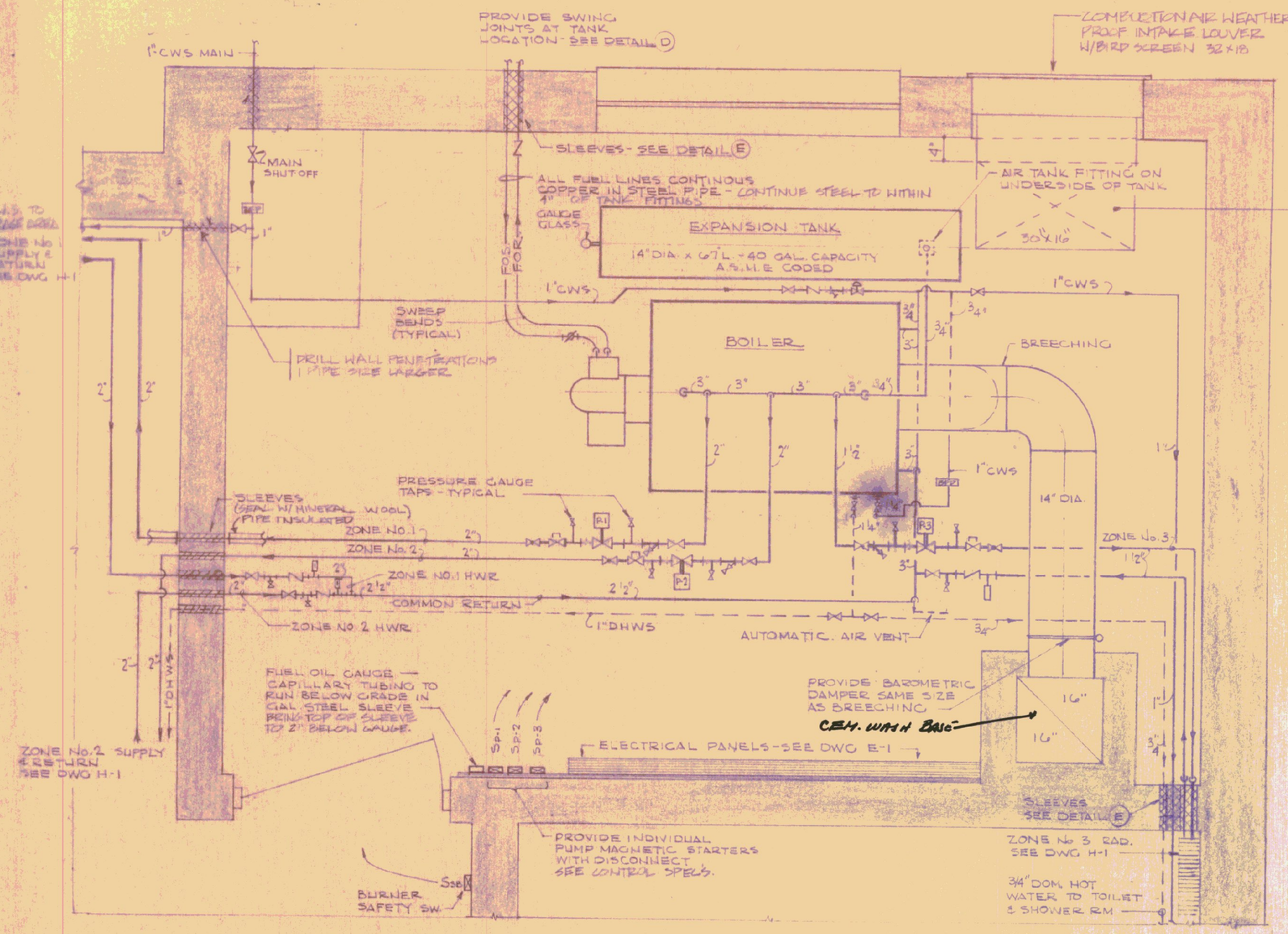
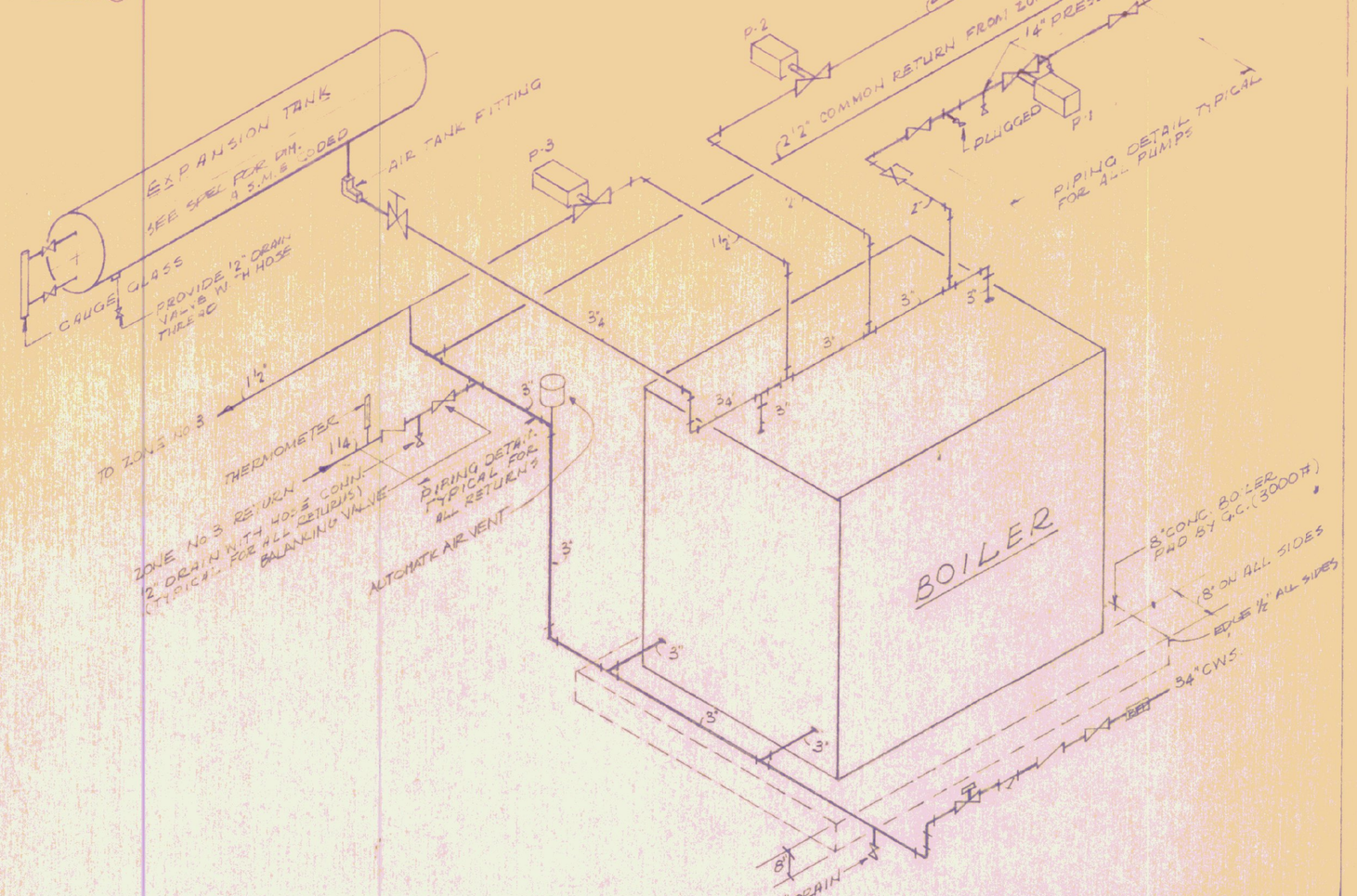


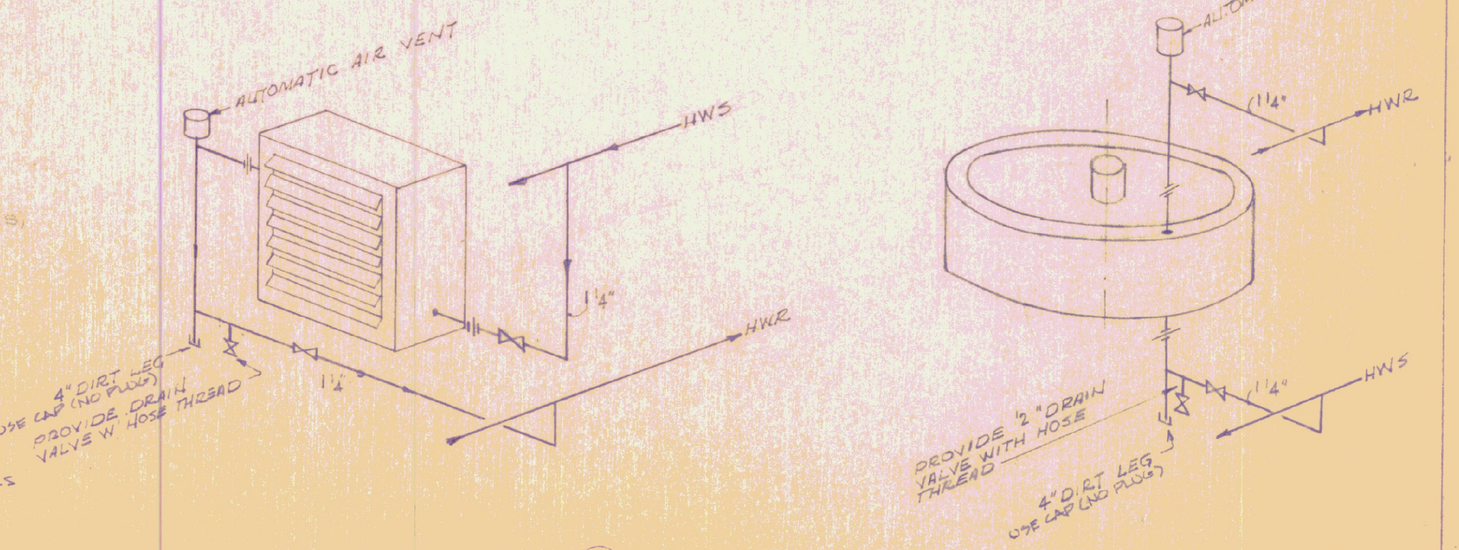
BOILER RM FLOOR PLAN

SCALE: 3/4"=1'-0"



BOILER PIPING DETAIL (A)

N.T.S.

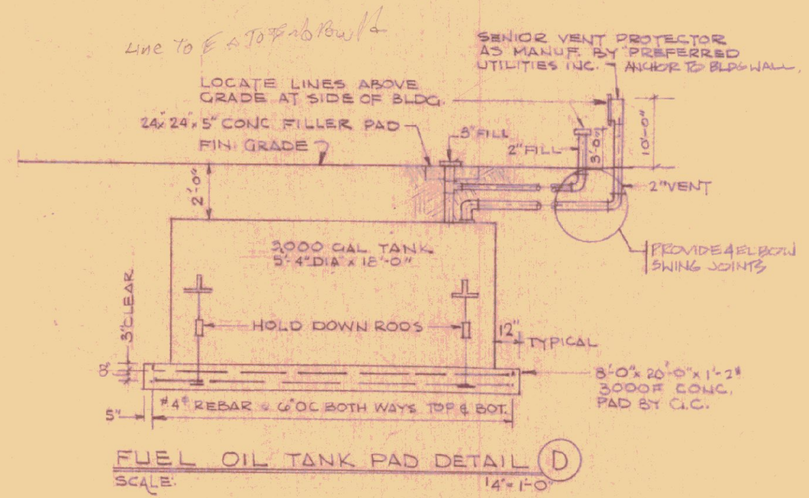


HORIZONTAL UNIT HEATER DETAIL (B)

N.T.S.

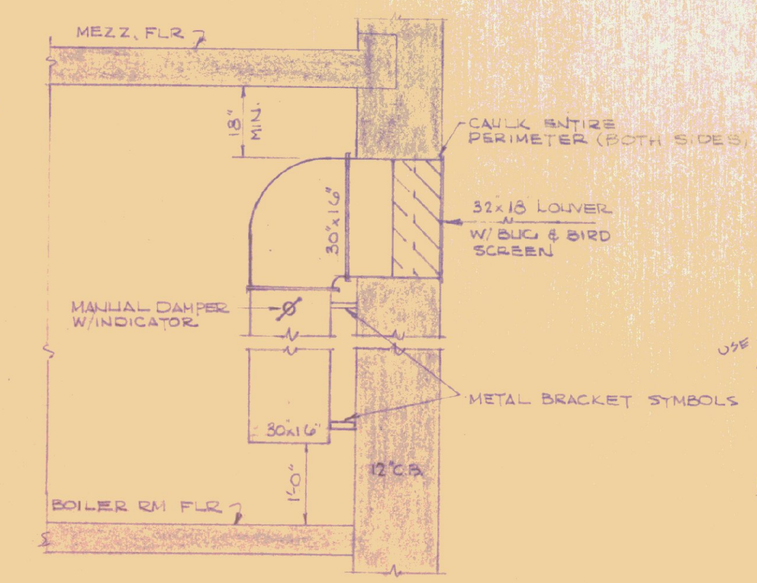
VERTICAL UNIT HEATER DETAIL (C)

N.T.S.



FUEL OIL TANK PAD DETAIL (D)

SCALE: 1/4"=1'-0"



INTAKE LOUVER DETAIL (F)

SCALE: 3/4"=1'-0"

GENERAL NOTES

1. CONTRACTOR SHALL SUBMIT DATA & CUTS OF EQUIPMENT FOR APPROVAL PRIOR TO ORDERING MATERIAL.
2. ALL PIPING IS SCHEMATIC; CONTRACTOR SHALL CO-ORDINATE HIS WORK WITH OTHER TRADES.
3. MOTORS ON ALL NEW UNIT HEATERS SHALL BE TOTALLY ENCLOSED, FRAME CONSTRUCTION WITH PERMANENTLY LUBRICATED BEARINGS & BUILT-IN THERMAL OVERLOAD PROTECTION.
4. HEATING CONTRACTOR SHALL PROVIDE SERVICE SWITCH AT EACH UNIT HEATER.
5. SEE SITE PLAN FOR LOCATION OF BURIED OIL TANK.
6. ALL WATER SUPPLY PIPING ABOVE FLOOR SLAB ELEVATION SHALL BE INSULATED. INSULATION SHALL BE PAINTED.
7. ALL HEATING PIPING IN THE BOILER RM., MAIN BUILDING & THRU SLEEVES SHALL BE INSULATED AND THE INSULATION PAINTED.
8. EACH CIRCULATING PUMP SHALL HAVE BUILT-IN THERMAL OVERLOAD PROTECTION.
9. EACH U.H. SHALL HAVE AN AQUASTAT CONTROL TO PREVENT THE FAN FROM OPERATING BELOW A PREDETERMINED HWR TEMP. TO PREVENT COLD AIR CIRCULATION WITHIN THE BUILDING. T'STATS SHALL SWITCH FANS AND CIRC. PUMPS OFF WHEN HEAT DEMAND IS SATISFIED.
10. ALL PUMPS SHALL BE RATED TO OPERATE ON 120, 240V, 1 PH, 3W UNLESS OTHERWISE SPECIFIED OR INDICATED.
11. PROVIDE ONE OIL BURNER SAFETY SWITCH OUTSIDE OF BOILER RM DOOR, AND ANOTHER AT MAIN ENTRANCE OF BUILDING AT MAN DOOR.
12. BOILER RM FINISHED FLOOR TO BE SAME ELEV. AS MAIN BUILDING FLOOR, BUT SHALL BE PITCHED TOWARD DRAIN.
13. CONCRETE BOILER PAD SHALL BE LEVEL (BY O.C.)
14. HEATING CONTRACTOR SHALL SET SLEEVES AND HANGER SUPPORTS IN BOILER RM CONCRETE ROOF SLAB BEFORE POURING OF SLAB. NO OPENINGS THRU CONCRETE ROOF SLAB ALLOWED.

BFPI - BACK FLOW PREVENTER - "SERIES 700" WATTS

HEATING EQUIPMENT SCHEDULE

(RATINGS @ 190°A.W.T. W/20°DIFFERENTIAL)

MARK	TYPE	MANUFACT.	MODEL	MBH	H.P.	DISCHARGE	R.P.M.	C.F.M.	REMARKS
HUH #3	UNIT HEATER	MODINE	HS-535	100	1/4	HORIZ.	1075	2090	WITH HORIZ. DEFLECTOR BLADES (ADJUSTABLE)
HUH #2	UNIT HEATER	MODINE	V-810	145	1/4	VERTICAL	1075	3580	WITH CONE JET DEFLECTOR
P-1	IN-LINE	BELL & GOSSETT	60-2AA	40 GPM	3/4	5'4" IMP.	1725	25'HD	
P-2	IN-LINE	BELL & GOSSETT	60-2AA	40 GPM	3/4	5'4" IMP.	1725	25'HD	
P-3	IN-LINE	BELL & GOSSETT	60-1'2AA	25 GPM	1/2	5'4" IMP.	1725	25'HD	
RAD	STERLING FINNED VERSE WIDE	STERLING	S-144	102					1¼" IPS STEEL TUBE W/ 4¼ x 4" STEEL FINS 40 FINS PER FT.

INT	DATE	REVISION
RLH	7-6-78	UPDATE & STANDARDIZE
RLH	10-6-77	BACK FLOW PREVENTER, GAS BOILER, TANK SIZE

STATE OF VERMONT
DIVISION OF STATE BUILDINGS
AGENCY OF ADMINISTRATION
MONTPELIER, VERMONT

Standard Highway Garage Building
BOILER ROOM
FLOOR PLAN & SELECTED DETAILS

SCALE: As noted

DATE: 10-18-74	DESIGNED BY: CLIS MASTRO	DWG. NO. H2
DRAWN BY: STUDIO SEVEN INC.	APPROVED BY:	2 OF 2