

CHILLER SCHEDULE

SYMBOL	MANUFACTURER & MODEL NUMBER	TYPE	LOCATION	NOMINAL TONS	EWT (°F)	LWT (°F)	GPM	WATER P.D. (FT. H2O)	OUTDOOR FANS			COMPRESSOR			UNIT ELECTRICAL					OPER. WT. (LBS.)	SIZE (MAX.)	REFRIGERANT IPLV/EER	REMARKS
									QTY.	FLA EA	HP EA	QTY.	RLA EA	LRA EA	VOLTS	PH	HZ	MCA	MOCP				
CH-1	TRANE CGAFC6	AIR COOLED SCROLL CHILLER	1408 GRADE	60	55.78	44	106.2	5.83	6	1.8	1.0	4	25.4	178	460	3	60	120	125	6000	114Lx88W x78H	R407C 13.4/7.0	①②③④
CH-2	TRANE CGAFC5	AIR COOLED SCROLL CHILLER	1408 GRADE	50	56.86	44	75.9	4.56	6	1.8	1.0	2	24.2	178	460	3	60	96	110	5000	114Lx88W x78H	R407C 13.7/7.1	①②③④

NOTES: ① PROVIDE EACH CHILLER WITH A WYE-DELTA STARTER. ② PROVIDE AUTOMATED DDC CONTROL PANEL. ③ PROVIDE AUTOMATIC SHUT-OFF VALVES. ④ PROVIDE chilled water system with 25% Glycol

CHILLED WATER COIL SCHEDULE (EXISTING AH)

SYMBOL	TOTAL QTY.	MANUFACTURER & MODEL NO.	LOCATION	SERVICE	AIR FLOW (CFM)	TOTAL CAP. (MBH)	SENS. CAP. (MBH)	WATER FLOW (GPM)	ROWS-FINS/FT	ENT. WATER/LVG. WATER (°F)	WATER PD (FT)	CONN. PIPE SIZE (IN.)	ENT. AIR/LVG. AIR (°F)	AIR PD (IN. WC)	OPERATING WEIGHT (LBS.)	ANCHORAGE	COIL SIZE	REMARKS (EA)
CC-1	1	TRANE DUWB23	(E) TRANE AH UNIT SIZE 06	EXISTING AH-1	3000	84.9	84.9	17.0	8-112	44/55	1.81	1-1/2	83/57	0.73	200	COIL SECTION IN (E) UNIT	FIT UNIT SIZE	① ③④⑤⑥
CC-2	1	TRANE DW-B24	(E) TRANE AH UNIT SIZE 10	EXISTING AH-2	4400	124.6	124.6	24.9	6-145	44/55	1.43	2	83/57	0.78	300	COIL SECTION IN (E) UNIT	FIT UNIT SIZE	① ③④⑤⑥
CC-3	1	TRANE DW-B30	(E) TRANE AH UNIT SIZE 12	EXISTING AH-3	6000	169.9	169.9	34.0	4-121	44/55	15.00	2	83/57	0.41	300	COIL SECTION IN (E) UNIT	FIT UNIT SIZE	②③④⑤⑥

NOTE : ① REPLACE EXISTING DUCT STEAM COIL WITH NEW CW COILS. ② ADD NEW COILS TO EXSTING TRANE AH UNITS. ③ CHILLED WATER GPM ARE BASED ON 55°F CHWS AND 45°F CHWR. ④ PROVIDE WITH 304 STAINLESS STEEL DRAIN PAN. ⑤ SCHEDULE OPERATING WEIGHT INCLUDES ALL ACCESSORIES. ⑥ RATING MBH IS BASED ON THE EXISTING SYSTEMS AIR HANDLERS CFM AND NEW ESTIMATED HEAT LOADS

CHILLED WATER PUMP SCHEDULE

SYMBOL	SERVICE	MAKE & MODEL	LOCATION	SIZE	G.P.M.	TOTAL HEAD (FT.)	PUMP EFF. (%)	PUMP RPM	BHP	HP	POWER			REMARKS
											VOLTS	PH	HZ	
CHWP-1	CH-1 CHILLED WATER	TACO FI-2007-7.1	MECH ROOM	2.5x2	106.2	53	--	1800	---	3	460	3	60	①
CHWP-2	CH-2 CHILLED WATER	TACO FI-1509-8.8	MECH ROOM	2.5x1.5	75.9	81	--	1800	---	5	460	3	60	①

EXPANSION TANK SCHEDULE

SYMBOL	SERVICE	MAKE & MODEL	LOCATION	VOLUME (GAL.)		OPERATING WEIGHT (LBS.)	REMARKS
				TANK	ACCEPTANCE		
ET-1	CH-1 CHILLED WATER	TACO CBX170-3B	MECH ROOM	4	24	250	BLADDER TYPE WITH CAL CODE SIGHT GLASS
ET-2	CH-2 CHILLED WATER	TACO CBX170-3B	MECH ROOM	4	24	240	BLADDER TYPE WITH CAL CODE SIGHT GLASS

AIR/DIRT SEPARATOR SCHEDULE

SYMBOL	SERVICE	MAX. FLOW	MAKE & MODEL	LOCATION	CAPACITY (GPM)	CONNECTION SIZE (IN)	OPERATING WEIGHT (LBS.)	REMARKS
AS-1	CHILLED WATER CH-1	125# WP	TACO 4903AD-4	MECH ROOM	113	3"	110	①
AS-2	CHILLED WATER CH-2	125# WP	TACO 4903AD-4	MECH ROOM	113	3"	110	①

CHEMICAL FEEDER SCHEDULE

SYMBOL	SERVICE	MAKE & MODEL	LOCATION	CAPACITY (GAL)	FLANGE SIZE	REMARKS
CSF-1	CHILLED WATER CH-1	CHARDON LABS	MECH ROOM	5	NONE	②
CSF-2	CHILLED WATER CH-2	CHARDON LABS	MECH ROOM	5	NONE	②

NOTES: ① WITH SUCTION DIFFUSER MP VALVE AND FLEXIBLE CONNECTIONS. ② PROVIDED AS PART OF THE CHILLED WATER SYSTEM

PIPING SCHEDULE

GPM RANGE	SIZE (INCH)
0 - 3	3/4
3.1 - 5.6	1
5.7 - 18	1-1/2
19 - 35	2
36 - 56	2-1/2
57 - 102	3
103 - 208	4
209 - 617	6
618 - 1,275	8
1,276 - 2,320	10
2,321 - 3,525	12

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JOB NO. 08-038

BUDLONG
& ASSOCIATES, INC.
CONSULTING ENGINEERS

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

1
2
3
4
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PROJECT
FA9301-06-D-0010

M1.2

RECORD DRAWINGS
SUBMITTED 11/21/2008

PRIME CONTRACTOR: POJOAQUE PUEBLO SERVICES

