

AIR CONDITIONING UNIT SCHEDULE

AC SYMBOL	MANUFACTURER & MODEL NO.	SERVICE	LOCATION	SUPPLY FAN DATA				COOLING				% EER/ IPLV	HEATING GAS (MBTUH)		FILTERS (MERV-8)		UNIT ELECTRICAL							CONTROLS	REFRIGERANT	OPER. WT. (LBS)	REMARKS						
				DRIVE	CFM	E.S.P. IN. W.G.	BHP	MIN. OSA CFM	TOTAL (MBTUH)	SENSIBLE (MBTUH)	EAT		LAT	INPUT	OUTPUT	QNTY	SIZE	COMP.(S)		IFM FLA	POWER EXHA- USTER	FLA	MCA					MOCP	POWER				
											DB							WB	DB										WB	QNTY	RLA (EA)	VOLTS	PHASE
AC-1	TRANE YSC072	1408 CONF/WORK	GRADE	BELT	2,400	0.8	1.07	400	68.24	56.69	78.00	62.80	55.25	52.24	11.0/11.5	80.0	64.80	4	16x25x2	1	10.6	-	4.0	19.6	23.2	34.0	460	3	60	PROGRAMMABLE T'STAT	R-410A	2000	① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩ ⑪

AC NOTES:

- ① PROVIDE WITH 2" THROW AWAY FILTERS (MERV 81 TO MEET ASHRAE TEST STANDARD 52.2) AT MAXIMUM 300 FPM (650 CFM) EACH FILTER.
- ② AMBIENT TEMPERATURE FOR DRY BULB COOLING IS 100°F FOR SELECTION OF ALL AC UNITS. DESIGN AMBIENT FOR "EAT" IS 102°F. MEAN COINCIDENT WET BULB VALUE IS 68°F.
- ③ THE AC UNITS SHALL BE MOUNTED ON LEVEL PREFABRICATED ISOLATION/SEISMIC CURBS COORDINATE INSTALLATION AND NEW LEVEL PAD WITH GENERAL CONTRACTOR.
- ④ PROVIDE FREEZE STAT AT THE COOLING COIL DISCHARGE. DISPLAY ALARM MESSAGE ON ROOM THERMOSTAT.
- ⑤ PROVIDE UNITS WITH A 100% INTEGRATED MODULATING ECONOMIZER/ MODULATING POWER EXHAUSTER (CENTRIFUGAL FAN TYPE) SYSTEM. ECONOMIZERS SHALL BE GEAR DRIVEN LINKAGE TYPE EQUIPPED WITH EXTRA LARGE RELIEF DAMPERS FOR UP TO 100% RELIEF CAPACITY.
- ⑥ PROVIDE STAND ALONE 7 DAY PROGRAMMABLE THERMOSTAT WITH LOCKING COVER AND WITH DISPLAYS.
- ⑦ SCHEDULE OPERATING WEIGHT INCLUDES ALL ACCESSORIES.
- ⑧ PROVIDE STARTER WITH SINGLE POINT POWER CONNECTION MOUNTED AT UNIT WITH DISCONNECT. (SCHEDULE FLA, MCA AND MOCP INCLUDES ALL ACCESSORIES)
- ⑨ PROVIDE WITH HIGH EFFICIENCY MOTOR(S).
- ⑩ PROVIDE WITH VVT SYSTEM INCLUDING CONTROLS AND SENSORS
- ⑪ PROVIDE SMOKE CONTROL PER CMC 609

AIR HANDLING UNITS

SYMBOL	SERVICE	TYPE	LOCATION	SA FAN DATA				COOLING COIL DATA										HEATING COIL DATA						FILTERS			OUTSIDE AIR (CFM)		UNIT ELECTRICAL				OPERATING WEIGHT LBS. (MAX.)	SIZE (MAX.)	REMARKS (SEE AH NOTES.)							
				CFM	S.P. (IN.)	SIZE	MOTOR HP	CAPACITY (MBH)		ENT. COND.		LVG. COND.		WATER FLOW (GPM)	PRESS. DROP		ROWS -FPF	MAX. FACE VELOCITY (FPM)	CAPACITY (MBH)	WATER		PRESS. DROP		AIR		ROWS	EFF. (%)	QTY.	SIZE	MIN. (T-24)	EXIST. (DESIGN)	MCA				FLA	MOCC	VOLT-PH-HZ				
								SENSIBLE	TOTAL	DB	WB	WTR (°F)	AIR °F		WTR (°F)	AIR °F				WTR (°F)	AIR (IN.)	WTR (FT.)	AIR (IN.)	WTR (FT.)	ENT. (°F)														LVG. (°F)	ENT. (°F)	LVG. (°F)	
AH-1	ZONE 1 1ST FLOOR	BLOW THRU	1408 MECH. ROOM	21,550	1.8	3.5	25	25	19.8	332.9	332.9	83.0	63.0	44	68.9	57.7	55	66.6	0.27	2.53	3 98	575	206,895	180	160	21.0	0.4	1.1	65.0	75.0	1	⑬	16	24X24X2	1913	2080	⑪ ⑫	⑪ ⑫	460-3-60	7000	L SHAPE MATCH EXISTING	① THRU. ⑨ ⑫
AH-2	ZONE 2 COMP. ROOM	BLOW THRU	1408 MECH. ROOM	10,005	2.0	3.6	24	10	9.6	197.8	197.8	83.0	63.0	44	625.0	56.4	55	36.9	0.15	1.65	4 87	327	116,200	180	160	11.6	0.14	0.32	58.5	70.2	1	⑬	9	24X24X2	2877	2000	⑪ ⑫	⑪ ⑫	460-3-60	4500	L SHAPE MATCH EXISTING	① THRU. ⑧ ⑩

AH NOTES:

- ① PROVIDE WITH INTERNAL ISOLATION AND SEISMIC RESTRAINT
- ② HARDWIRE EXISTING SA & RA SMOKE DETECTOR TO AIR HANDLING UNIT SHUT-DOWN.
- ③ CONTROL PANEL MOUNTED AT UNIT
- ④ ALL CONTROL PROVIDED AND INSTALLED BY THE BASE CONTRACTED CLIMATEC CONTROL CONTRACTOR
- ⑤ UNIT SHALL BE OF SECTIONALIZED CONSTRUCTION (MAXIMUM 5 FOOT SECTIONS) TO FIT THRU EQUIPMENT ROOM DOOR.
- ⑥ CONTRACTOR SHALL RECORD EXISTING AHU CFM, WATER & AIR TEMPERATURES AND STATIC PRESSURE PRIOR TO DEMOLITION OF EXISTING UNIT.
- ⑦ PROVIDE WITH SINGLE POINT POWER CONNECTION
- ⑧ PROVIDE MOTORS WITH VFDS
- ⑨ PROVIDE WITH T-24 100% ECONOMIZERS AND CONTROLS
- ⑩ NO ECONOMIZER ON EXISTING UNIT
- ⑪ PROVIDED BY ELECTRICAL
- ⑫ PROVIDE WITH ZONE DAMPERS (to be field verified)
- ⑬ PROVIDE WITH 2" FILTER RACK AND 2" THROW AWAY FILTERS (MERV 7 TO MEET ASHRAE TEST STANDARD 52.2) AT MAXIMUM 300FPM (650CFM) EACH FILTER

VVT SCHEDULE

MECHANICAL VENTILATION

A	MANUFACTURER AND MODEL	SIZE	LENGTH	WEIGHT LBS	CFM RANGE		MAX DAMPER SET CFM	REMARKS	B	C	D	E	F	G	H	I	M
					MIN.	MAX.			COND. AREA SQ.FT.	CFM PER SQ.FT.	MIN. CFM AREA	NUM. OF PEOPLE	CFM PER PEO.	MIN. CFM OCCUP.	REQ. D V.A. MAX.	DESIGN V.A. CFM	VVT DMPR MIN. SET CFM
ZD1-1	ZD SEE NOTE #3	14"φ	20"	27	640	1710	1100	SEE VVT NOTES.	600	.15	90	4	15	60	90	-	90
ZD1-2	ZD SEE NOTE #3	14"φ	20"	27	640	1710	1000	SEE VVT NOTES.	300	.15	45	10	15	150	150	-	120
CV-3	---	---	---	---	---	---	300	---	400	.15	60	0	15	0	60	-	60
BP-6	BP SEE NOTE #3	20"φ	20"	30	470	2400	1500	SEE VVT NOTES.	(1300)	-	(195)	(14)	-	(210)	(300)	(300)	-

- VVT NOTES:**
- 24VAC TRANSFORMER (FIELD SUPPLIED AND INSTALLED).
 - PROVIDE 120V-1PHASE LESS THAN 1AMP.
 - ALL VVT BOXES SHALL BE WITH DDC CONTROL OR EQUAL.
 - ALL DAMPERS SHALL BE AS INDICATED OR EQUAL.
 - ALL DAMPERS SHOULD BE PROVIDED WITH 120V OR 24 VAC POWER.
 - PROVIDE TRANSITIONS FROM SCHEDULED CONNECTING DUCT SIZES TO DAMPER SIZES.

V.A. NOTES:
1. TOTALS ARE SHOWN AS: (XXX).

FORMULA
D=BxC
G=ExF
H=MAX. OF E OR G
I=SYSTEM MIN. OSA SETTING

AIR OUTLET SCHEDULE

SYMBOL	TYPE	NECK SIZE IN.	FRAME SIZE IN.	RATED CFM	AT RATED CFM		CONN DUCT SIZE UON	REMARKS
					MAX. PD IN.WG	MAX. NOISE CRITERIA		
CD-1	SUPPLY	15X15	24X24	0-600	0.09	35	12"φ	KRUEGER PERFORATED TYPE 1100 W/ O.B.D. & R.N.R. WHERE REQD.
CD-2	SUPPLY	16"φ	4 RING	0-1100	0.09	35	16"φ	KRUEGER ROUND TYPE RM1 W/ O.B.D.
CD-3	SUPPLY	8x6	10x8	0-460	0.09	35	8x6	KRUEGER SIDE WALL TYPE 880 W/ O.B.D.
RAR/ER-1	RETURN	22X22	24X24	1000-1300	0.09	35	16"φ	KRUEGER PERFORATED TYPE 1190 W/ O.B.D. & R.N.R. WHERE REQD.
RAR/ER-2	RETURN	22X22	24X24	1000-1300	0.09	35	16X16	↓ ↓ ↓

PRIME CONTRACTOR: POJUAQUE PUEBLO SERVICES

RECORD DRAWINGS

SUBMITTED 11/21/2008



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JOB NO. 08-038



DESIGN FOR:
**BUILDING 1408
REPLACE CHILLER, BOILER AND AHU'S**
EDWARDS AIR FORCE BASE, CALIFORNIA 93523-8450

QUOTE/DWG #:

DRAWN BY: TS

CHECKED BY:

DATE: 12/05/2008

SCALE: AS NOTED

REVISION HISTORY

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PROJECT FA9301-06-D-0010

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