EQUIPMENT SCHEDULE

AIR CONDITIONING:

AIR COOLED PACKAGE WATER CHILLER: (2 REQUIRED) CH-1 & CH-2

TYPE: RECIPROCATING, HERMATIC COMPRESSORS, DIRECT EXPANSION SHELL AND TUBE EVAPORATOR, AIR COOLED CONDENSER, COMPLETE WITH CONTROLS, STARTERS, INSTRUMENTS HOUSED IN WEATHER-PROOF ENCLOSURE, WITH STEEL SPRING ISOLATORS, ALL REQUIRED ACCESSORIES AND CORROSION PROTECTIVE COATING.

CAPACITY: 42.7 TONS, 105.0 GPM CHILLED WATER THRU EVAPORATOR AT 5.9 FT PRESSURE DROP, 44°F LEAVING CHILLED WATER, 95°F AMBIENT AIR TEMP. TO CONDENSER. "CARRIER" 30 GB 045 OR APPROVED EQUAL.

POWER: 480V. /3Ø/60 CY. 59.1 KW INPUT

CHILLED WATER PUMP: (2 REQUIRED) P-1 & P-2

TYPE: SINGLE STAGE, END SUCTION, CLOSED COUPLED, CAST IRON, BRONZE FITTED, CENTRIFUGAL PUMP WITH TEFC MOTOR.

CAPACITY: 105 GPM AGAINST 100 FT TOTAL DISCHARGE HEAD, 1750 RPM, 9 3/4" DIA. IMPELLER, 50% MINIMUM EFFICIENCY, 1 1/2" DISCHARGE, 2" SUCTION. "AURORA" 1 1/2 x 2 x 12 OR APPROVED EQUAL.

POWER: 480 V, 3Ø/60 CY., 7 1/2 HP

AIR HANDLERS

TYPE: HORIZONTAL, DRAW-THRU UNIT, ADJUSTABLE BELT-DRIVEN CENTRIFUGAL FAN, COPPER TUBES AND ALUMINUM FINS WATER COILS, FILTER SECTION, INSULATED CABINET WITH FACTORY FINISH, MOTOR & DRIVE, STEEL SPRING VIBRATION ISOLATORS, 1" MINIMUM DEF.. CARRIER "39 BA 060 OR APPROVED EQUAL.

CAPACITY:

UNIT No	S.A. CFM	O.A. CFM	TOP JN. W.G.	FAN RPM	COIL FACE VEL FPM	G T H BTU	H2O @ 54°ENT GPM	COIL P.D. FT.	ENT AIR TEMP °F DB	ENT AIR TEMP °F WB	MOTOR HP	REMARK
1	2850	2850	2"	1150	606	121524	35	13 (6 ROW/8 FINS)	87	74	2	O.A. PRE-COOLER
2	3250	3250	2"	1150	606	121524	35	13 (6 ROW/8 FINS)	87	74	2	O.A. PRE-COOLER
(SPARE)												
(SPARE)												
(SPARE)												
(SPARE)												
(SPARE)												

POWER: 480 V., 3Ø/60 CY.,

FAN COIL UNITS:

TYPE: HORIZONTAL, CENTRIFUGAL, BELT/DIRECT DRIVE FAN WITH INSULATED, FACTORY FINISH CABINET, WATER COIL 3-SPEED FAN SWITCH, 1" THROWAWAY FILTERS, THERMOSTAT, PSC, SLEEVE, BEARING, MOTOR.

CAPACITY: (CARRIER OR APPROVED EQUAL)

UNIT No	S.A. CFM	F.A. CFM	EXT. S.P. IN. W.G.	FAN RPM	COIL FACE VEL. FPM	G T H MBTUH	H2O @ 44°F GPM	COIL P.D. FT./ROW	ENT. AIR TEMP °F DB	ENT. AIR TEMP °F WB	MOTOR HP/WATT	MODEL NO.
1-1, 1-2	750	50	.14	3-SPEED	237	16.2	4	1.9/3R	77.8	65.0	300 W.	42CE-7
1-3	500	100	.15	"	216	14.6	3	6.5/3R	79.0	66.0	245 W.	42CE-6
1-4	500	80	.15	"	216	14.0	3	6.5/3R	78.6	66.0	245 W.	42CE-6
1-5	1000	80	.15	"	274	27.0	6	3.1/3R	77.8	65.0	425 W.	42CE-8
1-6, 1-7	650	100	.15	"	281	17.5	4	6.5/3R	78.5	66.0	245 W.	42CE-6
1-8	250	40	.15	"	185	7.0	4	1.93/3R	78.6	66.0	145 W.	42CE-4
1-9, 1-10	1000	100	.15	"	274	26.4	6	3.1/3R	78.0	65.0	425 W.	42CE-8
1-11	1000	130	.15	"	274	28.2	6	6.0/4R	78.3	65.0	425 W.	42CE-8
(SPARE)												
(SPARE)												
(SPARE)												
2-1, 2-2	400	80	.15	3-SPEED	213	11.0	3	3.8/3R	79.0	66.0	220 W.	42CE-5
2-3	350	40	.15	"	186	8.6	3	3.8/3R	78.1	65.0	220 W.	42CE-5
2-4 THRU 2-7	600	80	.15	"	260	15.0	3	6.5/3R	78.3	65.0	245 W.	42CE-6
2-8, 2-9	800	150	.15	"	253	22.6	3	1.9/3R	78.9	66.0	300 W.	42CE-7
2-10	1000	300	.15	"	274	30.3	6	6.0/4R	80.0	67.0	425 W.	42CE-8
2-11, 12, 28, 29	1400	300	.8	870	350	42.0	9	10.4/4R	79.0	66.0	1/2 HP	42BH-3
2-13, 30, 31	900	200	.8	995	450	30.0	6	1.7/4R	79.2	66.0	1/3 HP	42BH-1
2-14, 2-15	900	200	.8	995	450	30.0	6	1.7/4R	79.2	66.0	1/3 HP	42BH-1
2-16, 22, 23, 24, 25, 26, 27	300	30	.14	3-SPEED	222	8.0	2	1.93/3R	78.7	66.0	145 W.	42CE-4
2-17 THRU 2-21	400	80	.14	"	239	12.0	3	3.8/3R	79.0	66.0	220 W.	42CE-5
2-32	1400	600	.8	870	350	50.0	10	10.4/4R	81.3	68.5	1/2 HP	42BH-3
2-33, 2-34	750	200	.8	995	375	24.0	5	1.7/4R	79.5	67.0	1/3 HP	42BH-1
(SPARE)												
(SPARE)												
(SPARE)												

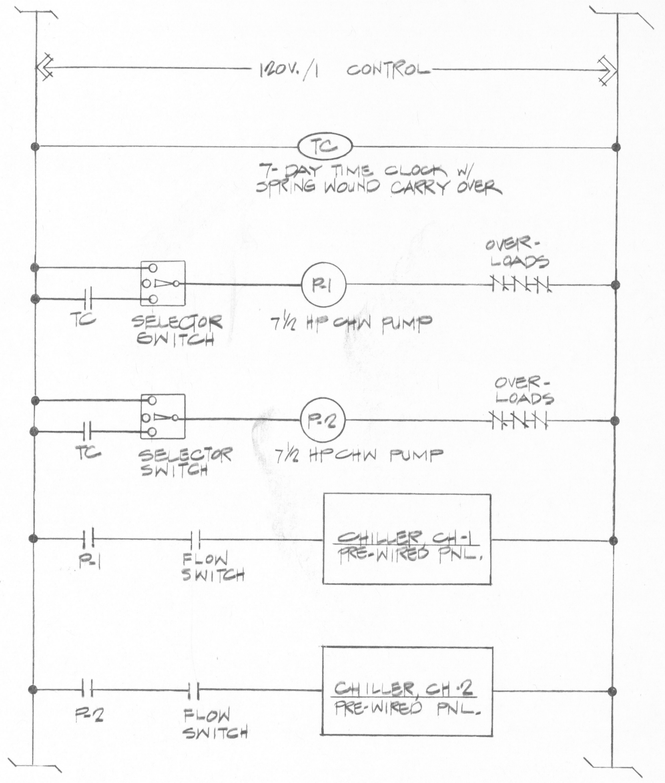
POWER: 120 VOLTS, SINGLE PHASE

VENTILATION:

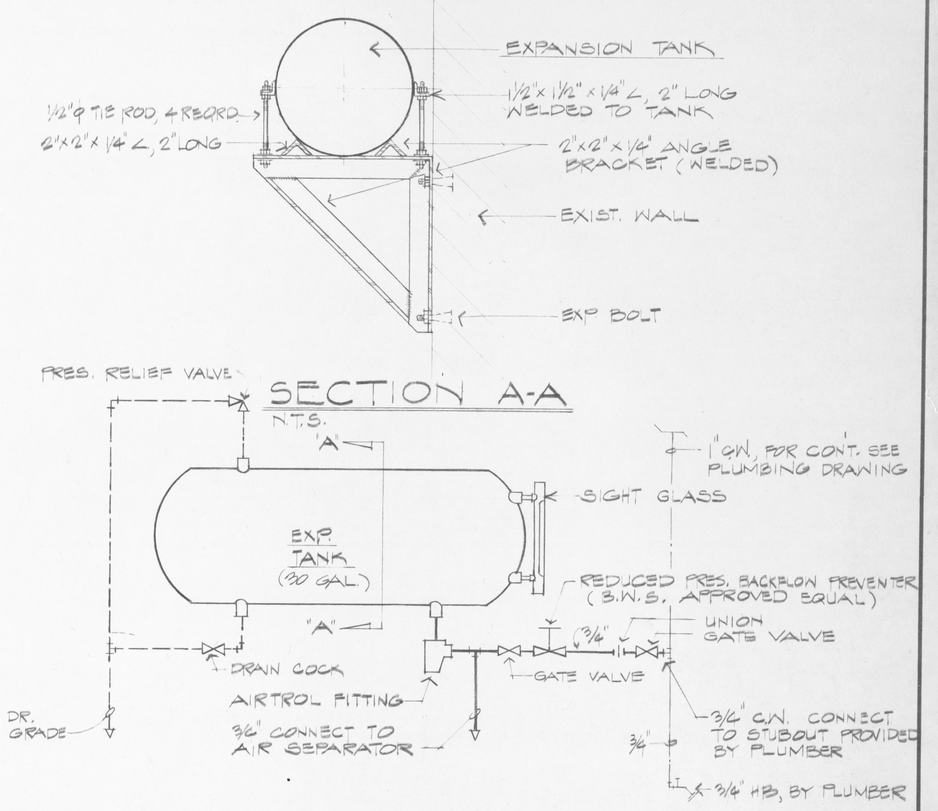
EXHAUST FAN: (2 REQUIRED) EF-1 and EF-2

TYPE: CENTRIFUGAL, UTILITY SET FAN COMPLETE WITH NON-OVERLOADING FORWARD CURVED ALUMINUM WHEEL, AND ALSO WITH DIRECT DRIVE, MOTOR AND VIBRATION ISOLATOR MOUNTS.

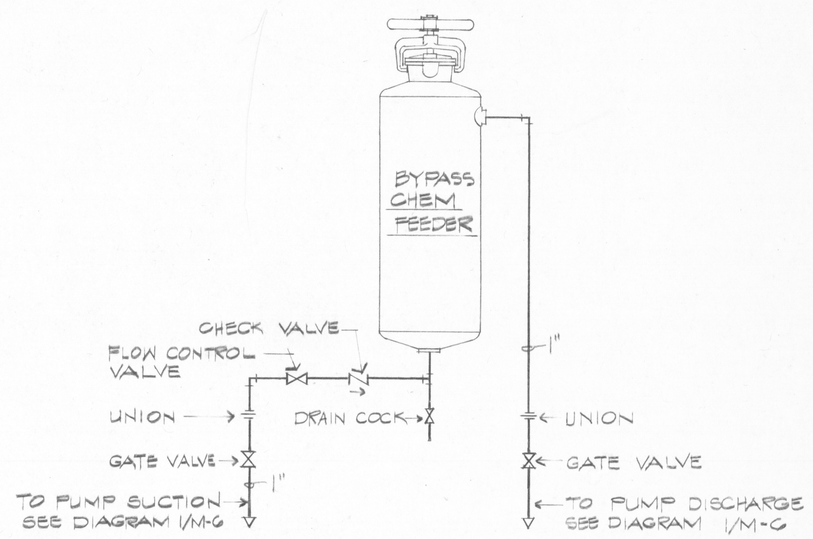
CAPACITY: 760 CFM AGAINST, 1/2" TOTAL STATIC PRESSURE, 1140 RPM, 884 RPM O.V. "ILG" MODEL D-825 122 OR APPROVED EQUAL.



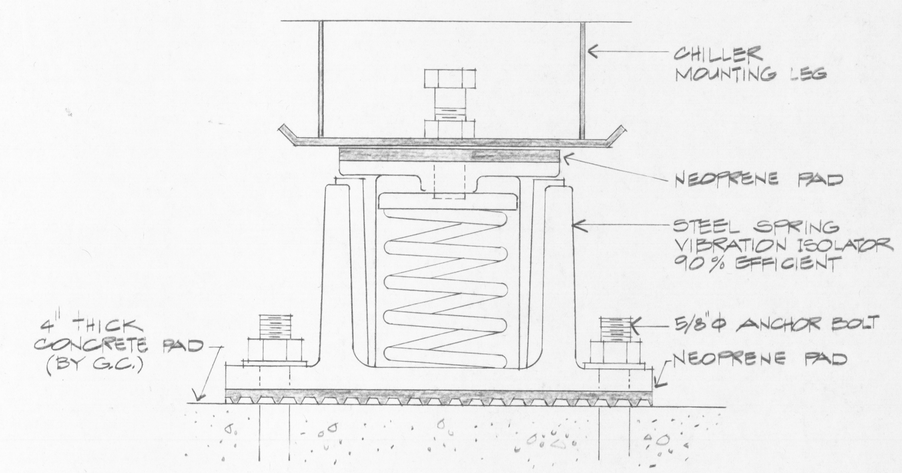
1 M-7 CONTROL WIRING
NO SCALE



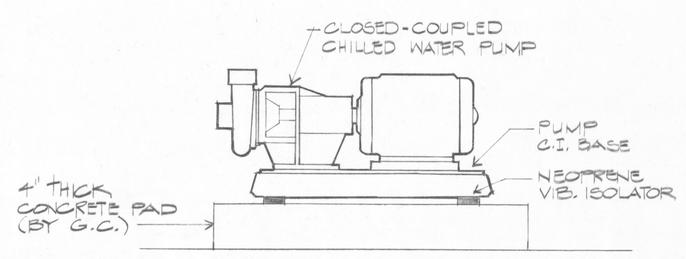
2 M-7 EXPANSION TANK DETAIL
N.T.S.



3 M-7 CHEMICAL FEEDER DETAIL
NO SCALE



4 M-7 CHILLER MOUNTING DETAIL
N.T.S.



5 M-7 PUMP MOUNTING DETAIL
N.T.S.

REVISION NO.	SYM.	DESCRIPTION	SHT. OF	DATE	APPROVED: STATE PUBLIC WORKS ENGINEER

DEPT. OF ACCOUNTING & GENERAL SERVICES
DIVISION OF PUBLIC WORKS
STATE OF HAWAII

FOREIGN TRADE ZONE NO. 9 – RENOVATIONS & ALTERATIONS OF PIER 2
HONOLULU OAHU, HAWAII
EQUIPMENT SCHEDULE, DETAILS, AND DIAGRAMS

NONG SUBA CHING & ASSOC. INC.

DESIGNED BY: VE	CHECKED BY: KT	DAGS JOB NO. 02-26-2015	DRAWING NO. M-7
DRAWN BY: VE, DO	APPROVED BY:	DATE APRIL 1979	SHEET 26 OF 29 SHTS
SCALE: AS NOTED			

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION
KENNETH TROW ASSOCIATES, LTD.
Mechanical Engineers

FILE ..... DRAWER ..... FOLDER