

AIR HANDLING UNIT												
MARK	SERVES	LOCATION	TYPE	AIR QUANTITIES CFM			SUPPLY FAN CHARACTERISTICS			COILS		REMARKS
				SUPPLY MAX	SUPPLY MIN	OUTSIDE MIN	MIN MARK DIA IN	ARR	V-#HZ	HEATING	COOLING	
AH-B-1	DOCUMENT STORAGE	BASEMENT	CV	16000	N/A	800	SF-B-1	BLOW THRU	4603	HC-B-1	CC-B-1	TRANE MCC
AH-B-2	MUSEUM STORAGE	BASEMENT	CV	16000	N/A	1900	SF-B-2	BLOW THRU	4603	HC-B-2	CC-B-2	TRANE MCC
AH-B-3	STANDBY	BASEMENT	CV	16000	N/A	1900	SF-B-3	BLOW THRU	4603	HC-B-3	CC-B-3	TRANE MCC
AH-B-4	G. CORRIDOR	BASEMENT	CV	13200	N/A	800	SF-B-4	DRAW THRU	4603	HC-B-4	CC-B-4	TRANE MCC
AH-B-5	HOOD MAKE-UP	BASEMENT	CV	5010	N/A	5010	SF-B-5	DRAW THRU	4603	HC-B-5	CC-B-5	TRANE MCC
AH-B-6	ENTRY LOBBY	BASEMENT	CV	11 200	N/A	500	SF-B-6	DRAW THRU	4603	HC-B-6	CC-B-6	TRANE MCC
AH-B-7	ARCHIVE OFFICES	BASEMENT	VAV	13500		3200	SF-B-7	DRAW THRU	4603	HC-B-7	CC-B-7	TRANE MCC
AH-B-8	EXHIBIT ROOMS	BASEMENT	VAV	2600		425	SF-B-8	DRAW THRU	4603	HC-B-8	CC-B-8	TRANE MCC
AH-B-9	NORTH END SPACES	BASEMENT	VAV	18200		4600	SF-B-9	DRAW THRU	4603	HC-B-9	CC-B-9	TRANE MCC
AH-B-10	MEP-4	BASEMENT	CV	3200	3200	500	SF-B-10	DRAW THRU	4603	HC-1-10	CC-1-10	TRANE MCC
AH-1-1	PRODUCTION STUDIO	FIRST FLOOR	CV	2400	2400	500		DRAW THRU	4603	HC-1-1	CC-1-1	TRANE MCC
AH-1-2	CLASSROOMS	FIRST FLOOR	VAV	3800		800		DRAW THRU	4603	HC-1-2	CC-1-2	TRANE MCC
AH-1-3	HOOD MAKE-UP	FIRST FLOOR	CV	8750	8750	8750		DRAW THRU	4603	HC-1-3	N/A	TRANE MCC
AH-M-1	MUSEUM	2ND LEVEL	CV	4540	4540	1000		DRAW THRU	4603	HC-M-1	CC-M-1	TRANE MCC
AH-M-2	MUSEUM	2ND LEVEL	CV	4515	4515	0		DRAW THRU	4603	HC-M-2	CC-M-2	TRANE MCC
AH-M-3	MUSEUM	2ND LEVEL	CV	3605	3605	0		DRAW THRU	4603	HC-M-3	CC-M-3	TRANE MCC
AH-M-4	MUSEUM	2ND LEVEL	CV	4825	4825	1000		DRAW THRU	4603	HC-M-4	CC-M-4	TRANE MCC
AH-M-5	MUSEUM	2ND LEVEL	CV	4500	4500	550		DRAW THRU	4603	HC-M-5	CC-M-5	TRANE MCC
AH-M-6	MUSEUM	2ND LEVEL	CV	4500	4500	500		DRAW THRU	4603	HC-M-6	CC-M-6	TRANE MCC
AH-M-7	MUSEUM	2ND LEVEL	CV	3500	3500	400		DRAW THRU	4603	HC-M-7	CC-M-7	TRANE MCC
AH-M-8	MUSEUM	2ND LEVEL	VAV	6100		1600		DRAW THRU	4603	HC-M-8	CC-M-8	TRANE MCC
AH-M-9	GREAT HALL	2ND LEVEL	CV	7000	7000	2400		DRAW THRU	4603	HC-M-9	CC-M-9	TRANE MCC
AH-5-1	5TH FLOOR	2ND LEVEL	VAV	8800		900		DRAW THRU	4603	HC-5-1	CC-5-1	TRANE MCC
AH-5-2	CORE LOBBIES	2ND LEVEL	VAV	8200		1100		DRAW THRU	4603	HC-5-2	CC-5-2	TRANE MCC
AH-5-3	HOOD MAKE-UP	2ND LEVEL	CV	2720	2720	2720		DRAW THRU	4603	HC-5-3	CC-5-3	TRANE MCC

HOT WATER HEATING COILS/PREHEAT COILS															
MARK	LOCATION	CFM	FACE VEL	ROWS	FPF	CAPACITY MBH	EAT F"	LAT F"	MAX APD IN H2O	EWT	LWT	GPM	MAX WPD FT H2O	TURBS	REFERENCE PRODUCT
HC-B-2	AH-B-2 OIA DUCT	2400	534	2		143.2	55	100	0.25	180	140	8	10		TRANE "TT" ① ④
HC-B-3	AH-B-3 OIA DUCT	2400	534	2		143.2	55	100	0.25	180	140	8	10		TRANE "TT" ① ④
HC-B-4	AH-B-4	13200	665	1		429.5	60	90	0.25	180	140	22.0	10		TRANE
HC-B-5	AH-B-5	5010	691	4		394.5	3	75.6	0.85	180	140	20.0	10		TRANE ②
HC-B-6	AH-B-6	11,200	679	1		364.4	60	90	0.20	180	140	19.0	10		TRANE
HC-B-7	AH-B-7	13,500	681	1		292.8	40	60	0.20	180	140	15.0	10		TRANE
HC-B-8	AH-B-8	2600	595	1		56.4	40	60	0.20	180	140	3.0	10		TRANE
HC-B-9	AH-B-9	18 200	605	1		394.8	40	60	0.20	180	140	20.0	10		TRANE
HC-B-10	AH-B-10	3200	532	1		104.1	55	85	0.20	180	140	6.0	10		TRANE
HC-1-1	AH-1-1	2400	549	1		91.1	50	85	0.20	180	140	5.0	10		TRANE
HC-1-2	AH-1-2	3800	456	1		63.9	40	60	0.20	180	140	5.0	10		TRANE
HC-1-3	AH-1-3	8750	615	2		683.2	0	72	0.30	180	140	35.0	10		TRANE
HC-M-1a	AH-M-1	1000	490	2		52.3	0	48	0.20	180	140	14.0	10		TRANE ②
HC-M-1b	AH-M-1	4540	484	1		187.1	47	85	0.20	180	140	13.0	10		TRANE
HC-M-2	AH-M-2	4515							0.25	180	140	7.0	10		TRANE
HC-M-3a	AH-M-3	500	545	2		26.5	0	48	0.20	180	140	7.0	10		TRANE ②
HC-M-3b	AH-M-3	3605	493	1		148.6	47	85	0.20	180	140	10.0	10		TRANE
HC-M-4	AH-M-4	4825	579	1		209.3	45	85	0.20	180	140	21.0	10		TRANE
HC-M-5	AH-M-5	4500	540	1		195.2	45	85	0.20	180	140	10.0	10		TRANE
HC-M-6	AH-M-6	4500	540	1		195.2	45	85	0.20	180	140	10.0	10		TRANE
HC-M-7	AH-M-7	3500	539	1		141.8	45	85	0.20	180	140	8.0	10		TRANE
HC-M-8	AH-M-8	6100	542	1		132.3	40	60	0.20	180	140	18.0	10		TRANE
HC-M-9	AH-M-9	7000	569	2		303.7	45	85	0.20	180	140	16.0	10		TRANE
HC-5-1	AH-5-1	8800	600	1		190.9	40	60	0.20	180	140	10.0	10		TRANE
HC-5-2	AH-5-2	8200	559	1		177.9	40	60	0.20	180	140	9.0	10		TRANE
HC-5-3	AH-5-3	2720	657	4		216.0	3	76.2	0.85	180	140	13.0	10		TRANE ②

① LOCATE IN SUPPLY DUCT FROM DESICCANT UNIT
 ② WING COIL
 ③ 18" HIGH x 30" FINNED LENGTH
 ④ 18" HIGH x 36" FINNED LENGTH

CHILLED WATER COOLING COILS																		
MARK	LOCATION	CFM	FACE VEL	ROWS	FPF	TOTAL MBH	SENS MBH	EDB	EWB	LDB	LWB	MAX APD	EWT	LWT	GPM	MAX WPD	TURBS	REFERENCE PRODUCT
CC-B-2	AH-B-2	16000	469	2		262.1	262.1	75	56	60	49.7	0.20	42	56	44.0	10		TRANE
CC-B-3	AH-B-3	16000	469	2		262.1	266.1	75	56	60	49.7	0.20	42	56	44.0	10		TRANE
CC-B-4	AH-B-4	13200	455	6		385.2	319.6	77	64	55	54.2	0.65	42	56	55.0	10		TRANE
CC-B-5	AH-B-5	5010	520	6		388.1	261.2	102	77	55	54.8	1.0	42	56	56.0	15		TRANE
CC-B-6	AH-B-6	11,200	539	6		371.1	295.8	77	64	53	52.7	0.85	42	56	53.0	10		TRANE
CC-B-7	AH-B-7	13,500	554	6		384.4	431.6	81	66	53	52.7	1.0	42	56	84.0	10		TRANE
CC-B-8	AH-B-8	2600	444	6		104.4	77.4	80	66	53	52.6	1.0	42	56	15.0	10		TRANE
CC-B-9	AH-B-9	18 200	533	6		792.9	381.8	82	67	53	52.6	0.85	42	56	114.0	15		TRANE
CC-B-10	AH-B-10	3200	547	6		124.8	95.2	82	67	55	54.3	1.0	42	56	18.1	20		TRANE
CC-1-1	AH-1-1	2400	410	8		96.9	74.0	81	66	53	52.5	0.75	42	56	14.0	20		TRANE
CC-1-2	AH-1-2	3800	394	6		150.2	112.2	81	66	53	52.8	0.75	42	56	22.0	20		TRANE
CC-M-1a	AH-M-1	1000	364	8		97.7	33.6	97	77	47.0	46.9	0.85	42	56	14.0	10		TRANE
CC-M-1b	AH-M-1	4540	344	4		120.0	120.0	80.2	58.1	56.0	48.0	0.5	42	56	18.0	10		TRANE
CC-M-2	AH-M-2	4515	468	6		205.1	164.0	85	67	52	51.9	0.8	42	56	30.0	10		TRANE
CC-M-3a	AH-M-3	500	273	8		48.8	27.8	97	77	47.0	46.9	0.4	42	56	7.0	10		TRANE
CC-M-3b	AH-M-3	3605	478	4		107.7	107.7	83.3	39.3	36.0	48.0	0.4	42	56	16.0	10		TRANE
CC-M-4	AH-M-4	3675	381	8		211.5	172.02	89.6	63	47.0	46.9	0.75	42	56	31.0	10		TRANE
CC-M-5	AH-M-5	3900	404	8		196.4	172.8	87.4	64.9	47.0	46.9	0.85	42	56	28.0	10		TRANE
CC-M-6	AH-M-6	3900	404	8		196.4	172.8	87.4	64.9	47.0	46.9	0.85	42	56	28.0	10		TRANE
CC-M-7	AH-M-7	3050	404	8		152.0	134.6	87.2	64.8	47.0	46.9	0.75	42	56	22.0	10		TRANE
CC-M-8	AH-M-8	6100	495	6		276.5	251.1	89.5	66.8	52	51.6	0.75	42	56	40.0	10		TRANE
CC-M-9	AH-M-9	7000	569	6		356.0	281.2	92.4	71.0	56	55.3	0.90	42	56	51.0	10		TRANE
CC-5-1	AH-5-1	8800	524	6		319.7	242.3	78	65	53	52.8	0.85	42	56	46.0	10		TRANE
CC-5-2	AH-5-2	8200	488	6		298.9	234.7	79	65	53	52.7	0.75	42	56	43.0	10		TRANE
CC-5-3	AH-5-3	2720	465	6		209.7	141.8	102	77	53	54.9	0.90	42	56	30.0	10		TRANE

EXHAUST / RETURN / SUPPLY / FANS																					
MARK	SERVICE	LOCATION	CFM	ESP IN	RPM	HP WATT	BHP	VOLTS φ	DRIVE	TYPE	CONTROLS	SONES	MAX db AT OCTAVE BAND								REFERENCE PRODUCT
													63	125	250	500	1000	2000	4000	8000	
SF-B-11	SUPPLY	MEP4	4500	0.75	1143	1.5	1.3	460/3	BELT	①		18.8							COOK 195 SQN-B		
RF-B-1	RETURN	BASEMENT	15200	1.0	625	7.5	5.6	460/3	BELT	①		24	86	89	88	85	80	76	71	65	COOK 365 SQN-B
RF-B-2	RETURN	BASEMENT	14100	1.75	853	10	8.2	460/3	BELT	①		24	91	92	90	88	87	80	76	71	COOK 365 SQN-B
RF-B-3	RETURN	BASEMENT	14100	1.75	853	10	8.2	460/3	BELT	①		31	91	92	90	88	87	80	76	71	COOK 365 SQN-B
RF-B-7	RETURN	BASEMENT	10 300	0.75	721	5	2.89	460/3	BELT	①		25	85	93	88	80	77	79	69	64	COOK 300 SQN-B
RF-M-1	RETURN	SECOND FLOOR	3540	0.75	1493	1.5	1.24	460/3	BELT	③		22	81	83	87						