

HUMIDIFIER (ELECTRIC)							
DESIGNATION	SERVES	LOCATION	VOLTS	KW	MAX LBS/HR	STAGES	REFERENCE PRODUCT
H-B-1	AH-B-1	MEP-2	460/3Ø	9	25.7	1	DRI STEAM VLC 9-1
H-B-2	AH-B-2	MEP-2	460/3Ø	18	51.3	3	DRI STEAM VLC 18-3 ①
H-B-3	AH-B-3	MEP-2	460/3Ø	18	51.3	3	DRI STEAM VLC 18-3 ①
H-M-1	AH-M-1	2nd LEVEL	460/3Ø	18	51.3	3	DRI STEAM VLC 18-3 ①
H-M-2	AH-M-3	2nd LEVEL	460/3Ø	18	51.3	3	DRI STEAM VLC 18-3 ①
H-M-3	AH-M-5	2nd LEVEL	460/3Ø	18	51.3	3	DRI STEAM VLC 18-3 ①
H-M-4	AH-M-7	2nd LEVEL	460/3Ø	18	51.3	3	DRI STEAM VLC 18-3 ①

① PROVIDE FLOOR STAND FACTORY SOLENOID SHUT-OFF VALVE (EP-3), HOSE KIT AIRFLOW PROVE SWITCH & METAL LV-6 ULTRASORB MANIFOLD

FINNED TUBE						
HEATING ELEMENT	NO OF TUBES	FINS	FINS THICKNESS	CAPACITY BR/HFT	FINS/FOOT	REFERENCE PRODUCT

COMBUSTION AIR FANS						
MARK	SERVES	CFM	ESP IN	AMPS	VOLTSØ	REFERENCE PRODUCT
CF-1	GWH-1	200	0.4	10	120/1	TJERNLUND IN-FORCER PAI-4 ①
CF-2	GWH-2	200	0.4	10	120/1	TJERNLUND IN-FORCER PAI-4 ①

① PROVIDE ALARM CONTACTS FOR BUILDING AUTOMATION SYSTEM (BAS), HIGH AMBIENT TEMPERATURE CUT-OFF IN CASE OF MECHANICAL ROOM FIRE

AIR SEPARATOR						
MARK	GPM	MAX PSI FT	AIR REMOVAL %	SIZE TL	REFERENCE PRODUCT	
AS-1	175 GPM	1.0	97.2	4	B & G RL-4 ①	
AS-1	150 GPM	1.0	98	4	B & G RL-4 ①	
AS-3	50 GPM	1.0	97.4	2 1/2	B & G RL-2 1/2 ①	

① PROVIDE MODEL 107A AIR VENT

AIR HANDLING UNITS SUPPLY & FANS																			
MARK	SERVES	CFM	TSP	ESP IN	RPM	HP WATT	VOLTSØ	TYPE	DRIVE	CONTROLS	MAX. @ AT OCTAVE BAND (DISCHARGE)								REFERENCE PRODUCT
											63	125	250	500	1000	2000	4000	8000	
SF-B-1	AH-B-1	16000	5.0	2.5	1653	20	460/3	AF	BELT	---	82	77	85	72	74	72	68	61	TRANE
SF-B-2	AH-B-2	16000	5.0	2.5	1653	20	460/3	AF	BELT	---	82	77	85	72	74	72	68	61	TRANE
SF-B-3	AH-B-3	16000	5.0	2.5	1653	20	460/3	AF	BELT	---	82	77	85	72	74	72	68	61	TRANE
SF-B-4	AH-B-4	13200	4.25	2.0	983	20	460/3	FC	BELT	VFD	97	100	93	96	92	89	84	77	TRANE
SF-B-5	AH-B-5	5010	3.9	1.5	2909	7.5	460/3	B1	BELT	---	92	94	93	96	92	89	80	79	TRANE
SF-B-6	AH-B-6	11200	5.7	2.5	2133	20	460/3	B1	BELT	---	98	102	100	103	99	95	86	84	TRANE
SF-B-7	AH-B-7	13500	5.4	2.5	1025	20	460/3	FC	BELT	VFD	97	99	91	94	91	87	82	75	TRANE
SF-B-8	AH-B-8	2800	5.4	2.5	2339	5	460/3	FC	BELT	VFD	96	92	90	86	86	82	80	72	TRANE
SF-B-9	AH-B-9	18200	5.2	2.5	1765	25	460/3	AF	BELT	VFD	96	97	99	93	91	81	76	70	TRANE
SF-B-10	AH-B-10	3200	2.62	0.75	1693	3	460/3	FC	BELT	---	91	86	86	82	82	80	78	70	TRANE
SF-1-1	AH-1-1	2400	3.9	1.0	1963	3	460/3	FC	BELT	---	92	88	86	82	81	78	76	68	TRANE
SF-1-2	AH-1-2	3800	4.5	2.5	2708	7.5	460/3	B1	BELT	VFD	90	93	90	93	88	85	76	75	TRANE
SF-1-3	AH-1-3	8750	1.8	0.75	796	7.5	460/3	FC	BELT	---	94	91	83	82	81	79	74	68	TRANE
SF-M-1	AH-M-1	4540	4.8	1.0	2364	7.5	460/3	AF	BELT	---	96	96	93	91	87	79	71	64	TRANE
SF-M-2	AH-M-2	4515	3.4	1.0	2626	5	460/3	B1	BELT	---	89	92	90	93	89	85	76	75	TRANE
SF-M-3	AH-M-3	3605	4.1	1.0	1722	5	460/3	FC	BELT	---	96	91	89	85	85	81	80	71	TRANE
SF-M-4	AH-M-4	4825	4.2	1.0	2853	7.5	460/3	B1	BELT	---	91	94	92	95	91	88	80	78	TRANE
SF-M-5	AH-M-5	4500	4.63	1.5	2846	7.5	460/3	B1	BELT	---	91	94	92	95	91	87	78	77	TRANE
SF-M-6	AH-M-6	4500	4.63	1.5	2846	7.5	460/3	B1	BELT	---	91	94	92	95	91	87	78	77	TRANE
SF-M-7	AH-M-7	3500	4.71	1.75	1840	5	460/3	FC	BELT	---	97	92	90	86	86	82	80	72	TRANE
SF-M-8	AH-M-8	6100	6.61	3.5	2957	15	460/3	B1	BELT	VFD	91	89	85	94	88	87	82	79	TRANE
SF-M-9	AH-M-9	7000	3.8	1.0	2748	15	460/3	B1	BELT	---	95	98	96	100	96	93	84	83	TRANE
SF-5-1	AH-5-1	8800	5.2	2.5	2226	15	460/3	B1	BELT	VFD	96	99	97	100	96	92	84	82	TRANE
SF-5-2	AH-5-2	8200	5.05	2.5	2137	15	460/3	B1	BELT	VFD	95	98	96	99	95	90	82	80	TRANE
SF-5-3	AH-5-3	2720	3.93	1.5	1968	3	460/3	FC	BELT	---	93	88	87	83	83	79	78	69	TRANE

DUST COLLECTOR									
MARK	SERVES	CFM	STATIC PRESSURE (IN)	VELOCITY (FPM)	RPM	HP	VOLTSØ	DRIVE	REFERENCE PRODUCT
DC-1	PRODUCTION STUDIO	1600	8.6"	4580	3600	7.5	460/3Ø	DIRECT	CAR-MON MODEL 207-A ①

① PROVIDE DISCONNECT, AFTER FILTER (WITH HOUSING), 55 GALLON DRUM COLLECTOR & SILENCER

PAINT HOOD									
DESIGNATION	SERVICES LOCATION	INSIDE WORKING DIMENSIONS (WxHxD)	OUTSIDE OVERALL DIMENSIONS (WxHxD)	# OF LIGHT FIXTURES	# OF FILTERS	FAN			REFERENCE PRODUCT
						CFM @ 0.25 ESP	HP	VOLTSØ	
PH-1	ROOM 1-41	10'x7'x6'	10'-4"x7'-2"x9'-2"	2	20	8750	2	460/3Ø	JEI IDB-107 ①

① PROVIDE 2 4'-0" x 4 LAMP "DAY-BRIGHT" LIGHT FIXTURES (110V 32W LAMPS), MODEL CP1-24803 CONTROL PANEL

VARIABLE AIR VOLUME TERMINALS																				
MARK	SERVES	TYPE	INLET SIZE (IN)	MAX CFM	OSA CFM	MIN CFM (1)	PRIMARY HEAT CFM	A.P.D IN OF 180	MAX N.C	HEAT					FAN				REMARKS	
										EAT °F	ENTHALPY °F	CFM	MIN LAT °F	MIN MBH	ROW	GPM	ESP	HP		VOLTSØ
B-1	SEE PLANS	VAV	12	1500		300	300		30	55	180/140	1.0	90	11.4	1					ENVIRO-TEC SDR-WC
B-2	SEE PLANS	VAV	10	1200		600	600		30	55	180/140	1.75	90	22.8	2					ENVIRO-TEC SDR-WC
B-3	SEE PLANS	VAV	12	1500		300	300		30	55	180/140	0.75	90	11.4	1					ENVIRO-TEC SDR-WC
B-4	SEE PLANS	VAV	16	2700		1350	1350		30	55	180/140	4.0	90	51.3	2					ENVIRO-TEC SDR-WC
B-5	SEE PLANS	VAV	8	700		350	350		30	55	180/140	1.0	90	13.3	1					ENVIRO-TEC SDR-WC
B-6	SEE PLANS	VAV	16	3250		1625	1625		30	55	180/140	4.9	90	61.7	2					ENVIRO-TEC SDR-WC
B-7	SEE PLANS	VAV	8	575		275	275		30	55	180/140	1.25	90	10.4	1					ENVIRO-TEC SDR-WC
B-8	SEE PLANS	VAV	16	3250		1625	1625		30	55	180/140	5.0	90	61.7	2					ENVIRO-TEC SDR-WC
B-9	SEE PLANS	VAV	8	690		300	300		30	55	180/140	0.75	90	11.4	1					ENVIRO-TEC SDR-WC
1-1	SEE PLANS	VAV	19	3830		1915	1915		30	55	180/140	5.5	90	72.7	2					ENVIRO-TEC SDR-WC
1-2	SEE PLANS	VAV	6	375		75	75		30	55	180/140	0.75	90	2.8	1					ENVIRO-TEC SDR-WC
1-3	SEE PLANS	VAV	10	880		375	375		30	55	180/140	1.25	90	14.2	2					ENVIRO-TEC SDR-WC
1-4	SEE PLANS	VAV	6	350		75	75		30	55	180/140	0.75	90	2.8	1					ENVIRO-TEC SDR-WC
1-5	SEE PLANS	VAV	12	1140		550	550		30	55	180/140	1.5	90	20.9	2					ENVIRO-TEC SDR-WC
1-6	SEE PLANS	VAV	12	1140		550	550		30	55	180/140	1.5	90	20.9	2					ENVIRO-TEC SDR-WC
1-7	SEE PLANS	VAV	6	290		125	125		30	55	180/140	0.75	90	4.7	2					ENVIRO-TEC SDR-WC
1-8	SEE PLANS	VAV	6	245		75	75		30	55	180/140	0.75	90	2.8	1					ENVIRO-TEC SDR-WC
1-9	SEE PLANS	VAV	6	375		175	175		30	55	180/140	0.75	90	6.6	1					ENVIRO-TEC SDR-WC
1-10	SEE PLANS	VAV	10	850		275	275		30	55	180/140	0.75	90	10.4	1					ENVIRO-TEC SDR-WC
1-11	SEE PLANS	VAV	8	475		250	250		30	55	180/140	0.75	90	9.5	1					ENVIRO-TEC SDR-WC
1-12	SEE PLANS	VAV	10	825		400	400		30	55	180/140	1.25	90	15.2	2					ENVIRO-TEC SDR-WC
M-1	SEE PLANS	VAV	12	1600		500	800		30	55	180/140	2.25	90	30.4	2					ENVIRO-TEC SDR-WC
M-2	SEE PLANS	VAV	14	2000		600	1000		30	55	180/140	3.0	90	38.0	2					ENVIRO-TEC SDR-WC
2-1	SEE PLANS	VAV	12	1440		400	625		30	55	180/140	2.0	90	23.7	2					ENVIRO-TEC SDR-WC
2-2	SEE PLANS	VAV	10	1000		250	400		30	55	180/140	1.25	90	15.2	2					ENVIRO-TEC SDR-WC
2-3	SEE PLANS	VAV	12	1560		400	600		30	55	180/140	2.0	90	22.8	2					ENVIRO-TEC SDR-WC
2-4	SEE PLANS	VAV	12	1440		400	625		30	55	180/140	2.0	90	23.7	2					ENVIRO-TEC SDR-WC
2-5	SEE PLANS	VAV	10	1050		250	350		30	55	180/140	1.0	90	13.3	2					ENVIRO-TEC SDR-WC
2-6	SEE PLANS	VAV	12	1245		400	500		30	55	180/140	1.5	90	19.0	2					ENVIRO-TEC SDR-WC
3-1	SEE PLANS	VAV	8	600		125	125		30	55	180/140	0.75	90	4.7	1					ENVIRO-TEC SDR-WC
3-2	SEE PLANS	VAV	14	2000		400	400		30	55	180/140	1.0	90	15.2	1					ENVIRO-TEC SDR-WC
3-3	SEE PLANS	VAV	14	2150		1075	1075		30	55	180/140	3.25	90	40.8	2					ENVIRO-TEC SDR-WC
3-4	SEE PLANS	VAV	8	700		350	350		30	55	180/140	1.0	90	13.3	1					ENVIRO-TEC SDR-WC
3-5	SEE PLANS	VAV	8	500		250	250		30	55	180/140	0.75	90	9.5	1					ENVIRO-TEC SDR-WC
3-6	SEE PLANS	VAV	10	1200		600	600		30	55	180/140	1.75	90	22.8	1				</	