

three inches = one foot

one and one-half inches = one foot

one inch = one foot

three-quarters inch = one foot

one-half inch = one foot

three-eighths inch = one foot

one-quarter inch = one foot

one-eighth inch = one foot

AIR HANDLING UNIT SCHEDULE

SYS. NO.	FAN LOCATION	AREA SERVED	SUPPLY FAN DATA																	RETURN FAN DATA																	SOUND ATTENUATORS				FILTER	COIL	OPERATING WEIGHT (LBS)	REMARKS
			TOTAL CFM NOW	CFM FUTURE	NO. OF FAN CFM PER FAN	VOLUME CONTROL	MAX. AIR REDUCT	MIN. WHEEL DIA.	TYPE	CLASS	ARRANGE MENT	DISCHARGE	S.P. INCHES H2O	FAN RPM	DRIVE	MOTOR – 60 CYCLE					TOTAL CFM NOW	CFM FUTURE	NO. OF FAN	VOLUME CONTROL	MAX. AIR REDUCT	MIN. WHEEL DIA.	TYPE	CLASS	ARRANGE MENT	INLET	S.P. INCHES H2O	FAN RPM	DRIVE	MOTOR – 60 CYCLE										
																H.P.	B.H.P.	RPM	V.	Φ														H.P.	B.H.P.	RPM	V.	Φ						
																																							NO. REQ.	APPROX. SIZE W"X H" X L"				

AC-5, 1-H,6	1ST FLOOR INTERSTITIAL	TRANSITION CENTER	20,000	1,000	2 10,500	VFD	30%	22"	PLENUM	II	4	SIDE	4.1	1750	DIRECT	15	10	1750	460	3	19,500	1,000	1	VFD	30%	27"	PLENUM	II	4	SIDE	1.75	1750	DIRECT	15	12.6	1750	460	3	–	–	–	–	–	F-5	CC-5/ RC-5	13,000	SEE NOTES 1,2,3,4,5

NOTES: 1. HAAKON MODEL OR APPROVED EQUAL. 2. EACH FAN SHALL BE INTERNALLY ISOLATED. 3. PROVIDE SECONDARY DRAIN CONNECTION. 4. PROVIDE EMERGENCY POWER. 5. PROVIDE 8" BASE.

COIL SCHEDULE

I. D. NUMBER	LOCATION	SERVICE	CATALOG DATA				CHILLED COOLING COIL CAPACITY										REHEAT COIL CAPACITY								OPERATING WEIGHT (LB.)	REMARKS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
			COMPANY NAME	MODEL TYPE	QTY. EA.	FLOW (CFM)	AIR °F (DB/WB)		WATER °F		SENSIBLE LOAD (MBH)	TOTAL LOAD (MBH)	ROW NO.	FINS /IN.	PRESS. DROP (FT.)	FLOW (GPM)	FACE VEL. (FPM)	AIR °F (DB)		WATER °F		TOTAL LOAD (MBH)	ROW NO.	FINS /IN.			PRESS. DROP (FT.)	FLOW (GPM)	FACE VEL. (FPM)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
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CC-5	1ST FLOOR INTERSTITIAL	AC-5	HAAKON	5WH1008A	2	21,000	75.5/63.6	51.3/50.9	42	58.5	554.59	764.52	8	10	10.5	92.3	572	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

FILTER SCHEDULE

I. D. NUMBER	LOCATION	SERVICE	PRE-FILTER					AFTER-FILTER					OPERATING WEIGHT (LB.)	REMARKS
			NO. REQ.	NOMINAL SIZE	TYPE	INIT. PRESS	FINAL PRESS	NO. REQ.	NOMINAL SIZE	TYPE	INIT. PRESS	FINAL PRESS		
F-5	1ST FLOOR INTERSTITIAL	AC-5	6	2x24x24	PERFECT PLEAT HC-MERV 8	0.3	1.0	6	12x24x24	RIGIFIL II SH-MERV 15	0.56	1.5	INCLUDED	

CHILLED WATER FAN COIL UNIT-COOLING ONLY

I. D. NUMBER	UNIT LOCATION	* MFR. & SYSTEM NO.	AREA SERVED	QTY.	CAPACITY BTUH (NOM)	SUPPLY FAN DATA							COOLING COIL DATA						FILTERS	ELECTRICAL	OPER. WEIGHT (LBS.)	REMARKS
						NOM. CFM	E.S.P. (IN. W.G.)	TOTAL STATIC PRESS. (IN. W.G.)	WHEEL DIA. (IN.)	RPM	BHP	HP	AIR °F (DB/WB)		WATER °F		GPM	PRESS. DROP (FT.)		VOLT/PHASE/HZ		
													ENT.	LVG.	ENT.	LVG.						
FC-1 1-H-6	1ST FLR INTERSTITIAL SPACE	McQUAY LAH002A	ELECT. ROOM 1534	1	26,736	600	.5	0.82	7x7	1497	0.23	0.5	80/67	52.5/52.3	45	56.1	4.8	4.1	PLEATED (MERV 8)	460/3/60	200	WITH CONDENSATE DRAIN PUMP, SECONDARY DRAIN PAN, EMERGENCY POWER.

NOTES: * OR APPROVED EQUAL.

CHILLED WATER SELF-CONTAINED AIR CONDITIONING UNIT SCHEDULE

UNIT NO.	UNIT LOCATION	MANUFACTURER & MODEL NO. *	SERVICE	SUPPLY FAN DATA						ELECT.			OPER. WEIGHT (LBS.)	VIBRATION ISOLATION	REMARKS
				TYPE	CFM	EXT. (IN. W.G.)	RPM	H.P.	V./PH./HZ.	FLA	WSA	OPD			
					HIGH LOW										
FC-2 1-H-6	1ST FLR INTERSTITIAL SPACE	LIEBERT MMD23C	I.T. CLOSET/SIGNAL	TWO SPEEDS DIRECT DRIVE	750 600	0.3	—	0.2	208/1/60	26.4	33.0	35	300	—	* OR APPROVED EQUAL. SEE NOTES.

NOTES: SELF-CONTAINED WATER-COOLED DUCTED CONFIGURATION. PROVIDE CONDENSATE DRAIN PUMP, DISCONNECT SWITCH, FILTER BOX, ELECTRIC REHEAT. EMERGENCY POWER.

VARIABLE AIR VOLUME TERMINAL UNIT SCHEDULE (WITH REHEAT)

UNIT NO.	TYPE	DESIGN CFM	MAX. AIR PD (IN.)	MAX. RADIATED SOUND LEVEL PER MANUF. REQ'TS	INLET DUCT SIZE (DIA. IN.)	REHEAT COIL DATA							MANUFACTURER & MODEL NUMBER	REMARKS	
						AIR TEMP (°F)		WATER TEMP (°F)		MAX. WATER PD (FT. HD.)	MIN. MBH	GPM			PIPE DIA. (IN.)
						ENT.	LVG.	ENT.	LVG.						
VAV 4	(DES) DIR DIGITAL PRESSURE INDEPENDENT	35 — 225	0.5	20	4	55	90	180	160	1.5	7.6	0.75	3/4	ENVIRO—TEC MODEL SDR—WC OR EQUAL	SEE NOTES
VAV 5	(DES) DIR DIGITAL PRESSURE INDEPENDENT	65 — 400	0.5	20	5	55	90	180	160	1.5	15.2	1.5	3/4	ENVIRO—TEC MODEL SDR—WC OR EQUAL	SEE NOTES
VAV 8	(DES) DIR DIGITAL PRESSURE INDEPENDENT	145 — 700	0.5	20	8	55	90	180	160	1.5	26.5	2.65	3/4	ENVIRO—TEC MODEL SDR—WC OR EQUAL	SEE NOTES
VAV 10	(DES) DIR DIGITAL PRESSURE INDEPENDENT	205 — 1100	0.5	20	12	55	90	180	160	1.5	41.6	4.16	1	ENVIRO—TEC MODEL SDR—WC OR EQUAL	SEE NOTES
VAV 12	(DES) DIR DIGITAL PRESSURE INDEPENDENT	235 — 1500	0.5	20	12	55	90	180	160	1.5	56.7	5.67	1	ENVIRO—TEC MODEL SDR—WC OR EQUAL	SEE NOTES
VAV 14	(DES) DIR DIGITAL PRESSURE INDEPENDENT	405 — 2300	0.5	20	12	55	90	180	160	1.5	86.9	8.69	1	ENVIRO—TEC MODEL SDR—WC OR EQUAL	SEE NOTES
VAV 16	(DES) DIR DIGITAL PRESSURE INDEPENDENT	805—3000	0.5	20	16	55	90	180	160	1.5	113.4	11.34	1 1/4	ENVIRO—TEC MODEL SDR—WC OR EQUAL	SEE NOTES
NOTES: 1. BALANCE TERMINAL UNITS PER HVAC DRAWINGS. 2. SET TERMINAL CFM AS INDICATED ON FLOOR PLANS. 3. (ENVIRO—TEC & TITUS) MANUFACTURERS ARE VASD STANDARDS. 4. (JOHNSON CONTROLS) METASYS VMA 1400 SERIES NETWORK CONTROLLER IS VASD STANDARDS. 5. (JOHNSON CONTROLS) DIGITAL THERMOSTAT TMx1600 IS VASD STANDARDS. 6. (BELIMO) B3 SERIES CONTROL VALVES IS VASD STANDARDS. 7. (MARS) SERIES 503 MOD NO. 50327 CONTROL TRANSFORMER IS VASD STANDARDS. 8. PROVIDE TWO ROW HEATING HOT WATER COILS.															

EXHAUST FAN SCHEDULE

I. D. NUMBER	LOCATION	SERVICE	MANUFACTURER AND MODEL NO.	FAN DATA									MOTOR			EMERGENCY POWER (REQ'D.)	OPERATING WEIGHT (LB.)	REMARKS
				TYPE	DRIVE	ARR.	CAPACITY (CFM)	STATIC PRESS (IN.)	FAN RPM	OUTLET VELOCITY (FPM)	FAN (BHP)	WHEEL DIA. (IN.)	HP	RPM	VOLT/PH/HZ			
EF-1 1-H-6	INTERSTITIAL	FIRST FLOOR BLDG. 1	COOK 110SQN-B	INLINE	BELT	HORIZ.	1010	3/4	2452	-	.91	-	1.5	1725	460/3/60	YES	220	NOTES: 1,2,3,4
EF-2 1-H-6	INTERSTITIAL	FIRST FLOOR BLDG. 1	COOK 150SQN-B	INLINE	BELT	HORIZ.	2360	1.2	1306	-	.55	-	1	1725	460/3/60	YES	250	NOTES: 1,2,3,4

NOTES: 1. PROVIDE GRAVITY BACKDRAFT DAMPER. 2. PROVIDE EPOXY OR PHENOLIC COATING 3. PROVIDE PREMIUM EFFICIENCY MOTOR. 4. SEE DETAIL 3/1-H.11 FOR SUPPORT AND ANCHORAGE DETAILS.

INTAKE / RELIEF VENTILATOR

SYMBOL	LOCATION	SERVICE	CATALOG DATA		TYPE	CAPACITY CFM	STATIC PRESS IN.	THROAT SIZE IN. (W X L)	HOOD SIZE IN. (W X L)	OPERATING WEIGHT LB	REMARKS
			MANUFACTURER	MODEL TYPE							
V 1	MECH. ROOM ROOF	AC-5 RELIEF AIR	COOK	42X60X8TRE	TRE	18,000	0.344	42x60	53.75 x 71.75	500	PROVIDED WITH PREFAB ROOF CURB.
V 2	MECH. ROOM ROOF	AC-5 OSA INTAKE	COOK	72X84X9TRE	TRE	21,000	0.106	72x84	83.75 x 95.75	950	PROVIDED WITH PREFAB ROOF CURB.
V 3	2ND FLOOR DECK	EF-2 EXHAUST AIR	COOK	36X36X7TRE	TRE	2360	0.035	36x36	47.75 x 47.75	240	PROVIDED WITH PREFAB ROOF CURB.

T M A D
TAYLOR
& GAINES

- STRUCTURAL
- MECHANICAL
- ELECTRICAL
- CIVIL

100 South Anaheim Boulevard, Suite 150
Anaheim, California 92805
Phone: 714.490.5555 Fax: 714.490.5560
Project No. 2310-010-00

architecture and construction services

gkkworks

7676 Hazard Center Drive, Suite 500, San Diego, CA 92108
619 497 2559 : 619 497 2666 fax

OEF / OIF Transition Center

Schedules		BUILDING NO. 1	
<div>Department of Veterans Affairs 3350 LaJolla Village Dr. San Diego, California 92161</div>		<div>VA San Diego Healthcare System Desert Pacific Healthcare Network</div>	
		DATE: DECEMBER 22, 2010	
		CHECKED: B.O.	
		DRAWN: T.J.N.	
		SCALE: AS NOT	