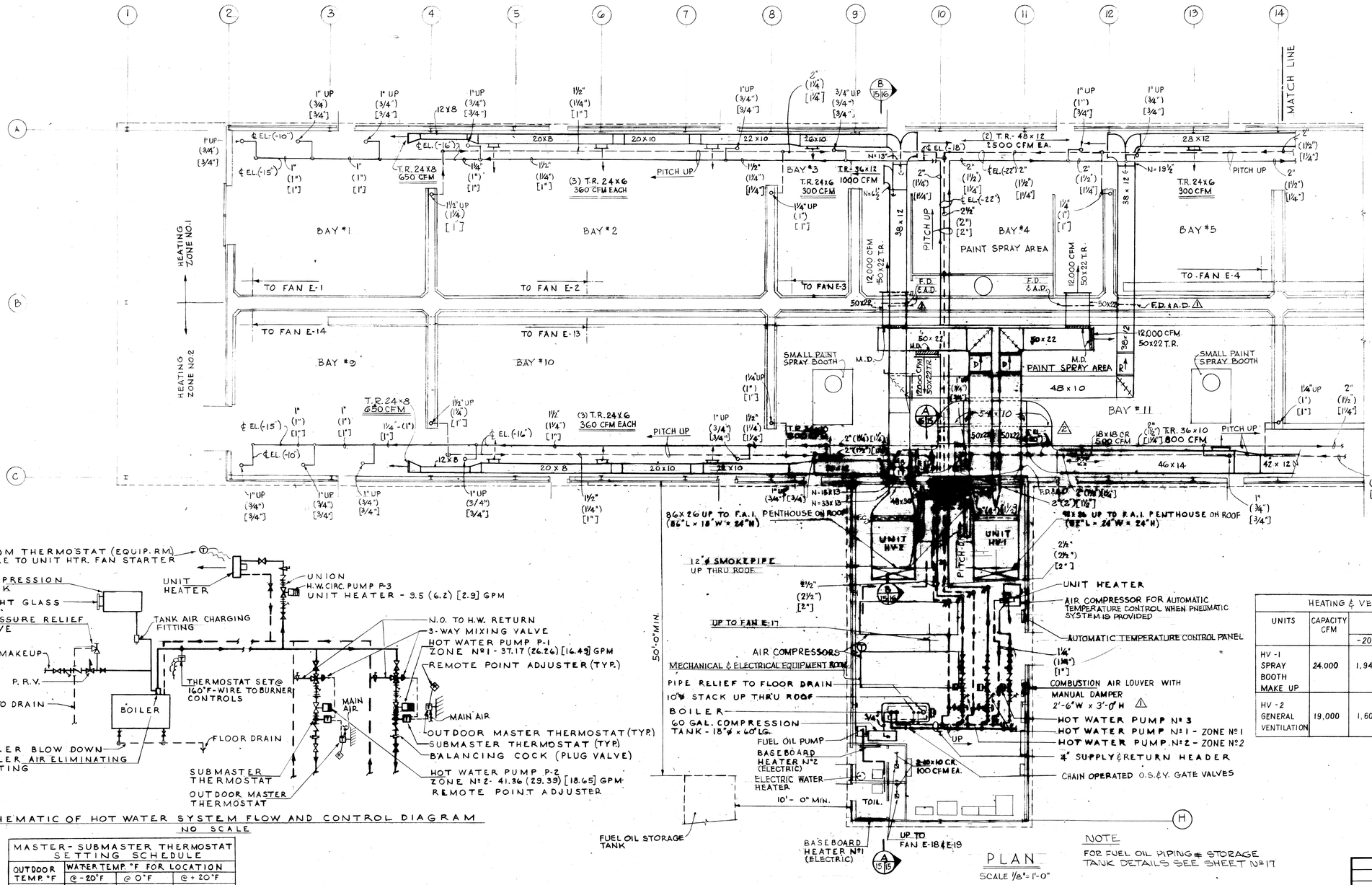


PLAN

SCALE 1/8" = 1'-0"

ROOF EXHAUST PROPELLER FAN SCHEDULE						
FAN Nº	CFM	S.P. IN. W.G.	MOTOR APPROX. HP	MOTOR APPROX. RPM	DRIVE	ROOF OPENING
3,9,10, 11,12, 15,16	1730	1/8	1/6	1140	DIRECT	19"x19"
4,5	2900	1/8	1/4	1140	"	23"x23"
1,14	3560	1/8	1/3	860	"	27"x27"
2,6,7, 8,13	5775	1/8	1/2	550	V-BELT	31"x31"
17	1190	1/8	1/8	1140	DIRECT	14"x14"
18,19	100	1/8	1/40	1050	"	8"x8"

ALL FANS & MOTORS, EXCEPT 17-18 & 19, SHALL BE FOR OPERATION IN HAZARDOUS LOCATION AS INDICATED ON ELECTRICAL DRAWINGS

HOT WATER PUMP SCHEDULE						
DESIGN COND.	PUMP Nº	HEAT ZONE	GPM	HEAD FT. W.	HP APPROX.	NOTES *
-20	P-1	1	37.17	33.0	3/4	IN-LINE TYPE
0	P-1	1	26.26	32.0	3/4	"
+20	P-1	1	16.49	32.0	3/4	"
-20	P-2	2	41.36	32.0	1	"
0	P-2	2	29.39	32.0	3/4	"
+20	P-2	2	18.65	32.0	3/4	"
-20	P-3	UNIT HTR.	9.5	2.0	1/12	BOOSTER
0	P-3	UNIT HTR.	6.2	6.0	1/12	"
+20	P-3	UNIT HTR.	2.9	7.0	1/12	"

OIL STORAGE TANK SCHEDULE	
DESIGN CONDITION	TANK CAPACITY-GALLONS
-20	6000
0	6000
+20	6000

HEATING & VENTILATION UNIT SCHEDULE							
UNITS	CAPACITY CFM	CAPACITY M.B.H. -20	CAPACITY M.B.H. 0°	CAPACITY M.B.H. +20	S.P. W.G. EXT.	MOTOR BLOWER HP APPROX.	MOTOR EXHAUSTER APPROX.
HV-1 SPRAY BOOTH MAKE UP	24,000	1,940	1,430	910	1"	20	3/4
HV-2 GENERAL VENTILATION	19,000	1,603	1,198	774	1 1/4"	15	3/4

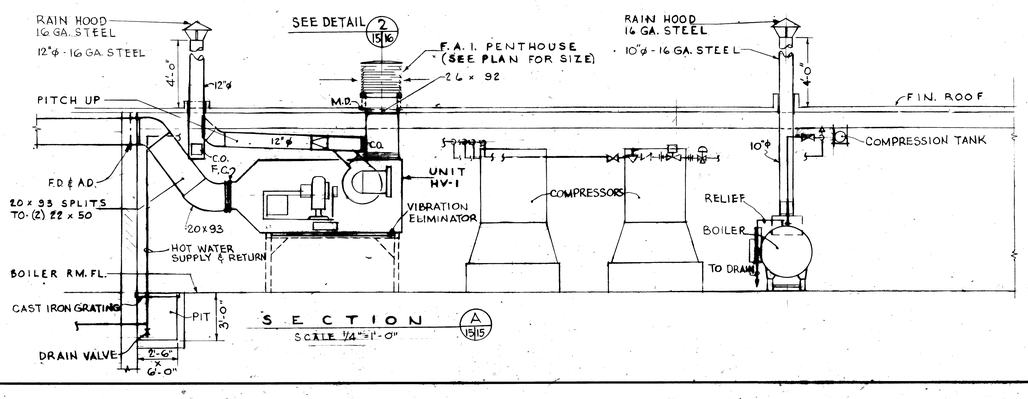
SCHEMATIC OF HOT WATER SYSTEM FLOW AND CONTROL DIAGRAM

NO SCALE

MASTER-SUBMASTER THERMOSTAT SETTING SCHEDULE			
OUTDOOR TEMP. °F	WATER TEMP. °F FOR LOCATION @ -20°F	@ 0°F	@ +20°F
-20	112	—	—
0	—	95	—
+20	—	—	90
+55	75	75	75

NOTE

FOR FUEL OIL PIPING & STORAGE TANK DETAILS SEE SHEET Nº17



SECTION A 15/15

SCALE 1/4" = 1'-0"

BOILER SCHEDULE	
DESIGN CONDITIONS	BOILER NET CAP. BTU/HR. SBI
-20°F	880,260
0°F	620,300
+20°F	375,800

EQUIPMENT ROOM HOT WATER UNIT HEATER SCHEDULE						
DESIGN CONDITIONS	CAPACITY MBH	GPM	HP APPROX	RPM	MAX. PD. FT. WATER	REMARKS
-20°F.	9.0	9.0	1/4	1,100	2.40	
0°F.	6.2	6.2	1/8	1,100	1.00	
+20°F.	2.9	2.9	1/8	1,100	0.75	

SELECTION MADE ON BASIS OF OF ENTERING WATER @ 160°F & LEAVING WATER @ 140°F.

GRAPHIC SCALES:

1/8" = 1'-0"

1/4" = 1'-0"

SYMBOL	DESCRIPTION	DATE	APPROVAL
2	REROUTED DUCTS	22 JAN 66	
1	CHANGED LOUVER SIZE; ADDED FIRE DAMPERS.	22 JAN 66	

REVISIONS

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DEPARTMENT OF THE ARMY
OFFICE OF THE CHIEF OF ENGINEERS
MILITARY CONSTRUCTION - ENGINEERING DIVISION
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SUBMITTED BY: AMMANN & WHITNEY

AMMUNITION MAINTENANCE FACILITY

AMMUNITION MAINTENANCE BUILDING

HEATING & VENTILATION HVAC

APPROVED: Chief, Utilities Branch
APPROVED: Chief, Engineering Division, Mil. Const. O.C.E.
DATE: 18 JULY 1966
APPROVED FOR:
DATE:
SCALE AS NOTED
SPEC. NO. 16-08-324-66-02
DRAWING NUMBER 35-00-09
SHEET 15 OF 45