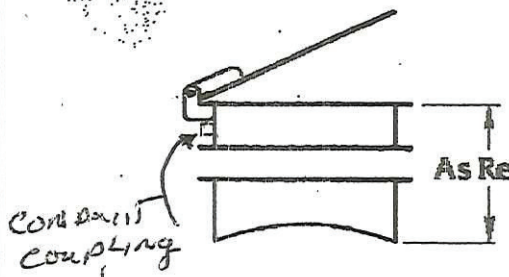
EXAMPLE 3

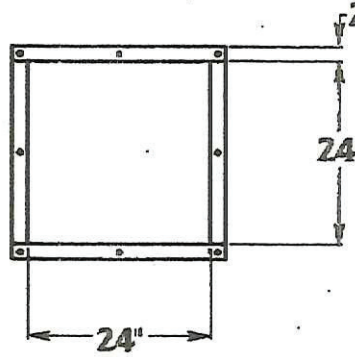
TANK MODEL HTC 3100 LP

ALL COMPONENTS OF TANK ARE OF 1/4 INCH STEEL

MASTERCRAFT
TANK SPECIFICATIONS
CYLINDERICAL HOLDING TANK
MODEL HTC 3100 LP
. All tanks are cylindrical in shape.
. All tanks have a hinged cover with a lock latch, riser and baffle. Made of 1/4 mild steel.
Tar coating UL approved. 42 70
. All tanks have warning label on lid.
Butyl rubber riser gasket.

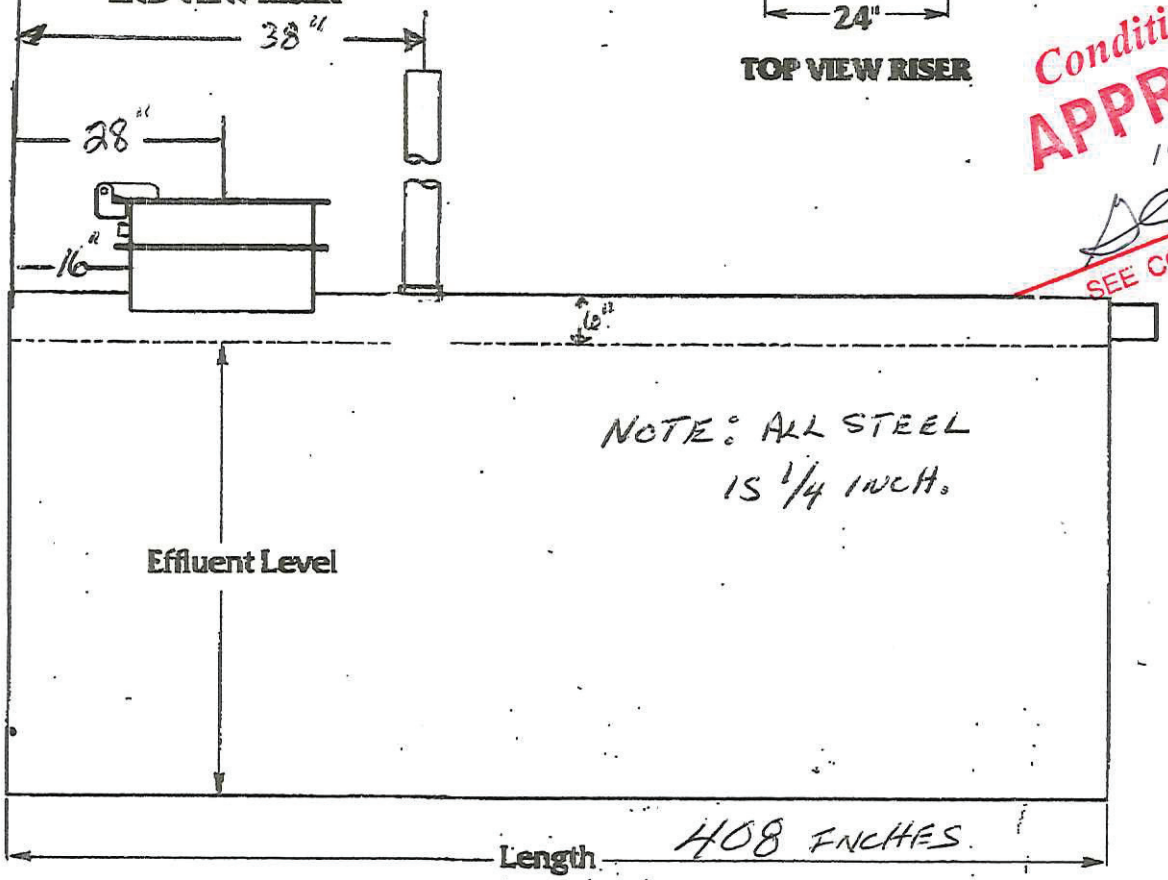


END VIEW RISER

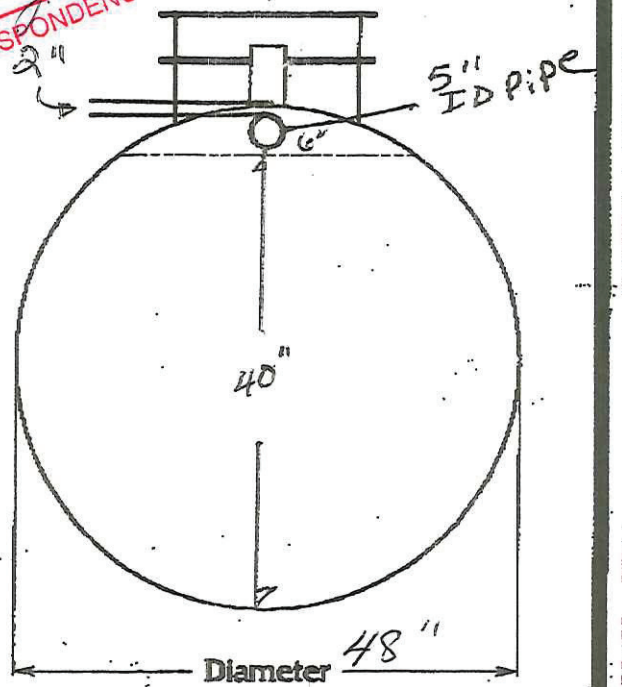


TOP VIEW RISER

Conditionally APPROVED
10-3-13
SEE CORRESPONDENCE



HORIZONTAL CYLINDER SIDE VIEW



CYLINDER END VIEW

20130276
04/08/2013 16:01 9207436099 MASTERCRAFT WELDING PAGE 01/02

EAMPLE TWO

HOME
CALCULATIONS

Calculations

Volume of a Cylindrical Tank

Enter values for the cylindrical tank and the program automatically calculates the rest.

34 Height OR LENGTH

4 Base

Foot Units

Diameter Measurement type

is equal to:

427.26 Cubic ft $(ft)^3$

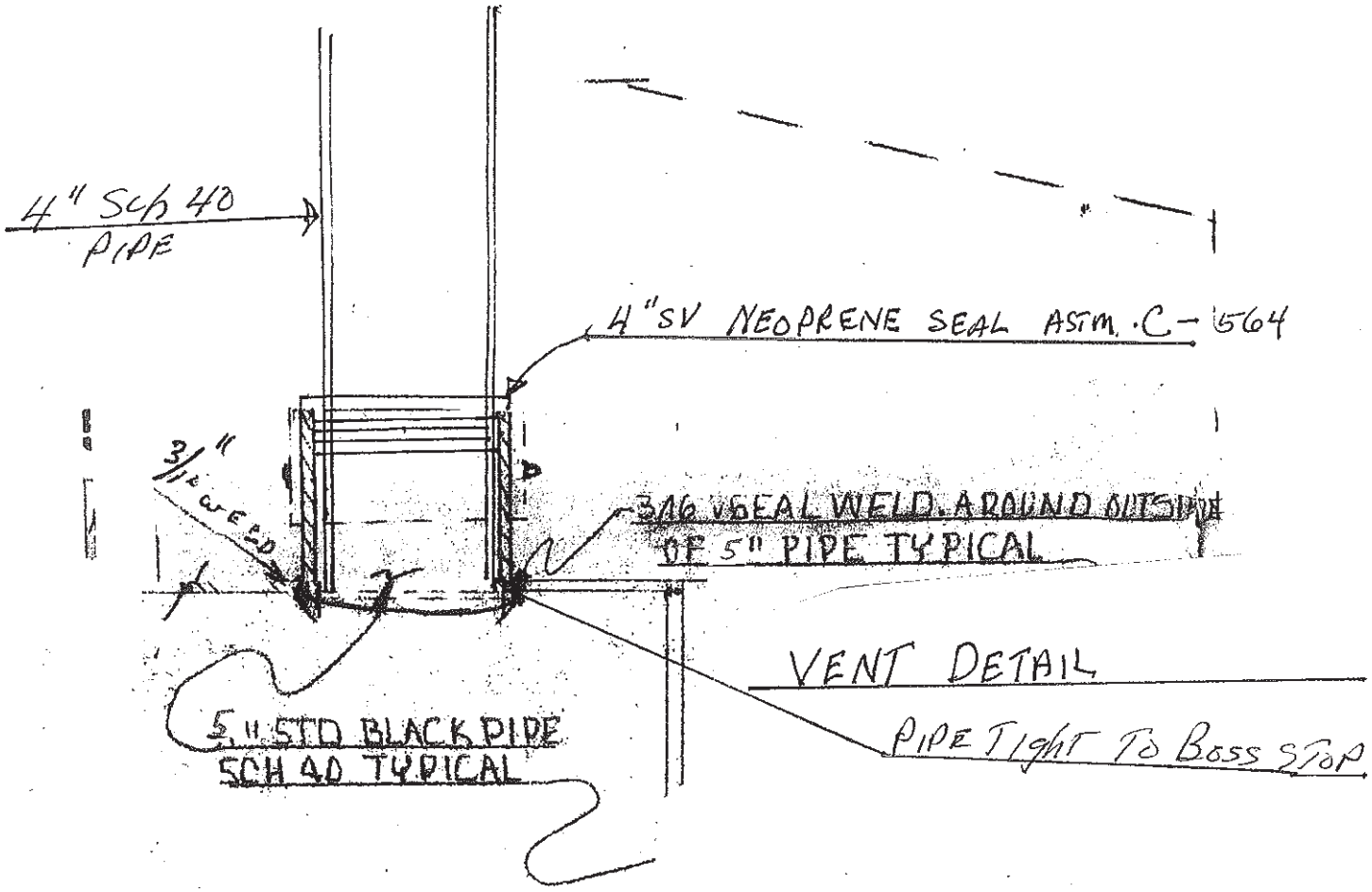
3195.88 Gallons

12112.38 Liters

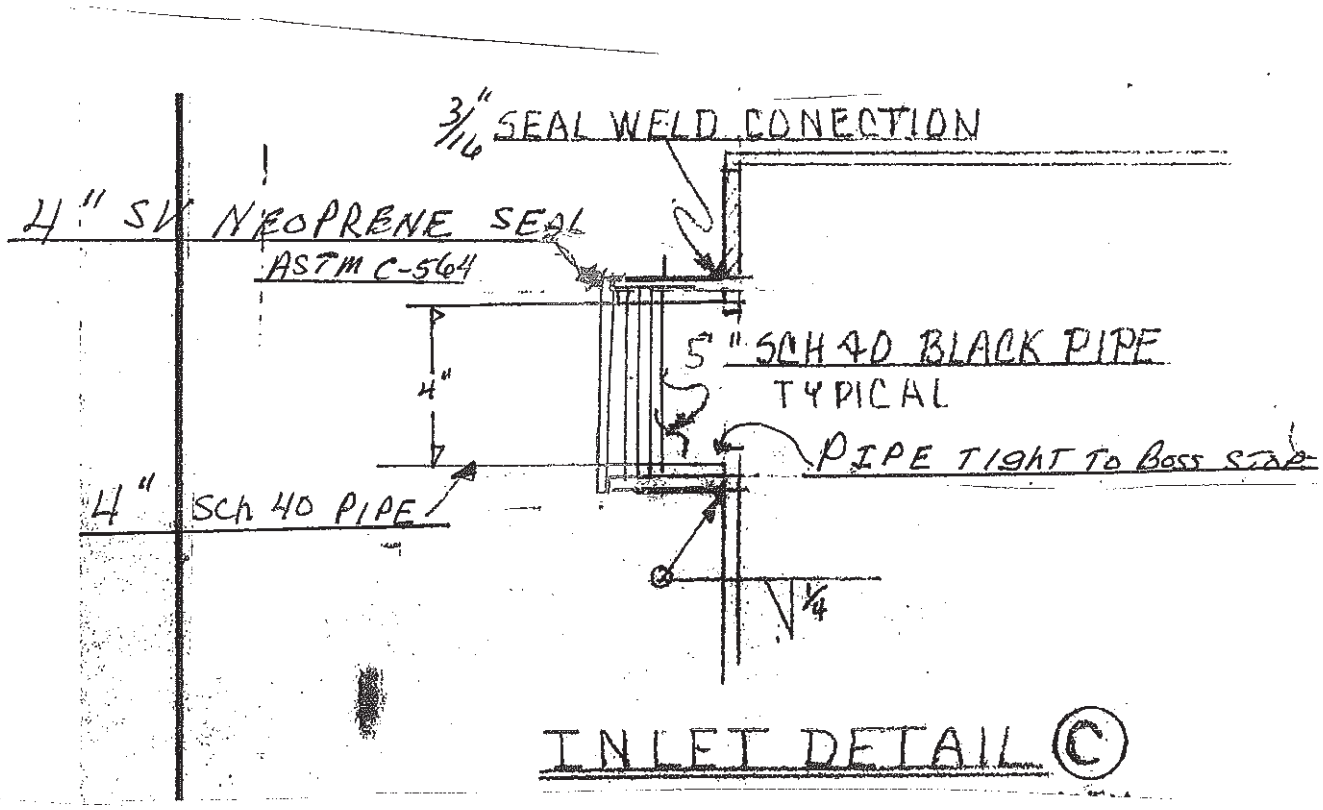
Based on the formula: Volume of Cylinder = $\pi r^2 \cdot h$

Horizontal Tank Chart **Diameter: 48 in.** **Length: 408 in.**

Inches	Gallons	Inches	Gallons	Inches	Gallons
1in.	16.21	2in.	45.57	3in.	83.17
4in.	127.21	5in.	176.6	6in.	230.59
7in.	288.59	8in.	350.14	9in.	414.85
10in.	482.39	11in.	552.48	12in.	624.84
13in.	699.25	14in.	775.47	15in.	853.32
16in.	932.59	17in.	1013.12	18in.	1094.72
19in.	1177.24	20in.	1260.51	21in.	1344.38
22in.	1428.69	23in.	1513.3	24in.	1598.05
25in.	1682.81	26in.	1767.41	27in.	1851.72
28in.	1935.59	29in.	2018.86	30in.	2101.38
31in.	2182.98	32in.	2263.51	33in.	2342.78
34in.	2420.63	35in.	2496.86	36in.	2571.26
37in.	2643.62	38in.	2713.71	39in.	2781.25
40in.	2845.97	41in.	2907.51	42in.	2965.51
43in.	3019.5	44in.	3068.89	45in.	3112.93
46in.	3150.53	47in.	3179.89	48in.	3196.1



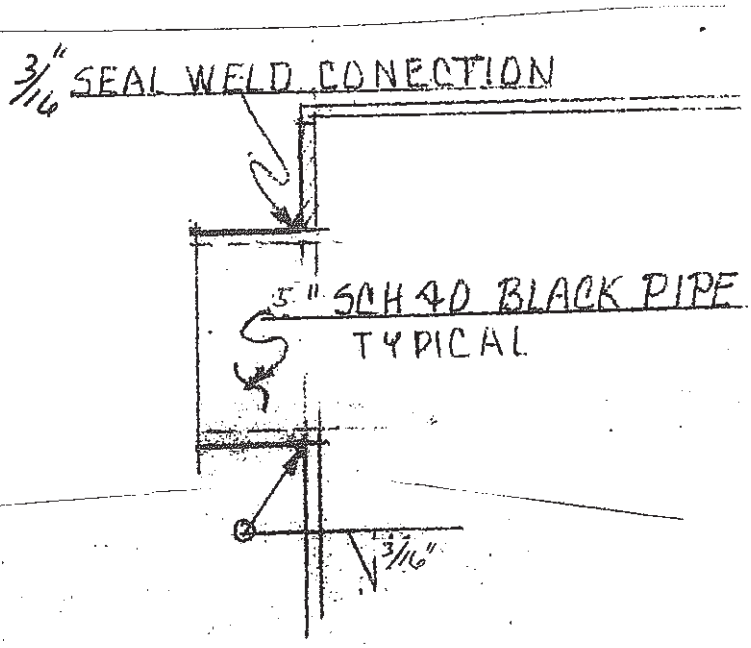
VENT DETAIL



INLET DETAIL ©

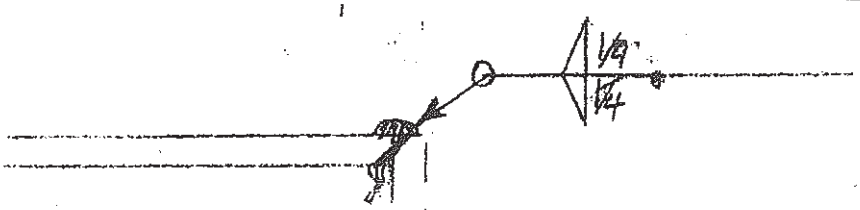
3

BEAD WELD DETAIL



INLET DETAIL

INLET 5" SCH 40 BLACK PIPE



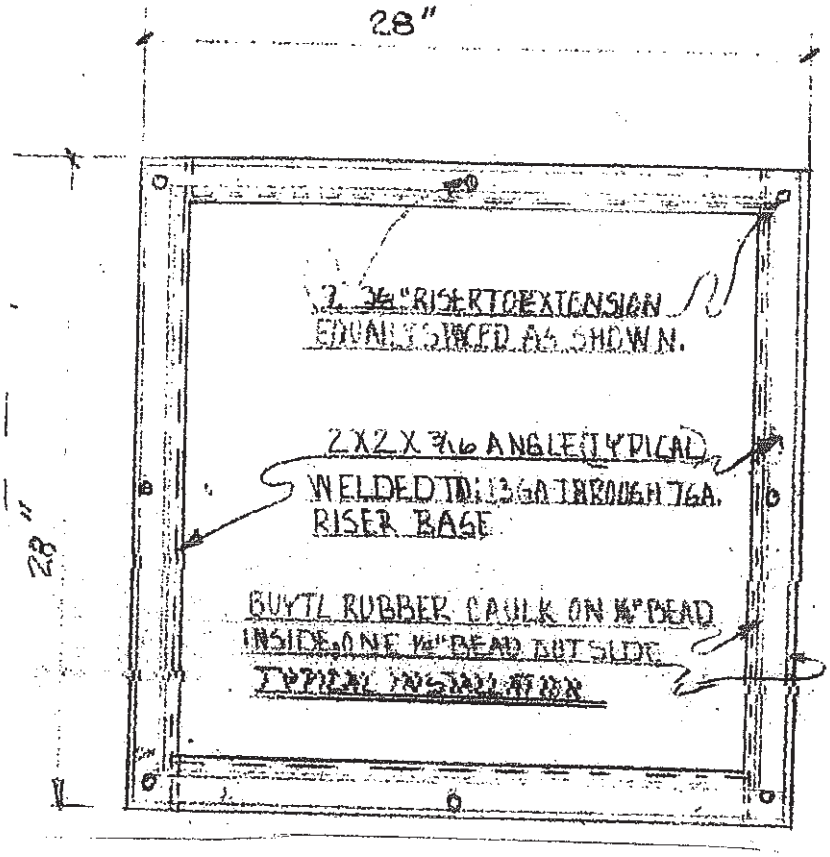
TANK END

TANK END WELDING DET.

TOP VIEW (D)

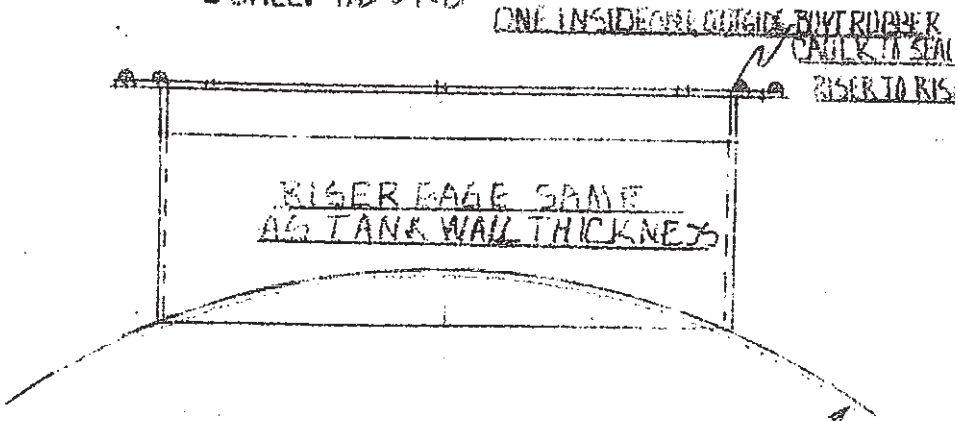
SCALE 1½" = 1'0"

VIEW OF MANHOLE COVER



TOP VIEW (E)

SCALE: 1½" = 1'0"



SIDE VIEW TANK RISER (E)

SCALE 1½" = 1'0"