FAN COIL UNIT SCHEDULE

UNIT NO.	FAN DATA							COOLING DATA								HEATING DATA								MOTOR DATA			DIMENSIONS (IN) OPERATING					ACOUSTICAL PREFORMANCE (ACCORDANCE WITH ARI STANDARD 350-86)							BASIS OF SELECTION AND MODEL
	QUANTITY	LOCATION	FLOW	CFM	EXT. SP (IN WG)	WATT (W)	RPM	COIL AIR		WATER			COIL CAP. (MBH)		MIN ROWS DEEP	AIR		WATER			COIL (MBH)	MIN ROW	NO	HP	V	PH	C	SPEED	WIDTH	LENGTH	HEIGHT	WEIGHT (LBS)	63	125	250	500	1000	2000	4000	
								EDB (°F)	EWB (°F)	GPM	P.D. (FT)	EWT (°F)	TOTAL	SENSIBLE		EDB (°F)	GPM	P.D. (FT)	EWT (°F)																				
FCU-1	1	RM 007	HORIZONTAL	1000			1000-1417	75	62.50	5.52	5.26	45	26.34	22.35	4	60	3.19	9.69	140	33.14	1	1	1	1/2	460	3	60	845	40	44	18	176.8	80	71	49	33	22	19	15	TRANE BCHC036GT**A3AM2 G0000-0B04
FCU-2	1	RM 009	HORIZONTAL	1000				75	62.50	5.52	5.26	45	26.34	22.35	4	60	3.19	9.69	140	33.14	1	1	1	1/2	460	3	60	845	40	44	18	176.8	80	71	49	33	22	19	15	TRANE BCHC036GT**A3AM2 G0000-0B04
FCU-3		RM 003	HORIZONTAL	1500	0.7		727-1029	75	62.50	7.10	1.59	45	33.82	31.39	4	60	3.88	0.24	140	40.49	1	1	1	1/2	460	3	60	1268	40	47	22	216.7	74	71	51	37	31	28	22	TRANE BCHC054GT**A3M2E G0000-0B04
FCU-4		RM 001	HORIZONTAL	675	0.7		1313-1859	75	62.50	3.87	6.83	45	17.54	14.60	6	60	1.50	1.52	140	16.87	1	1	1	3/4	460	3	60	1298	24	38	14	112.1	77	73	61	48	36	34	29	TRANE BCHC018GT**A3AN3 J0000-0B04
FCU-5		RM 017	HORIZONTAL	950			1000-1417	75	62.50	5.30	4.90	45	25.35	21.42	4	60	3.10	9.23	140	32.20	1	1	1	1/2	460	3	60	803	40	44	18	176.8	80	70	49	32	21	18	15	TRANE BCHC036GT**A3AM2 G0000-0B04
FCU-6		RM 100	VERTICAL	575	0.02	133	1103	75	62.50	2.90	3.96	45	14.09	11.99	3	60	1.87	13.34	140	18.65	1	1	1	0.130	277	1	60		10	56	26	147	64	63	63	58	53	48	45	TRANE FCAB08
FCU-7		RM 100	VERTICAL	575	0.02	133	1103	75	62.50	2.90	3.96	45	14.09	11.99	3	60	1.87	13.34	140	18.65	1	1	1	0.130	277	1	60		10	56	26	147	64	63	63	58	53	48	45	TRANE FCAB08
FCU-8		RM 100	VERTICAL	575	0.02	133	1103	75	62.50	2.90	3.96	45	14.09	11.99	3	60	1.87	13.34	140	18.65	1	1	1	0.130	277	1	60		10	56	26	147	64	63	63	58	53	48	45	TRANE FCAB08
FCU-9		RM 100	VERTICAL	575	0.02	133	1103	75	62.50	2.90	3.96	45	14.09	11.99	3	60	1.87	13.34	140	18.65	1	1	1	0.130	277	1	60		10	56	26	147	64	63	63	58	53	48	45	TRANE FCAB08
FCU-10		RM 101	VERTICAL	200	0.02	65	1009	75	62.50	0.91	1.44	45	4.33	3.85	3	60	0.80	0.98	140	5.96	1	1	1	0.030	277	1	60		10	33	26	58	57	54	55	51	54	51	45	TRANE FCAB02
FCU-11		RM 101	VERTICAL	200	0.02	65	1009	75	62.50	0.91	1.44	45	4.33	3.85	3	60	0.60	0.98	140	5.96	1	1	1	0.030	277	1	60		10	33	26	58	57	54	55	55	54	51	45	TRANE FCAB02
FCU-12		RM 101	VERTICAL	200	0.02	65	1009	75	62.50	0.91	1.44	45	4.33	3.85	3	60	0.60	0.98	140	5.96	1	1	1	0.030	277	1	60		10	33	26	58	57	54	55	55	54	51	45	TRANE FCAB02
FCU-13		(S2) STAIR	VERTICAL	234	0.02	65	1009	75	62.50	0.91	1.44	45	4.33	3.85	3	60	0.60	0.98	140	5.96	1	1	1	0.030	277	1	60		10	33	26	58	57	54	55	55	54	51	45	TRANE FCAB02
FCU-14		RM 102	VERTICAL	525	0.02	124	1092	75	62.50	2.21	2.15	45	10.65	9.71	3	60	1.47	7.29	140	14.71	1	1	1	0.120	277	1	60		10	47	26	139	63	61	62	59	57	51	46	TRANE FCAB06
FCU-15		RM 102	VERTICAL	525	0.02	124	1092	75	62.50	2.21	2.15	45	10.65	9.71	3	60	1.47	7.29	140	14.71	1	1	1	0.120	277	1	60		10	47	26	139	63	61	62	59	57	51	46	TRANE FCAB06
FCU-16		RM 102	VERTICAL	525	0.02	124	1092	75	62.50	2.21	2.15	45	10.65	9.71	3	60	1.47	7.29	140	14.71	1	1	1	0.120	277	1	60		10	47	26	139	63	61	62	59	57	51	46	TRANE FCAB06
FCU-17		RM 102	VERTICAL	525	0.02	124	1092	75	62.50	2.21	2.15	45	10.65	9.71	3	60	1.47	7.29	140	14.71	1	1	1	0.120	277	1	60		10	47	26	139	63	61	62	59	57	51	46	TRANE FCAB06
FCU-18		RM 200	VERTICAL	575	0.02	133	1103	75	62.50	2.90	3.96	45	14.09	11.99	3	60	1.87	13.34	140	18.65	1	1	1	0.130	277	1	60		10	56	26	147	64	63	63	58	53	48	45	TRANE FCAB08
FCU-19		RM 200	VERTICAL	575	0.02	133	1103	75	62.50	2.90	3.96	45	14.09	11.99	3	60	1.87	13.34	140	18.65	1	1	1	0.130	277	1	60		10	56	26	147	64	63	63	58	53	48	45	TRANE FCAB08
FCU-20		RM 200	VERTICAL	575	0.02	133	1103	75	62.50	2.90	3.96	45	14.09	11.99	3	60	1.87	13.34	140	18.65	1	1	1	0.130	277	1	60		10	56	26	147	64	63	63	58	53	48	45	TRANE FCAB08
FCU-21		RM 200	VERTICAL	575	0.02	133	1103	75	62.50	2.90	3.96	45	14.09	11.99	3	60	1.87	13.34	140	18.65	1	1	1	0.130	277	1	60		10	56	26	147	64	63	63	58	53	48	45	TRANE FCAB08
FCU-22		RM 206	HORIZONTAL	575	0.02	133	1313-1859	75	62.50	3.42	5.48	45	15.71	12.89	6	60	1.40	1.32	140	15.39	1	1	1	1/2	460	3	60	1106	24	36	14	112	76	71	59	46	35	33	27	TRANE BCHC018GT**A3AN2 G0000-0B04
FCU-23		RM 201	VERTICAL	900	0.02	239	1098	75	62.50	4.36	5.69	45	21.07	17.99	3	60	1.69	15.60	140	25.34	1	1	1	0.130	277	1	60		10	75	26	200	68	67	67	61	57	52	47	TRANE FCAB12
FCU-24		RM 201	VERTICAL	900	0.02	239	1098	75	62.50	4.36	5.69	45	21.07	17.99	3	60	1.69	15.60	140	25.34	1	1	1	0.130	277	1	60		10	75	26	200	68	67	67	61	57	52	47	TRANE FCAB12
FCU-25		RM 202	VERTICAL	525	0.02	124	1092	75	62.50	2.21	2.15	45	10.65	9.71	3	60	1.47	7.29	140	14.71	1	1	1	0.120	277	1	60		10	47	26	139	63	61	62	59	57	51	46	TRANE FCAB06
FCU-26		RM 202	VERTICAL	525	0.02	124	1092	75	62.50	2.21	2.15	45	10.65	9.71	3	60	1.47	7.29	140	14.71	1	1	1	0.120	277	1	60		10	47	26	139	63	61	62	59	57	51	46	TRANE FCAB06
FCU-27		RM 202	VERTICAL	525	0.02	124	1092	75	62.50	2.21	2.15	45	10.65	9.71	3	60	1.47	7.29	140	14.71	1	1	1	0.120	277	1	60		10	47	26	139	63	61	62	59	57	51	46	TRANE FCAB06
FCU-28		RM 202	VERTICAL	525	0.02	124	1092	75	62.50	2.21	2.15	45	10.65	9.71	3	60	1.47	7.29	140	14.71	1	1	1	0.120	277	1	60		10	47	26	139	63	61	62	59	57	51	46	TRANE FCAB06
FCU-29		RM 203	VERTICAL	410	0.02	82	848	75	62.50	2.32	2.63	45	11.35	9.62	3	60	1.54	9.47	140	15.37	1	1	1	0.130	277	1	60	MEDIUM	10	56	26	59	56	57	52	47	41	36	31	TRANE FCAB08
FCU-30		RM 305	HORIZONTAL	2,740	0.7		727-1029	75	62.50	13.2	1.59	45	61.78	57.3	4	60	7.2	0.24	140	75.3	1	1	1	1.5	460	3	60	1268	40	47	22	216.7	74	71	51	37	31	28	22	TRANE LPCA.A06

NOTES:
1. SUBMIT ACOUSTICAL INFORMATION FOR ACOUSTICAL CONSULTANT REVIEW.
2. HORIZONTAL UNITS TO BE PROVIDED WITH WIRELESS THERMOSTAT.

DUAL WHEEL ENERGY RECOVERY UNIT SCHEDULE

UNIT NO.	AREA SERVED	LOCATION	FAN DATA															WINTER PROFORMANCE DATA												SUMMER PEFORMANCE DATA											
			SPACE OUTSIDE AIR CFM	AIR DATA		SUPPLY AIR FAN DATA				EXHAUST FAN DATA				HEATING COIL			CDQ ENTHALPY WHEEL				CDQ ENTHALPY WHEEL				HEATING COIL			ENTHALPY WHEEL				COOLING COIL SECTION DATA					CDQ PRE COOLING COIL DESICCANT WHEEL			
				SUPPLY CFM	EXH. AIR CFM	TSP IN WG	ESP IN WG	HP	RPM	TSP IN WG	ESP IN WG	HP	RPM	EDB	GPM	LDB	EDB	EWB	LDB	LWB	EDB	EWB	LDB	LWB	EDB	GPM	LDB	EDB	EWB	LDB	LWB	EDB	EWB	LDB	LWB	GPM	EDB	EWB	LDB	LWB
ERU-1	100% O.A.	MECH. ROOM 306	6000	6313	6313	5.1	2.0	15	1354	4.2	1.25	10	2300	10	29.5	55	10	2	53.9	42.9	–	–	–	–	55	17	80	95	78	80.6	67.6	76.8	68.4	50.0	49.5	67.94	80.6	67.8	76.8	68.4

CONTINUATION OF ERU SCHEDULE

CDQ POST COOLING COIL DESICCANT WHEEL				ELECTRICAL DATA			DIMENSIONS (IN)				MANUFACTURE MODEL NUMBER
EDB	EWB	LDB	LWB	VOLT	PH	HZ	WEIGHT LBS	MAX. (L)	MAX. (W)	MAX. (H)	
50.0	49.5	53.8	48.2	460	3	60	10,000	284-1/2	64	84	TRANE DUAL Wheel CDQ DW-SERIES CCAH SIZE 12

NOTES:
1. CHILLED WATER, EWT: 45°
2. HOT WATER, EWT: 140°
3. 313 CFM OF THE SUPPLY & EXHAUST CFM IS BYPASS AIR THRU THE ENTHALPY WHEEL.
4. TRANE CDQ LATENT WHEEL PROVIDE FOR DEHUMIDIFIRE FAN CONTROL.
5. PACKAGED DDC CONTROLS.
6. INTEGRAL SUPPLY AND EXHAUST FANS VFD'S.
7. HEAT RECOVERY WHEEL EXHAUST AIR CONDITIONS: – WINTER: 70F DB, 53F WB

AIR SEPARATOR SCHEDULE

UNIT NO	TANGENTIAL OPENING INLET/OUTLET (IN)	SERVICE	CAPACITY (GPM)	PRESSURE DROP WITH STRAINER (FT.) OF WATER	APPROXIMATE WEIGHT (LBS) (WET)	STRAINER FREE AREA IN SQ. INCH	HIGHT	DIA.	MANUFACTURER AND MODEL NUMBER OR APPROVED EQUAL
AS-1	2-1/2"	P-1 & P-2 (STANDBY)	62	0.8	78	34	20	10.75	TACO AC25F

N

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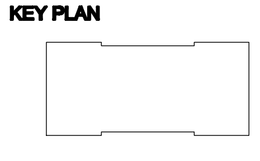
CONTRACT: DCCE-2007-C-0099

KEY PLAN



DATE:	DESCRIPTION:
06.18.08	SCHEMATIC DESIGN SET
09.01.08	DESIGN DEVELOPMENT
12.19.08	PERMIT SET
02.27.09	GMP SET
05.26.09	OGB PERMIT REVIEW
05.29.09	ADDENDUM 1

SHEET TITLE:

SCHEDULE MECHANICAL

M-2.02

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