1#/60	11.8	15	8.5	6.1	80	67	40.0	54.0	1.8	24.0	[1], TRANE MODEL E UNIT SIZE 02
FC-6	RAMP	1200	100W/1B0W	208V/1#/60	51.0	60	33.9	24.5	80	67	40.0	54.0	7.1	24.8	[3], TRANE MODEL E UNIT SIZE 10
FC-7	RAMP	1200	100W/1B0W	208V/1#/60	51.0	60	33.9	24.5	80	67	40.0	54.0	7.1	24.8	[3], TRANE MODEL E UNIT SIZE 10
FC-8	STAIRS 1020	300	50W	120V/1#/60	11.8	15	8.5	6.1	80	67	40.0	54.0	1.8	24.0	[1], TRANE MODEL E UNIT SIZE 02
FC-9	STAIRS 1005-2005	500	100W	208V/1#/60	20.6	25	14.0	10.2	80	67	40.0	54.0	2.9	14.0	[2], TRANE MODEL E UNIT SIZE 04

[1] HORIZONTAL RECESSED FAN COIL UNIT WITH HIGH STATIC MOTOR, 3 ROW CHILLED WATER COIL, AND 1 KW ELECTRIC HEAT.
 [2] HORIZONTAL RECESSED FAN COIL UNIT WITH HIGH STATIC MOTOR, 3 ROW CHILLED WATER COIL, AND 3 KW ELECTRIC HEAT.
 [3] HORIZONTAL RECESSED FAN COIL UNIT WITH HIGH STATIC MOTOR, 3 ROW CHILLED WATER COIL, AND 8 KW ELECTRIC HEAT.
 NOTES: PROVIDE MANUFACTURER SUPPLIED 6" CABINET EXTENSION RING FOR ALL FAN COIL UNITS.

ENTHALPY ENERGY RECOVERY SCHEDULE															
UNIT NO.	SUPPLY			EXHAUST			ENTHALPY WHEEL			ELECTRICAL			REMARKS		
	CFM	ESP	HP	CFM	ESP	HP	EAT DB	EAT WB	LVG DB	LVG WB	EFFECTIVENESS	MCA		MOP	SERVICE
EER-1	4000	0.5	3	2900	1.0	3	SUMMER 95.0	80.0	82.3	69.5	0.878	11.3	20	480/3/60	(1) (2) SEMCO FV-5000HS