

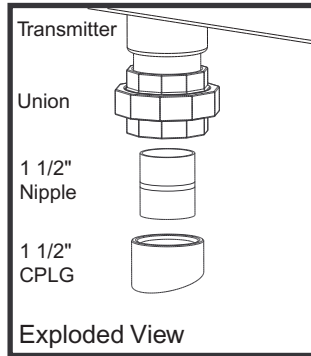
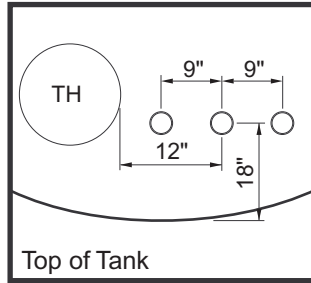
INSTALLATION OF EQUIPMENT:

FROM THE TOP OF THE TANK,

- 1 ATTACH FLOAT GUIDE LINE ENDS TO FLOAT GUIDES AND INSTALL ON THE TWO OUTSIDE CPLG'S
- 2 MOUNT TRANSMITTER ON CENTER CPLG USING THE 1 1/2" UNION AND NIPPLE
- 3 ATTACH LENGTH OF ROPE TO TRANSMITTER CABLE ON TRANSMITTER AND LOWER INSIDE TANK . THIS ROPE IS USED TO PULL THE FLOAT CABLE OUT OF THE TRANSMITTER TO THE FLOAT.
- 4 ADD FIVE LITRES OF LOWTEMP OIL TO TRANSMITTER SPOOL CASE THROUGH THE OIL PLUG.

FROM INSIDE THE TANK,

- 5 THREAD FLOAT GUIDES THROUGH GUIDE FERRULES ON FLOAT.
- 6 ATTACH FLOAT GUIDES TO CLIPS ON FLOOR.
- 7 PULL TRANSMITTER CABLE OUT OF THE TRANSMITTER TO THE FLOAT.
- 8 PASS THE FLOAT CABLE THROUGH EYELET ON THE FLOAT AND ATTACH A 1/8" SST WIRE CLIP.
- 9 REMOVE LENGTH OF ROPE FROM TRANSMITTER CABLE



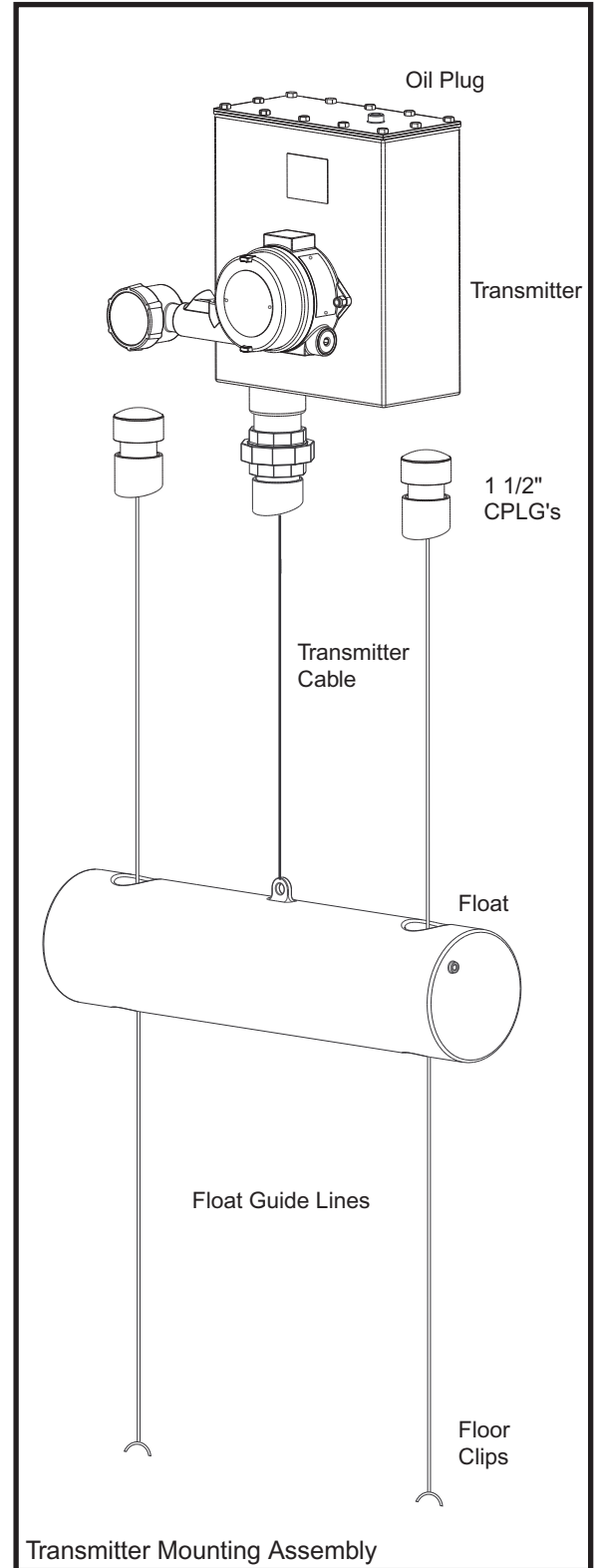
Please call if you have any questions.

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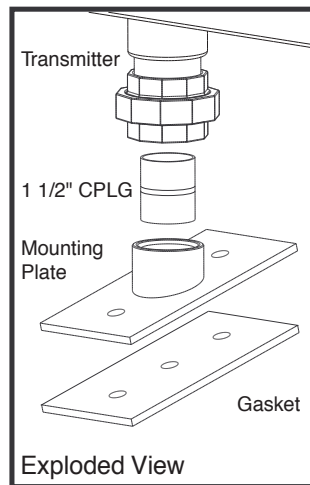
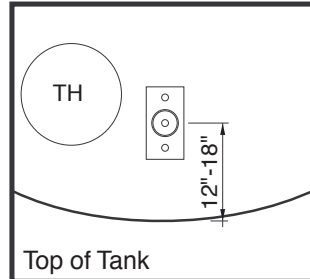
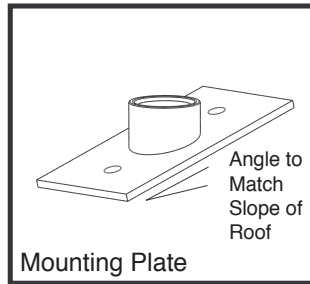
Contact



EQUIPMENT REQUIRED FOR INSTALLATION:

- THREE 1 1/2" CPLG'S WELDED ON ROOF OF TANK
- TWO CLIPS ON FLOOR OF TANK
- DNB TRANSMITTER
- FLOAT, 18" CENTERS ON GUIDE FERRULES, WEIGHT 9 - 11 POUNDS
- TWO FLOAT GUIDE LINES - 5/16" BRAIDED NYLON ROPE, LENGTH IS THE HEIGHT OF TANK PLUS 5'
- TWO FLOAT GUIDE LINE ENDS, (TWO 1 1/2" CAPS, 1 1/2" X 3" NIPPLES, 3/4" WASHERS AND 1/2" NUTS)
- ONE 1 1/2" UNION AND TWO 1 1/2" X 2" NIPPLE
- FIVE LITRES LOW TEMPERATURE HYDRAULIC OIL
- ONE LENGTH OF ROPE THE HEIGHT OF TANK FOR USE DURING INSTALLATION

- 1 MAKE UP TRANSMITTER MOUNTING PLATE SO TRANSMITTER WILL BE LEVEL.
- 2 USING THE TRANSMITTER MOUNTING PLATE AS A TEMPLATE, MARK THE LOCATION OF THE TRANSMITTER ON THE ROOF OF TANK. LOCATION OF THE TRANSMITTER SHOULD BE 18" FROM THE WALL OF THE TANK AND CLOSE TO THE THIEF HATCH. AVOID ANY PIPING INSIDE THE TANK.
- 3 MARK AND DRILL THREE 1/2" HOLES.
- 4 INSTALL TRANSMITTER MOUNTING PLATE AND GASKET USING A 1/2" BOLT AND NUT AND FLOAT GUIDE HANGER THROUGH THE TWO OUTSIDE HOLES.
- 5 ATTACH FLOAT GUIDES TO THE 50LB LEAD WEIGHT, USING THE 18" SPACED HOLES.
- 6 LOWER ANCHOR WEIGHT THROUGH THE THIEF HATCH TO THE TANK FLOOR. AVOID TWISTING OF THE FLOAT GUIDES.
- 7 THREAD FLOAT GUIDES THROUGH GUIDE FERRULES IN THE FLOAT AND INSERT FLOAT INTO TANK. TIE A LINE ON THE FLOAT SO AS NOT TO DROP IT INSIDE THE TANK.
- 8 TIE OFF FLOAT GUIDES TO FLOAT GUIDE HANGER SO THAT THE LEAD WEIGHT IS 2" OFF THE FLOOR OF THE TANK.
- 9 INSTALL TRANSMITTER CABLE THROUGH CENTER HOLE OF TRANSMITTER MOUNTING PLATE AND ATTACH THE CABLE TO THE FLOAT WITH CABLE CLAMPS OR THE METAL T-LATCH END.
- 10 INSTALL TRANSMITTER ON THE TRANSMITTER MOUNTING PLATE WITH A 1 1/2" COUPLING.
- 11 LOWER FLOAT TO BOTTOM OF TANK SLOWLY AND ENSURE FLOAT GUIDES ARE NOT TWISTED.
- 12 ADD 5 LITRES OF LOWTEMP HYDRAULIC OIL AND 150ML METHELHYDRATE TO THE TRANSMITTER SPOOL CASE VIA THE OIL PLUG.



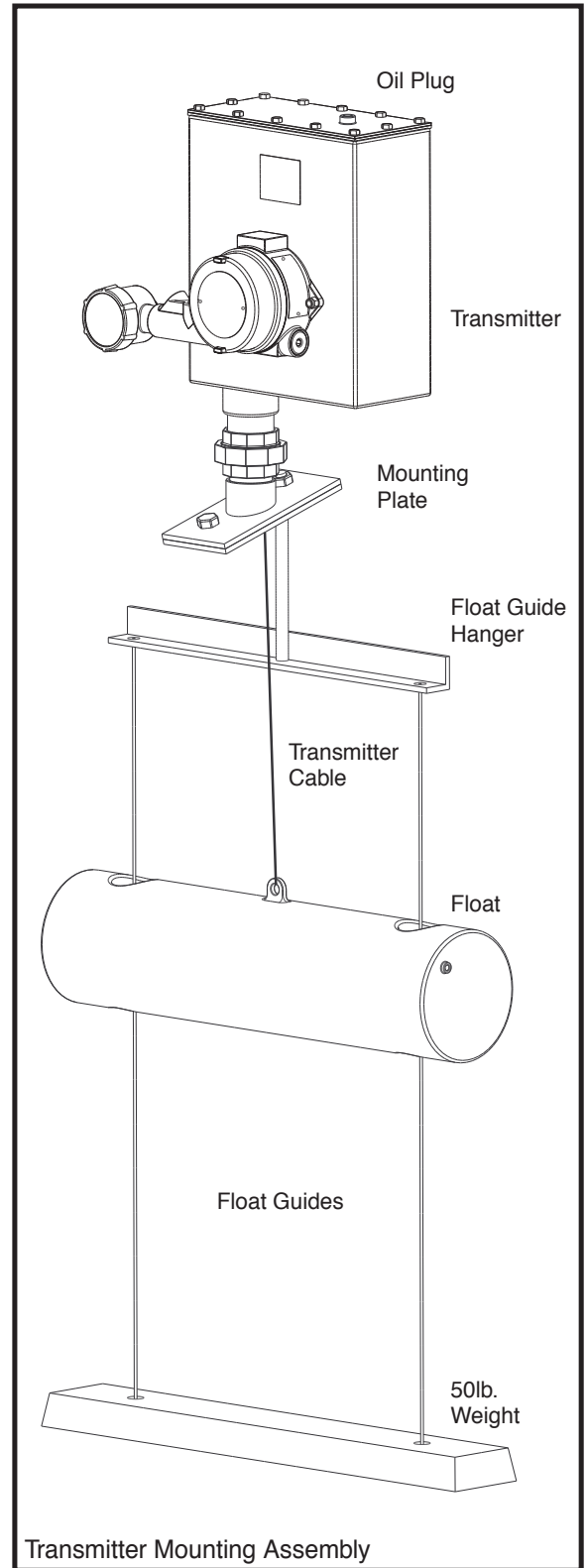
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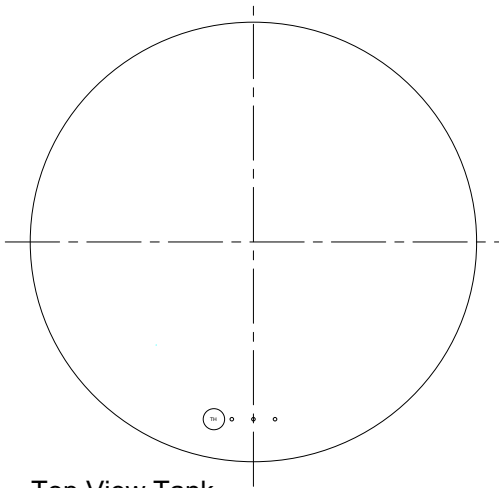
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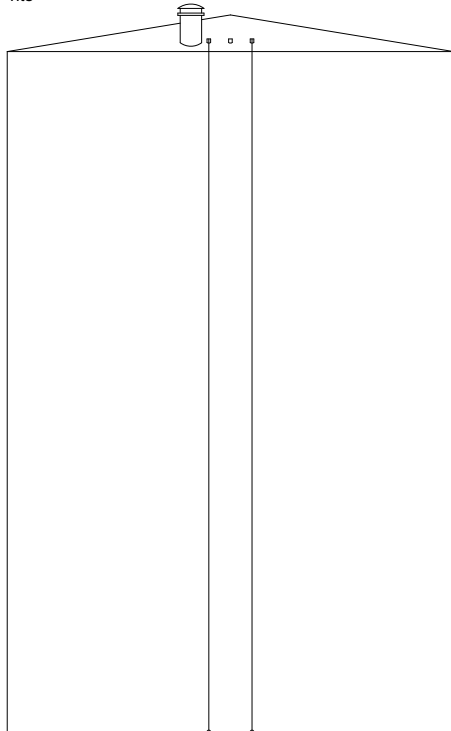
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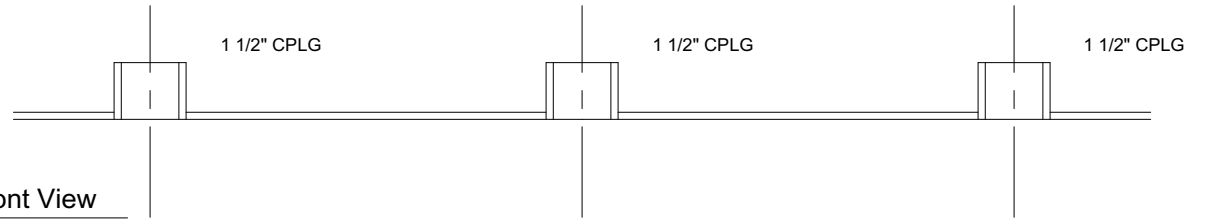




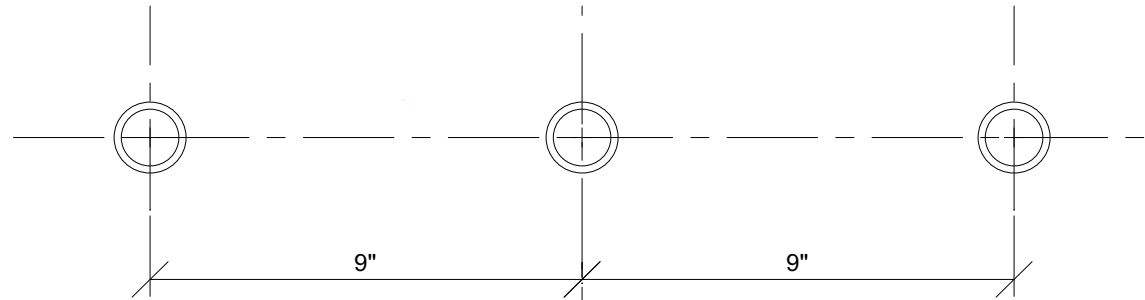
Top View Tank
nts



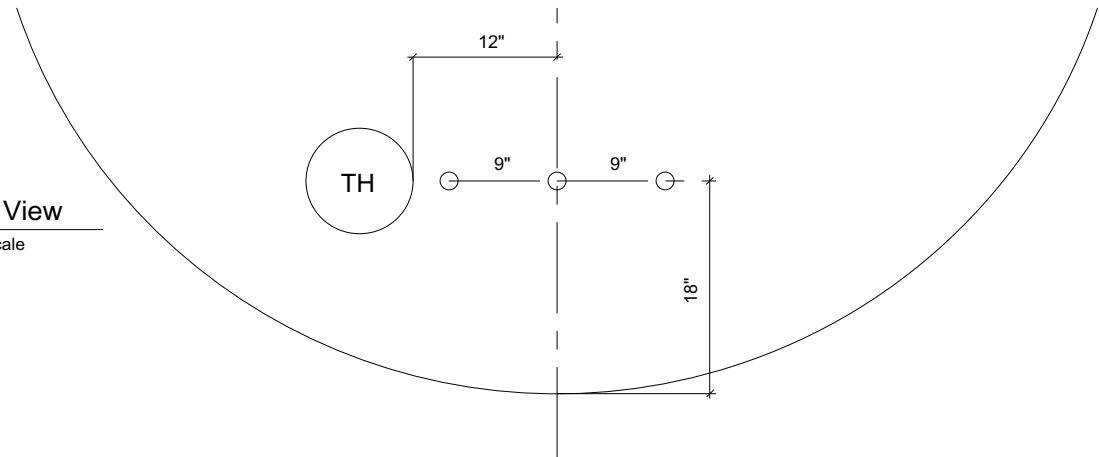
Front View Tank
nts



Front View
1/4 Scale



Top View
1/4 Scale



Plan View
1/16 Scale

Note:

Position center fitting (1 1/2" CPLG) 12" from the Thief Hatch and 18" or more from the tank wall. Attach clips on floor of tank to correspond with the two outside fittings.

DNB Oilfield Service Ltd.

Tank Liquid Level Monitors and Controllers

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title Tank and Fittings		project no. 97-010	
project Tank Liquid Level Monitor		scale As noted	
date Oct 2004	drawn CB	checked DB	drawing no. 1of1

3.0

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