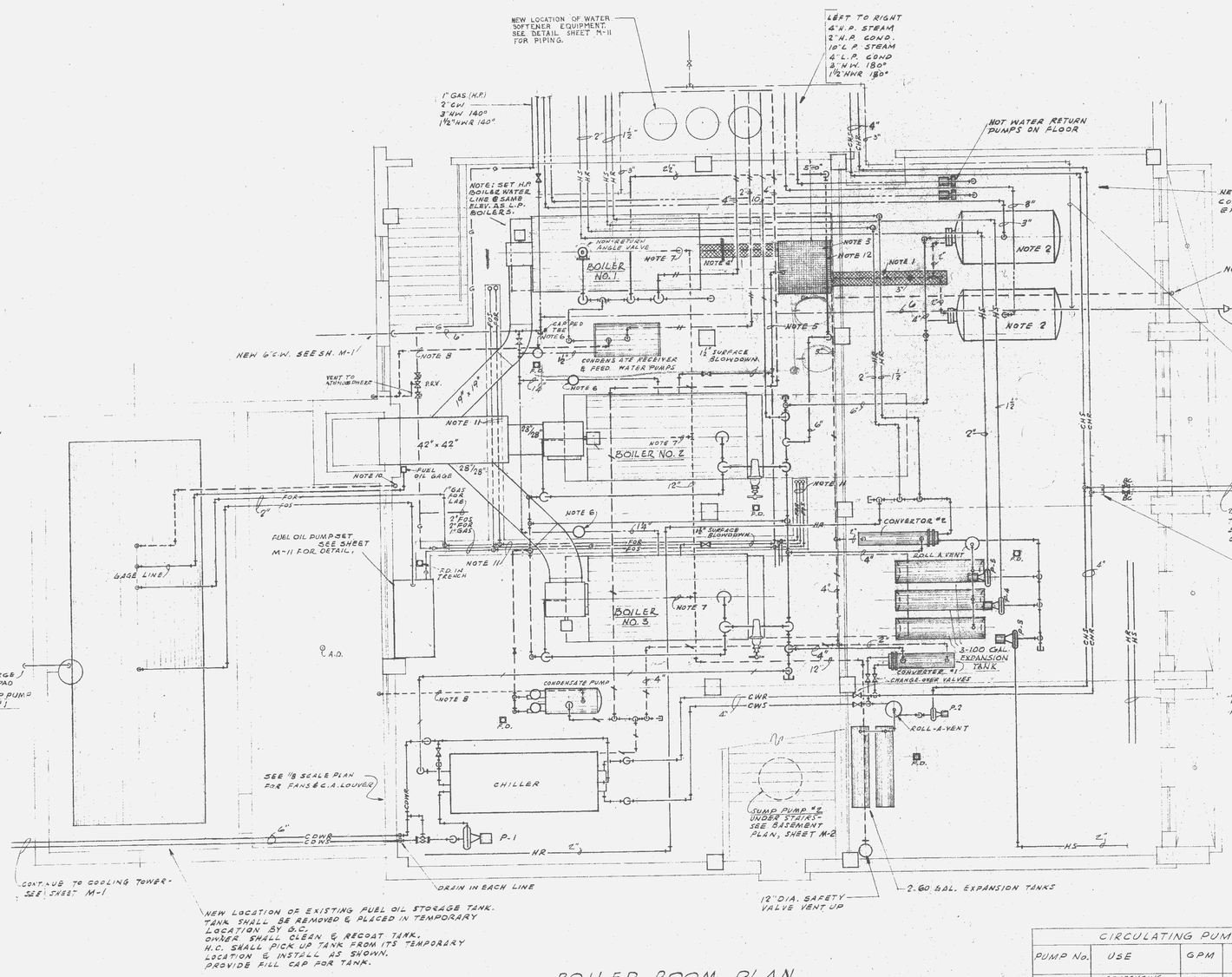
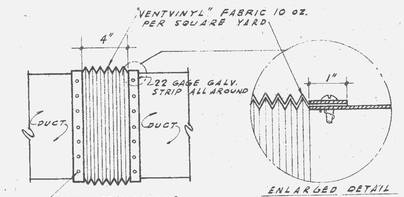


BOILER ROOM PLAN

SCALE: ¼" = 1'-0"



DETAIL, TYPICAL FLEXIBLE DUCT CONNECTION

NO SCALE

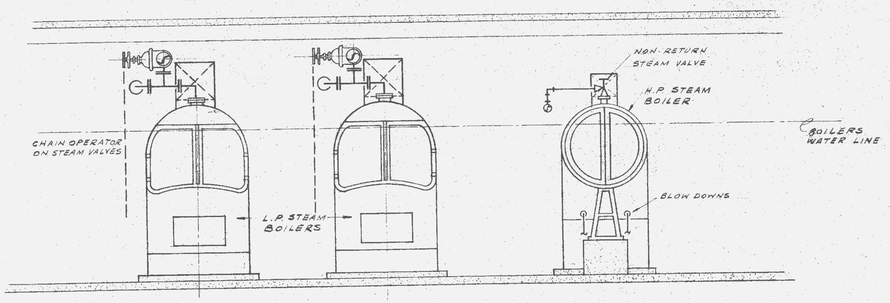
NOTES

1. TRENCH WITH SAFETY TREAD PLATE COVER FOR CONDENSATE DRAIN LINE.
2. NEW LOCATION OF EXISTING WATER HEATERS. SEE SHEET M-2 FOR PRESENT LOCATION. CONTRACTOR SHALL RELOCATE ONE HEATER AT A TIME, MAINTAINING SERVICE TO EXIST. BLDG.
3. 4'-0" x 4'-0" x 4'-0" CONCRETE BLOWDOWN PIT WITH SAFETY TREAD PLATE COVER.
4. 2" BLOWDOWN LINE WITH QUICK OPENING VALVE, PIPE TO PIT, IN TRENCH WITH SAFETY TREAD PLATE COVER.
5. 1½" SURFACE BLOWDOWN LINE FROM L.P. BOILERS, PIPE TO PIT.
6. BOILER COMPOUND FEEDERS, SEE DETAIL.
7. VENT LINE FROM SAFETY VALVES.
8. 2" VENT FROM CONDENSATE RECEIVER.
9. 2" VENT FROM BLOWDOWN PIT.
10. 2" FUEL OIL VENT UP, TERMINATE 8'-0" ABOVE GRADE IN VENT BRICK
11. FUEL OIL SUPPLY & RETURN PIPING & GAS LINE IN TRENCH WITH SAFETY TREAD PLATE COVER. 2" FOS & FOR, 1" GAS.
12. PRESSURE REDUCING STATION, SEE DETAIL SH M-11.

CIRCULATING PUMP SCHEDULE

PUMP No.	USE	GPM	HEAD FEET	H.P	BELL & GOSSETT MODEL No.
P-1	CONDENSING WATER	420	60	10	1510B - 4BB
P-2	COMBINATION HOT & CHILLED WATER	250	80	10	" - 4BB
P-3	HOT WATER ZONE 3	25	35	¾	" - 1¼AB
P-4	HOT WATER ZONE 2	25	35	1	" - 1¼AB
P-5	HOT WATER ZONE 1	35	45	1	" - 1¼AB

ALL PUMP MOTORS SHALL BE 1750 rpm



ELEVATION OF BOILERS LOOKING SOUTH

SCALE: ¼" = 1'-0"

DATE:

DRAWN BY C. C.

ADDITION TO ST. MARYS INSTITUTE
O'FALLON, MO.
FOR THE SISTERS OF THE MOST PRECIOUS BLOOD
MOTHER M. LORENZA, C.PP.S. - MOTHER GENERAL

JOB NO. 9102

A.F. & ARTHUR STAUDER, ARCHITECTS
3608 SOUTH GRAND BLVD. ST. LOUIS 18, MISSOURI
PAUL LONDE & ASSOC. CONSULTING ENGINEERS

STATE OF MISSOURI PAUL LONDE NUMBER E-6038 REGISTERED PROFESSIONAL ENGINEER

SHEET M-6

REVISIONS: