

FAN COIL UNIT SCHEDULE																		DAIKIN AS STD.		
UNIT NO	TYPE	MODEL NUMBER	SA CFM	MOTOR DATA		COIL DATA										UNIT PHYSICAL SIZE		UNIT PHYSICAL WEIGHT (LBS)	REMARKS	
				HP	VOLTS	NO OF ROWS	CHILLED WATER					HOT WATER								
					/PHASE		ENT H2O	MBH	ENT AIR	LVG AIR	GPM	ENT H2O	MBH	ENT AIR	LVG AIR					GPM
							LVS H2O	TTL	WB	WB	P.D. FT/KC	LVS H2O	SENS	DB	DB	P.D. FT/KC				
FCU 02	VERTICAL	FCVH-102	189	1/20	277 1	4	45 54	4.0 4.4	74 74	54.7 62	0.9 0.3	120 100	6.5	72.0	103.2	0.6 0.13	18.8" X 9.6" X 24.0"	56	-UNIT MOUNTED 3-SPEED SWITCH WITH OFF POSITION -DISCONNECT SWITCH (BY ELECTRICAL CONTRACTOR)	
FCU 03	VERTICAL	FCVH-103	243	1/20	277 1	4	45 54	4.8 5.2	74 62	56.1 54.7	1.0 0.5	120 100	9.0	72.0	105.9	0.9 0.28	24.3" X 9.6" X 24.0"	64	-PROVIDE WITH MANUFACTURER'S BAGNET ENABLED THERMOSTAT FOR CONNECTION TO BMS, MODEL IM-1234-1	
FCU 04	VERTICAL	FCVH-104	343	1/25	277 1	4	45 54	7.9 9.0	74 62	53.0 52.8	1.8 1.6	120 100	14.4	72.0	110.3	1.4 0.70	29.8" X 9.6" X 24.0"	76		
FCU 06	VERTICAL	FCVH-106	553	1/12	277 1	4	45 54	11.4 13.3	74 62	55.1 53.7	2.7 0.5	120 100	20.2	72.0	105.3	2.8 19.6	40.8" X 9.6" X 24.0"	94		

VAV BOX WITH 1 ROW HYDRONIC COIL													ANEMOSTAT AS STD.
SYMBOL	PRIMARY AIR VALVE			HOT WATER COIL					PHYSICAL SIZE			MANUFACTURER MODEL NUMBER	REMARKS:
	MIN CFM	MAX CFM	MIN SP. IN/AG.	ENT H ₂ O	NO. OF ROWS	GPM /H ₂ O P.D. FT/AG.	AIR TEMP. RISE /H ₂ O P.D. FT/AG.	AIR P.D. FT/AG.	INLET SIZE	DUCT DISCHARGE	BOX DIMENSION		
VAV 1	60	300	0.27	120 100	1	1 0.2	-	0.07	5Φ	10" x 10"	21 5⁄8" x 16 1⁄2" x 10"	EZTS	PROVIDE THE FOLLOWING FACTORY OPTIONS(TYPICAL FOR ALL SIZES).
VAV 2	90	450	0.23	120 100	1	1 0.2	-	0.23	6Φ	10" x 10"	21 5⁄8" x 16 1⁄2" x 10"	EZTS	1. FACTORY MOUNTED DDG CONTROLS (PROVIDED BY BMS)
VAV 3	160	700	0.25	120 100	1	2 2.4	-	0.24	8Φ	12" x 10"	21 5⁄8" x 18 1⁄2" x 10"	EZTS	2. 1 ROW HOT WATER COIL
VAV 4	270	1,000	0.24	120 100	1	2 3.4	-	0.23	10Φ	14" x 12 1⁄2"	23 5⁄8" x 20 1⁄2" x 12 1⁄2"	EZTS	3. INSULATED HINGED BOTTOM ACCESS DOOR
VAV 5	360	1,400	0.25	120 100	1	3 0.5	-	0.23	12Φ	16" x 15"	27 5⁄8" x 22 1⁄2" x 15"	EZTS	4. 1" DUAL DENSITY MATTE FACED FIBERGLASS INSULATION 5. 24V ACTUATORS - ACTUATORS WIRED BY BMS

GREENHECK AS STD.

EXHAUST FAN SCHEDULE														
NO	FAN DATA						MOTOR DATA		MODEL NO.	WEIGHT LBS.	DIMENSIONS (LXWXH)	DRIVE	ELECTRIC DATA VOLTS / PHASE	REMARKS:
	SERVICE	LOCATION	TOTAL AIR CFM	FAN SPEED RPM	EXT. STATIC PRESS	BHP	HP	SPEED RPM						
EF 1	WCC UNISEX BATH	ROOF	75	1321	0.25	0.01	1/15	1125	GUE-060-VG	24	19.63"X 19.63"X 13.50"	DIRECT	115 1	SEE NOTES BELOW:
EF 2	DPS PANTRY	ROOF	100	1424	0.25	0.02	1/15	1125	GUE-060-VG	24	19.63"X 19.63"X 13.50"	DIRECT	115 1	SEE NOTES BELOW:
EF 3	DPS FEMALE LOCKERS, DPS MALE LOCKERS	ROOF	150	1672	0.25	0.03	1/15	1125	GUE-060-VG	24	19.63"X 19.63"X 13.50"	DIRECT	115 1	SEE NOTES BELOW:
EF 4	DLS PANTRY	ROOF	100	1424	0.25	0.02	1/15	1125	GUE-060-VG	24	19.63"X 19.63"X 13.50"	DIRECT	115 1	SEE NOTES BELOW:
EF 5	DLN PANTRY	ROOF	100	1424	0.25	0.02	1/15	1125	GUE-060-VG	24	19.63"X 19.63"X 13.50"	DIRECT	115 1	SEE NOTES BELOW:
EF 6	PUBLIC RESTROOMS	ROOF	700	1725	0.46	0.11	1/10	1125	GUE-090-VG	32	22.25"X 22.25"X 13.38"	DIRECT	115 1	SEE NOTES BELOW:
EF 7	DLR PANTRY	ROOF	100	1424	0.25	0.02	1/15	1125	GUE-060-VG	24	19.63"X 19.63"X 13.50"	DIRECT	115 1	SEE NOTES BELOW:
EF 8	FU PANTRY	ROOF	100	1424	0.25	0.02	1/15	1125	GUE-060-VG	24	19.63"X 19.63"X 13.50"	DIRECT	115 1	SEE NOTES BELOW:
EF 9	LUNCH/BREAK	ROOF	150	1672	0.25	0.03	1/15	1125	GUE-060-VG	24	19.63"X 19.63"X 13.50"	DIRECT	115 1	SEE NOTES BELOW:
EF 10	STAFF RESTROOMS	ROOF	635	1702	0.5	0.11	1/10	1125	GUE-090-VG	32	22.25"X 22.25"X 13.38"	DIRECT	115 1	SEE NOTES BELOW:
EF 11	DOF PANTRY, WCC PANTRY	ROOF	200	1725	0.47	0.03	1/15	1125	GUE-070-VG	24	19.63"X 19.63"X 13.50"	DIRECT	115 1	SEE NOTES BELOW:
EF 12	NORTH ELECTRICAL ROOM	WCC UNISEX BATHROOM	100	1177	0.1	0.01	1/15	1125	SQ-060-VG	32	12.00"X 12.00"X 16.00"	DIRECT	115 1	SEE NOTES BELOW:
EF 13	CENTRAL ELECTRICAL ROOM	PUBLIC RESTROOMS MALE	100	1177	0.1	0.01	1/15	1125	SQ-060-VG	32	12.00"X 12.00"X 16.00"	DIRECT	115 1	SEE NOTES BELOW:

NOTES:
1. SWITCH NEMA-1, TOGGLE, SHIPPED WITH UNIT
2. MANUFACTURER'S ROOF CURB
3. INTEGRAL ISOLATION DAMPER

HOT WATER COIL SCHEDULE																	TRANE AS STD.
NO	LOCATIONS	SERVICE	CFM	FACE VELOCITY (FPM)	COIL SIZE		FACE AREA SQ.FT.	ROWS	FNS/FOOT	ENT. WATER	ENT. AIR	MBH/HR	GPM	WATER MAX P.D. IN H.G.	MODEL	REMARKS:	
					WIDTH	HEIGHT				LVS. WATER	LVS. AIR						
HWC 1	STAGING BREAK ROOM	GRAND JURY ROOM	1450	892	19	12	1.63	4	80	120	60.0	31.91	3.20	0.36	0.68	DN0B190 1260DAB08 05ABA0AA	-TO BE CONTROLLED THROUGH RTU-1. CONNECT TO THERMOSTAT SERVING RTU-1.

ROOF TOP UNIT SCHEDULE																	TRANE AS STD.			
SYSTEM DATA			EVAPORATOR FAN DATA				EVAPORATOR COOLING COIL DATA				UNIT ELEC. DATA		UNIT PHYSICAL DIMENSIONS LxWxH	TOTAL UNIT WEIGHT	UNIT EER	UNIT COP	REMARKS:			
NO.	SERVICE	LOCATION	MANUFACTURER/ NUMBER	TOTAL AIR CAP. CFM	EXT. STATIC PRESS. (IN. WG.)	FAN RPM	MOTOR DATA		NET CAPACITIES			* (AIR TEMP. F LEAVING UNIT)						VOLTS	KWT. AMPS	
						WHEEL DIA.	QTY	MOTOR SPEED RPM	SENS. MBH	LATENT MBH	TOTAL MBH	ENT. DB								LVS. DB
RTU 1	JURY ROOM	ROOF	TRANE THC04TE4ROA	1450	1.0	1039	1.0	-	33.1	11.4	44.5	76.5	54.0	460	14.0	653	13.0	SEE NOTES BELOW		
						-	1	-				63.5	53.0	3	20.0				88.7"	
																			53.3"	
																		40.9"		
-MERV 13 FILTER -BOTTOM SUPPLY AND RETURN -INTEGRAL DISCONNECT -ECONOMIZER -PROVIDE WITH MANUFACTURER'S BAGNET ENABLED THERMOSTAT FOR CONNECTION TO BMS -PROVIDE WITH MANUFACTURER'S CURB MODEL BAYCURB043																				

ABBREVIATIONS		
ABBREV.	DESCRIPTION	ABBREV. DESCRIPTION
A.C.	AIR CONDITIONING CONTRACTOR	FT. FEET
A.D.	ACCESS DOOR	GA. GAUGE
AFF	ABOVE FINISH FLOOR	G.C. GENERAL CONTRACTOR
AL	ALUMINUM DUCTWORK	G.I. GALVANIZED IRON
ALD	AUTOMATIC LOUVER DAMPER	GPM GALLONS PER MINUTE
ALN.S.M.S	ALUMINUM LOUVER AND WIRE MESH SCREEN	H.C. HEATING COIL
A.P.	ACCESS PANEL	H.C.L.G. HUNG CEILING
ATC	AUTOMATIC TEMPERATURE CONTROLS	HE HEAT EXCHANGER
B.B.	BASE BOARD RADIATION	HP HORSE POWER
B.F.	BLIND FLANGE	H.P.R. HIGH PRESSURE STEAM RETURN
B.G.	BOTTOM GRILLE	H.P.S. HIGH PRESSURE STEAM SUPPLY
B.I.	BLACK IRON	HT. HEIGHT
BLDG.	BUILDING	HVAC HEATING VENTILATING AND AIR CONDITIONING
BMS	BUILDING MANAGEMENT SYSTEM	HMR. HOT WATER RETURN
B.O.	BLANK OFF	HMS HOT WATER SUPPLY
C.C.	CEILING COIL	HTHWR. HIGH-TEMP HOT WATER RETURN
CD	CEILING DIFFUSER	HTHMS HIGH-TEMP HOT WATER SUPPLY
C.F.M.	CUBIC FEET PER MINUTE	I.B. INTERNAL BOOT
CH	CABINET HEATER	IN. INCHES
CHWR	CHILLED/HOT WATER RETURN	KE. KITCHEN EXHAUST
CHWS	CHILLED/HOT WATER SUPPLY	LB. POUND
CLS	CEILING	LPR. LOW PRESSURE STEAM RETURN
C.L.O.	CLEAN OUT	LPS. LOW PRESSURE STEAM SUPPLY
C.O.	CAPPED OUTLET	MBH. 1000'S BTU/H.R.
C.O.D.	CLEAN OUT DOOR	M.C.C. MOTOR CONTROL CENTER
CP	CONDENSATE PUMP	MD. MOTORIZED DAMPER
CR	CEILING REGISTER	M.P.R. MEDIUM PRESSURE STEAM RETURN
CT	COOLING TOWER	OA. OUTLET AIR
CW	CITY COLD WATER	OAL. OUTSIDE AIR INTAKE
CWR	CONDENSER WATER RETURN	O.V. OUTLET VELOCITY
CWS	CONDENSER WATER SUPPLY	P.C. PLUMBING CONTRACTOR
D	DRAIN	PD. PUMP DISCHARGE
DIA.	DIAMETER	P.H.C. PRE-HEAT COIL
DN	DOWN	P.O. PLUGGED OUTLET
DWAG	DRAINING	P.R.V. PRESSURE REDUCING VALVE
EH	EXHAUST FAN	P.S.I. POUNDS PER SQUARE INCH
ELEC.	ELECTRICAL	P.T. PITOT TUBE
ELEC.CONTR.	ELECTRIC CONTRACTOR	R.A. RETURN AIR
ELEV.	ELEVATION	R.A.G. RETURN AIR GRILLE
EQUIP.	EQUIPMENT	R.H.C. RE-HEAT COIL
EXH.	EXHAUST	S.A. SUPPLY AIR
EXIST	EXISTING	S.P. STATIC PRESSURE
F	FILTER	SPRINK. SPRINKLER CONTRACTOR
FAL	FRESH AIR INTAKE	SQ.FT. SQUARE FEET
F.B.O.	FURNISH BY OTHERS	T.C. TOP CONNECTION
FC	FLEXIBLE CONNECTION	T.D. TRANSFER DUCT
FD	FLOOR DRAIN	T.G. TOP GRILLE
FFD	FUNNEL DRAIN	TR. TOP REGISTER
FL	FLOOR	TR.GR. TRANSFER GRILLE
FL	FLOOR	U.A. UNDERWRITER'S APPROVED
FL	FINNED LENGTH	U.H. UNIT HEATER
FLD	FUSIBLE LINK DAMPER	V.D. VOLUME DAMPER (MANUAL)
FLT.G.	FUSIBLE LINK TOP GRILLE	V.F.D. VARIABLE FREQUENCY DRIVE
FL.T.R.	FUSIBLE LINK TOP REGISTER	V.O. VALVED OUTLET
FSD	COMBINATION MOTORIZED FIRE & SMOKE DAMPER	W.M.S. WIRE MESH SCREEN
		W.U. WINDOW UNIT

DRAWING-ISSUE LIST									
Sheet #	Sheet Title								
M-010	SYMBOLS, ABBREVIATIONS, SCHEDULES, AND NOTES	X							
M-011	SCHEDULES	X							
M-020	DETAILS	X							
M-021	DETAILS	X							
M-030	AIR RISER DIAGRAM	X							
M-098	GROUND FLOOR KEY PLAN	X							
M-099	GROUND FLOOR MECHANICAL ROOM	X							
M-101	MECHANICAL PLAN - 3RD FLOOR WEST WING	X							
M-102	MECHANICAL PLAN - 3RD FLOOR CENTRAL WING	X							
M-103	MECHANICAL PLAN - 3RD FLOOR NORTH WING	X							
M-104	MECHANICAL PLAN - ROOF	X							
M-201	MECHANICAL PIPING PLAN - 3RD FLOOR WEST WING	X							
M-202	MECHANICAL PIPING PLAN - 3RD FLOOR CENTRAL WING	X							
M-203	MECHANICAL PIPING PLAN - 3RD FLOOR NORTH WING	X							
M-901	MECHANICAL DEMOLITION PLAN - 3RD FLOOR WEST WING	X							
M-902	MECHANICAL DEMOLITION PLAN - 3RD FLOOR CENTRAL WING	X							
M-903	MECHANICAL DEMOLITION PLAN - 3RD FLOOR NORTH WING	X							

SYMBOL LIST			
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	NEW DUCTWORK - REFER TO SPECIFICATIONS FOR INSULATION		INDICATES REMOTE DAMPER WITH CABLE OPERATOR
	NEW DUCTWORK MADE WITH ALUMINUM OR STAINLESS STEEL		FUSIBLE LINK DAMPER
	ROUND DUCTWORK		COMBINATION MOTORIZED SMOKE AND FIRE DAMPER
	EXISTING DUCTWORK TO BE REMOVED		AUTOMATIC LOUVER DAMPER
	EXISTING DUCTWORK TO REMAIN		VOLUME DAMPER
	FLEXIBLE DUCTWORK		CHILLED/HOT WATER SUPPLY
	DUCT UP		CHILLED/HOT WATER RETURN
	DUCT DOWN		HOT WATER SUPPLY
	SUPPLY AIR DUCT		HOT WATER RETURN
	RETURN OR EXHAUST DUCT		HIGH-TEMP HOT WATER SUPPLY
	SUPPLY DIFFUSER		HIGH-TEMP HOT WATER RETURN
	RETURN REGISTER		VENT ON RELIEF LINE
	SIDE WALL SUPPLY GRILLE		PUMP DISCHARGE
	SIDE WALL EXHAUST GRILLE		DRAIN LINE
	BMS THERMOSTAT		CITY WATER
	COMBINATION THERMOSTAT AND HUMIDITY SENSOR		PIPE UP
	COMBINATION THERMOSTAT, HUMIDITY SENSOR, AND CO2 SENSOR		PIPE DOWN
	SELF CONTAINED PROGRAMMABLE THERMOSTAT		PIPE STUB UP
	TEMPERATURE SENSOR		FLOW DIRECTIONS
	COMBINATION TEMPERATURE AND HUMIDITY SENSOR		PITCH PIPE UP OR DOWN
	COMBINATION TEMPERATURE CO2 SENSOR		FULL PORT BALL VALVE
	HUMIDISTAT		GATE VALVE
	HUMIDITY SENSOR		GLOBE VALVE
	STATIC PRESSURE TRANSMITTER		L