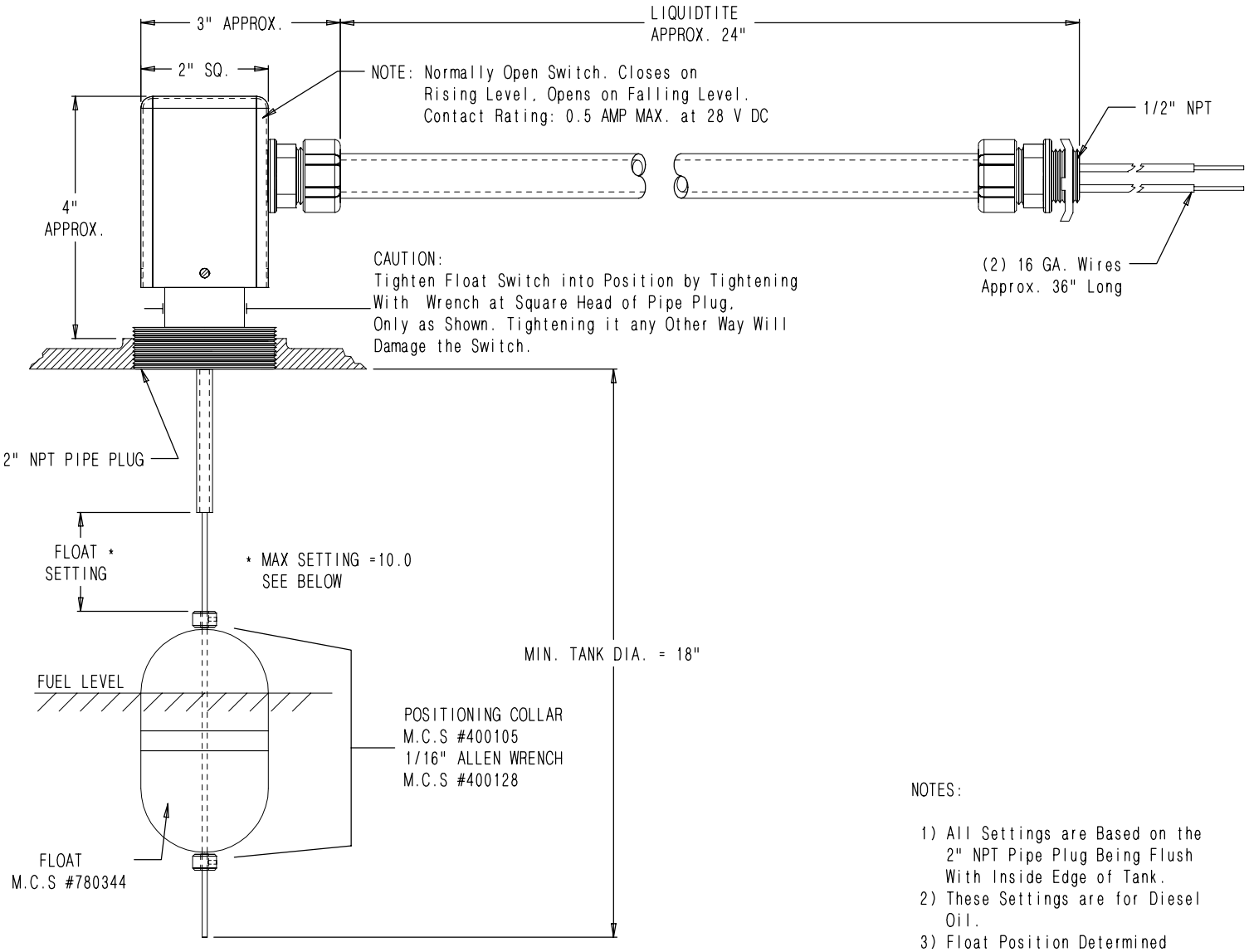
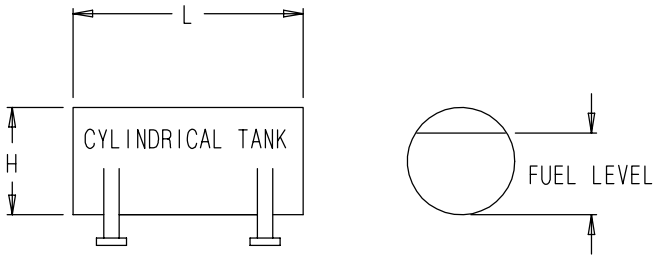
ISSUE	SUMMARY		
6	Corrected Dwg/ECN-2057.	JEM	25 May 00
7	Add Float Level/ECN 2532	BSH	21 JUL. 04



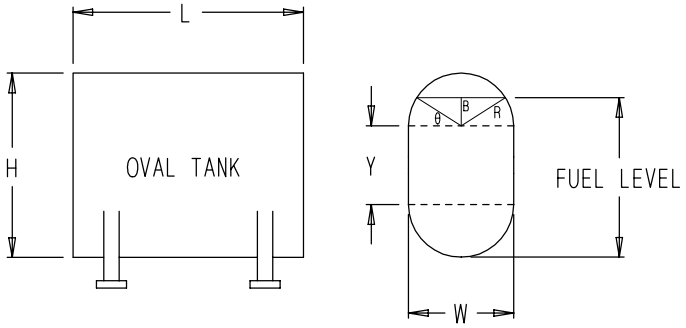
NOTES:

1) All Settings are Based on the 2" NPT Pipe Plug Being Flush With Inside Edge of Tank.
2) These Settings are for Diesel Oil.
3) Float Position Determined With Float Rod Fully Extended.



CYLINDRICAL TANK FLOAT SETTING FORMULAS

80% Fuel Level = 0.746 x Tank Dia.
Float Level = 0.254 x (Tank Dia.) - 3.25" in Fuel (Retracted)
Float Setting = 0.254 x (Tank Dia.) - 4.25" in Air (extended)



OVAL TANK FLOAT SETTING FORMULAS

$$\left([(H - W)\,W] + \left[\pi \left(\frac{W}{2} \right)^2 \right] \right) 0.2 = \frac{\pi R^2 \theta}{360} - \frac{R^2 \sin \theta}{2}$$

SOLVE FOR θ

$$B = R \cos\left(\frac{\theta}{2} \right)$$

$$80\%\ \text{FUEL LEVEL} = \frac{W}{2} + Y + B$$

FLOAT LEVEL = H - FUEL LEVEL - 3.25"
FLOAT SETTING = H - FUEL LEVEL - 4.25"

*For Float Settings See: 4817 - 6288_Fuel_Switch_Settings.WP1

SCALE 3/8" = 1"

HIGH FUEL SWITCH MODEL 6288
INSTALLATION DETAILS

MASTER CONTROL SYSTEMS INC.
LAKE BLUFF, ILLINOIS U.S.A.

USED ON	RE-PLOT 21 JUL. 04
DRN. FC	DES.
APP.	DATE 22 NOV.77
DWG. 6288	ISS. 7 SHEET 1 OF 1