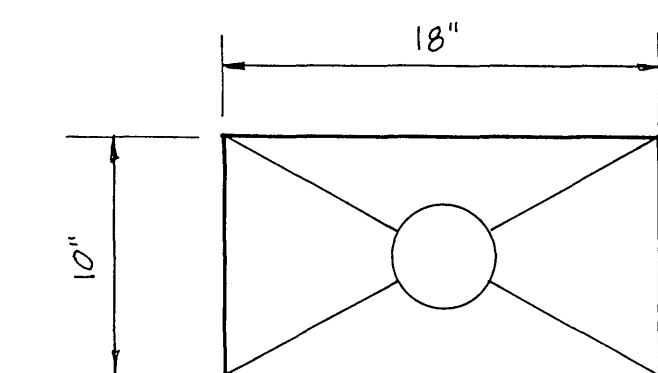


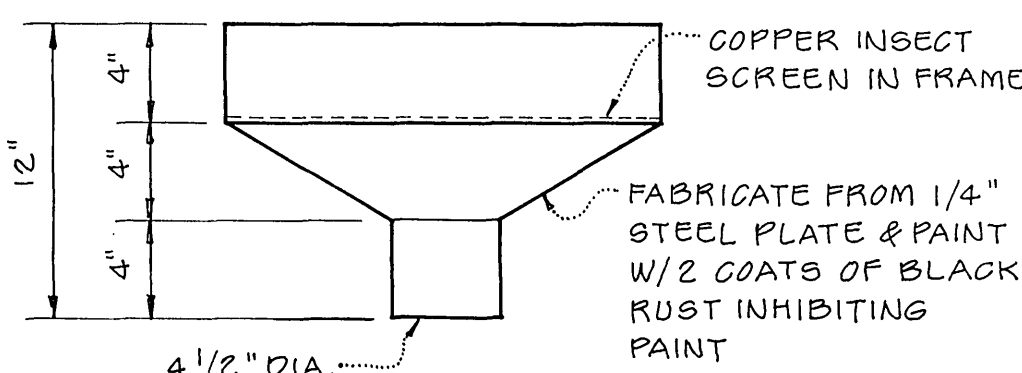


Dewberry & Davis
Engineers Architects Planners Surveyors
8401 Arlington Blvd., Fairfax, VA 22031
703 849-0100

BOILER ADDITION ROANOKE SEWAGE TREATMENT PLANT



PLAN



ELEVATION

TROUGH DRAIN DETAIL

N.T.S.

BOILER DRAIN DETAIL

NOT TO SCALE

NEW 100 GAL.
COND. RECEIVER
SEE DETAIL THIS SHT.
FOR PIPING ETC.

EXIST. COND.
RECEIVER

DUAL BOILER
FEEDWATER
PUMPS

APPROX. 82 FT.
(VERIFY AT PROJECT SITE)

PARTIAL LOWER LEVEL FLOOR PLANS

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

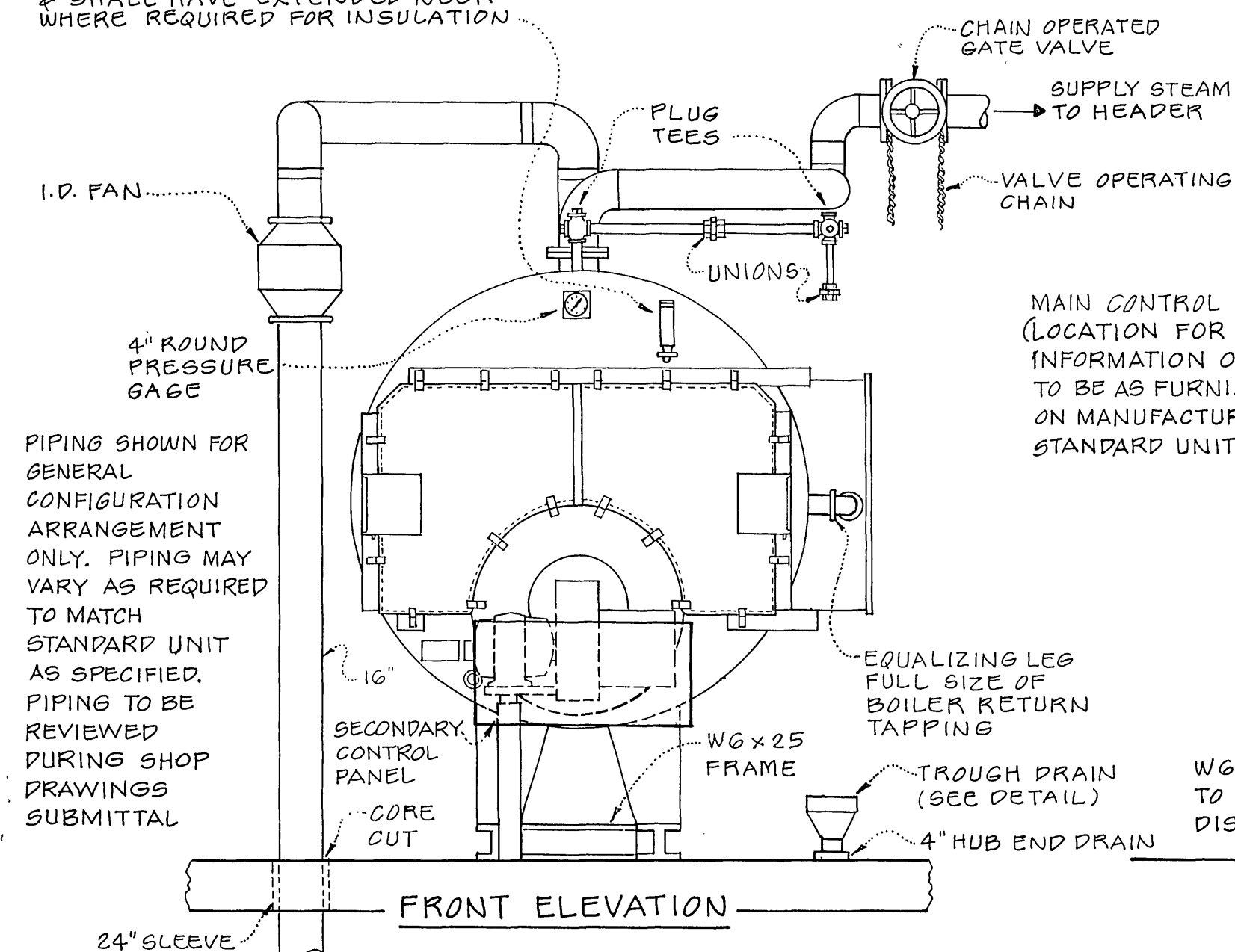
NOTE: INSULATE IN
ACCORDANCE W/ SPECS.
PROVIDE ALUMINUM COVER
W/ DRAW BANDS (MIN 3)
BETWEEN INSIDE & OUTSIDE
WALL.

PARTIAL MAIN FLOOR PLAN

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

NOTE A: THERE ARE EXISTING PIPES BELOW
THE FLOOR WHICH ARE NOT SHOWN
AND WHICH MAY OR MAY NOT REQUIRE
FIELD ADJUSTMENT. THE CONTRACTOR,
UNDER THE DIRECTION OF THE ENGINEER
AND AFTER ALL TEST PIT DATA HAS BEEN
COLLECTED, SHALL SET THE FINAL GRADE
OF THE 16" Ø BREECHING PIPE & SHALL
DETERMINE WHICH EXISTING PIPES SHALL
BE ADJUSTED IF NECESSARY.
NO SEPARATE PAYMENT SHALL BE MADE
FOR THIS WORK INCLUDING ANY DELAYS
ASSOCIATED WITH THIS EFFORT.

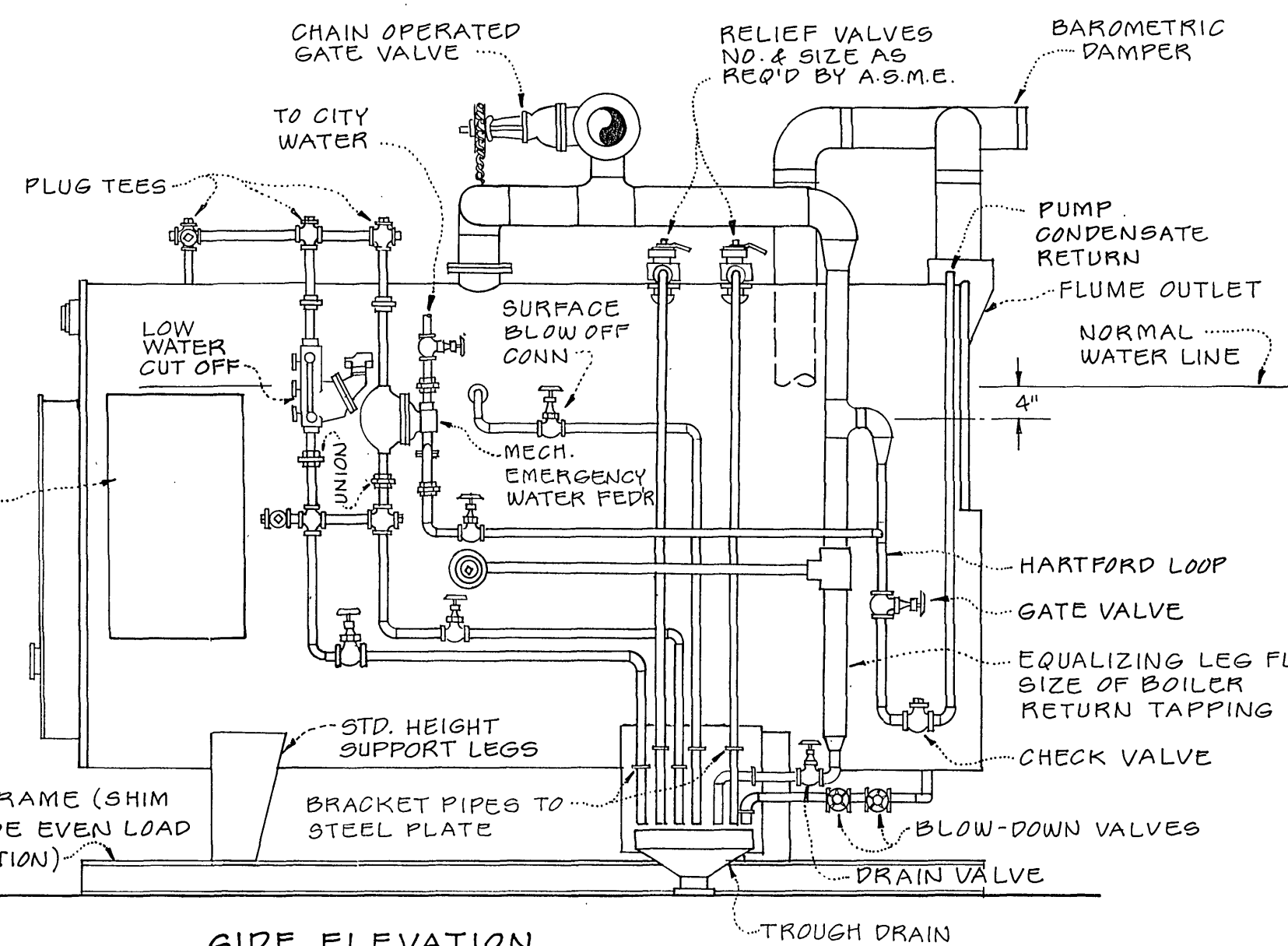
THERMOMETER - SHALL BE CAST
BRASS, 9" SCALE 30°F TO 240°F
& SHALL BE FILLED WITH RED
READING MERCURY. THE THERMOMETER
SHALL BE OF THE SEPARABLE SOCKET
& SHALL HAVE EXTENDED NECK
WHERE REQUIRED FOR INSULATION



FRONT ELEVATION

MAIN CONTROL PANEL
(LOCATION FOR
INFORMATION ONLY
TO BE AS FURNISHED
ON MANUFACTURERS
STANDARD UNIT)

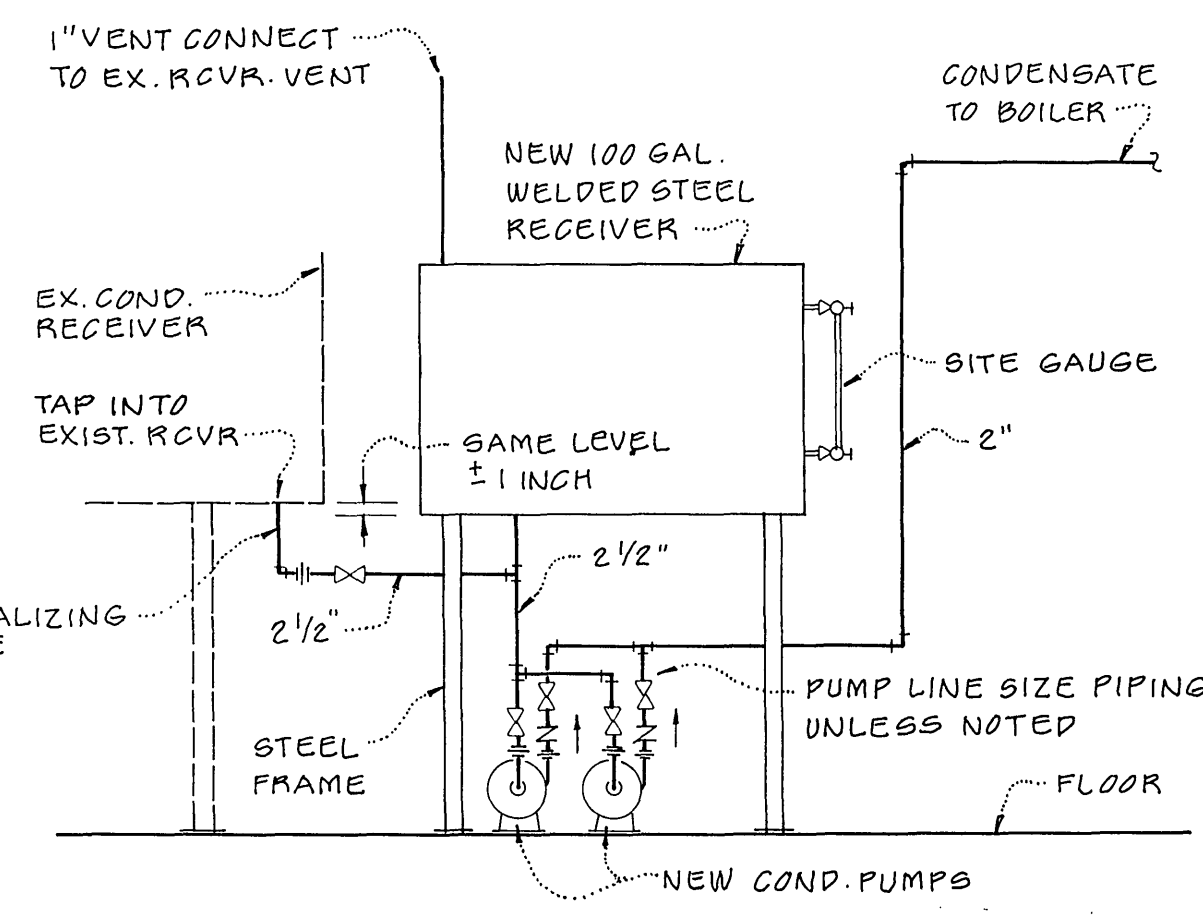
WG x 25
FRAME (SHIM
TO PROVIDE EVEN LOAD
DISTRIBUTION)



SIDE ELEVATION

INSTALLATION NOTES:

1. INSTALL BOILER DEAD LEVEL BOTH DIRECTIONS.
2. FILL SYSTEM SLOWLY & CHECK FOR LEAKS.
3. OBSERVE RISE OF WATER IN SIGHT GLASS AND TEST TRY COCKS.
4. CONTACT OIL BURNER CONTRACTOR FOR BURNER START-UP.
5. DO NOT ALLOW UNHEATED FRESH WATER TO STAND IN BOILER FOR EXTENDED PERIODS AS RAPID CORROSION FROM OXIDATION MAY PIT TUBES.
6. INCREASE TEMPERATURE.
7. DO NOT OPERATE BOILER UNDER 160°F BECAUSE CONDENSATION MAY FORM IN TUBES.
8. FIRE BOILER TO 190°F BOILER WATER TEMPERATURE TO DRIVE OFF FREE OXYGEN.
9. PROVIDE UL LISTED GAS PLUG COCK FOR CUT OFF ON NATURAL GAS FEED AT TAP.
10. CHECK SAFETY RELIEF VALVES BY PULLING HANDLE.



DETAIL, INSTALLATION OF NEW CONDENSATE RECEIVER & PUMPS

DEWBERRY & DAVIS

N.T.S.

DETAILS OF THE INSTALLATION OF THE THREE PASS, GAS-OIL FIRED, SCOTCH TYPE, STEAM BOILER

NOT TO SCALE

Scale
AS SHOWN
Sheet
2 of 3
Date
JUNE 1984
File Number