	GAS HOT WATER BOILERS SCHEDULE																	
B	MANUFACTURER & MODEL NO.	LOCATION	TYPE	INPUT MBH	OUTPUT MBH MAX./ DESIGN	% EFF.	PD. (FT)	GALLON	GPM	HW ENT. °F	HW LVG. °F		MOTOR		VENT INCHES	OPER. WT. (LBS.)	REMARKS	
UNIT B-1	RAYPAK H3-0402B	BLDG. 1408 MECH. ROOM	GAS	399	DESIGN 335/ 323	84	MAX 7.2 MIN 0.8	2.4	MAX 34 MIN 32	1 160	180	15.5	120	PH 1	HZ 60	6	575	1) THRU. 8
B-2	RAYPAK H3-0302B	ZN 1 BLDG. 1408 MECH. ROOM ZN 2	GAS	500/	252/ 212	84	MAX 7.2 MIN 0.8	2.7	MAX 25 MIN 21	1 1 1-11	180	15.5	120	1	60	5	500	1) THRU. 8
		<u> </u>																

- 1) PROVIDE BOILER WITH LOW NOX EMISSIONS.
- 5 PROVIDE ALL TRIM PER MANUFACTURERS RECOMMENDATIONS AND PER CALIFORNIA CODE REQUIREMENTS.
- 2) PROVIDE COLD START KIT BYPASS KIT AND LPV.
- 6 SCHEDULE OPERATING WEIGHT INCLUDES ALL ACCESSORIES.
- 3 SCHEDULE FLA INCLUDE BOILER CONTROLS 6.7 FLA 7 PROVIDE BOILER WITH LOW TEMPERATURE SWITCH, ALARM BELL, FLOW SWITCH, MANUAL LIMIT TOGGLE SWITCHES
- (4) INDOOR BOILER. PROVIDE WITH FACTORY INLET

AIR FILTER AND FILTER BOX

8 PROVIDE BOILER SYSTEM CIRCULATING (CP) PUMP SIZED PER MANUFACTURERS RECOMMENDATIONS

	EXPANSION TANK SCHEDULE														
SYMBOL	MANUFACTURER & MODEL NO.	SERVICE AND LOCATION	EXPANSION CAPACITY (GAL)	OPER. WT (LBS)	REMARKS										
ET-1	TACO CBX84-3B	B-1 HW SYSTEM	22	150	BLADDER TYPE										
ET-2	TACO CBX84-3B	B-2 HW SYSTEM	22	150	BLADDER TYPE										

AIR SEPARATOR SCHEDULE													
AS SYMBOL	MANUFACTURER & MODEL NO.	SERVICE AND LOCATION	CAPACITY (GPM)	P.D. (FT.)	OPER. WT. (LBS.)	REMARKS							
AS-1G	TACO AC2F4	B-1 HW SYSTEM	_	_	-	1							
AS-1G	TACO AC2F4	B-2 HW SYSTEM	_	_	_	1)							

	PIPING S	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

2,321 - 3,525

	PUMPS SCHEDULE																
SYMBOL	QNTY. MAKE & MODEL SIZE MOTOR BUILDING SERVED SERVICE GPM HEAD PUMP					OPER. WT (LBS)	REMARKS										
HWP-1	1	TACO FI-1509-7.8	2.5x1.5	145T	1408 MECH. ROOM	HOT WATER SYSTEM	75	62	1800	_	3	-	208	3	60	200	1 2
HWP-2	1	TACO FI-1507-7.3	2.5x1.5	145T	1408 MECH. ROOM	HOT WATER SYSTEM	75	53	1800	-	3	_	208	3	60	200	1 2
CP-1	2	BY BOILER MANUFACTURER	_	-	1408 B-1 BOILER PIPING	B-1A & 2A BOILER SYSTEM	74.7	7.9	_	-	_	8.8	120	1	60	50	3
CP-2	2	BY BOILER MANUFACTURER	_	-	1408 B-2 BOILER PIPING	B-1G & 2G BOILER SYSTEM	21.8	0.5	_	_	_	8.8	120	1	60	50	3

- 1) WITH SUCTION DIFFUSER MP VALVE AND FLEXIBLE CONNECTIONS.
- 3 PROVIDED AND SIZED BY BOILER MANUFACTURER SEE BOILER NOTES ABOVE.
- 2 SCHEDULE OPERATING WEIGHT INCLUDES ALL ACCESSORIES.

	HOT WATER COIL SCHEDULE (EXISTING AH)																
HC SYMBOL	TOTAL QNTY.	MANUFACTURER & MODEL NO.	LOCATION	SERVICE	CFM (EA)	CAP. (MBH) (EA)	GPM FII	ROWS- INS/FT (EA)	ENT. WATER /LVG. WATER (°F) (EA)	WATER PD (FT) (EA)	CONN. PIPE SIZE (EA)	ENT. AIR /LVG. AIR (°F) (EA)		OPERATING WEIGHT (LBS.) (EA)	ANCHORAGE DETAIL (EA)	COIL SIZE (EA)	REMARKS (EA)
HC-1	1	TRANE D5WB18	(E) TRANE AH UNITS SIZE 06	EXISTING AH-1	3,000	107.4	4.75 1-	-135	180/160	0.07	1-1/2	45/78	0.20		COIL SECTION IN (E) UNIT	FIT UNIT SIZE	1 3 4 5 6
HC-2	1	TRANE D5WB18	(E) TRANE AH UNITS SIZE 10	EXISTING AH-2	4,400	178.9	6.97 1	I <i>-</i> 112	180/160	0.17	200	45/78	0.24		COIL SECTION IN (E) UNIT	FIT UNIT SIZE	1 3 4 5 6
HC-3	1	TRANE D5WB18	(E) TRANE AH UNITS SIZE 12	EXISTING AH-3	6,000	214.7	9.51 1	I – 113	180/160	0.84	2-1/2	45/78	0.30	70	COIL SECTION IN (E) UNIT	FIT UNIT SIZE	23456

1 REPLACE EXISTING DUCT STEAM COIL WITH NEW HW COILS.

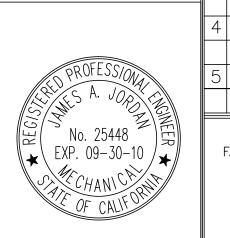
2 ADD NEW COILS TO EXSTING TRANE AH UNITS.

- 3 HOT WATER GPM ARE BASED ON 180°F HWS AND 160°F HWR.
- 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

	CHEMICAL FEEDER SCHEDULE													
SYMBOL	SERVICE	MAKE & MODEL	LOCATION	CAPACITY (GAL)	FLANGE SIZE	REMARKS								
HSF-1	HOT WATER B-1	CHARDON LABS	MECH ROOM	5	NONE	1								
HSF-2	HOT WATER B-2	CHARDON LABS	MECH ROOM	5	NONE	1)								

(1) PROVIDED AS PART OF THE HOT WATER SYSTEM

PRIME CONTRACTOR: POJOAQUE PUEBLO SERVICES



BUI REPLACE CHILL EDWARDS AIR FORG

QUOTE/DWG #:

DATE: 12/05/2008

CHECKED BY:

AS NOTED REVISION HISTORY

PROJECT FA9301-06-D-0010

M1.1