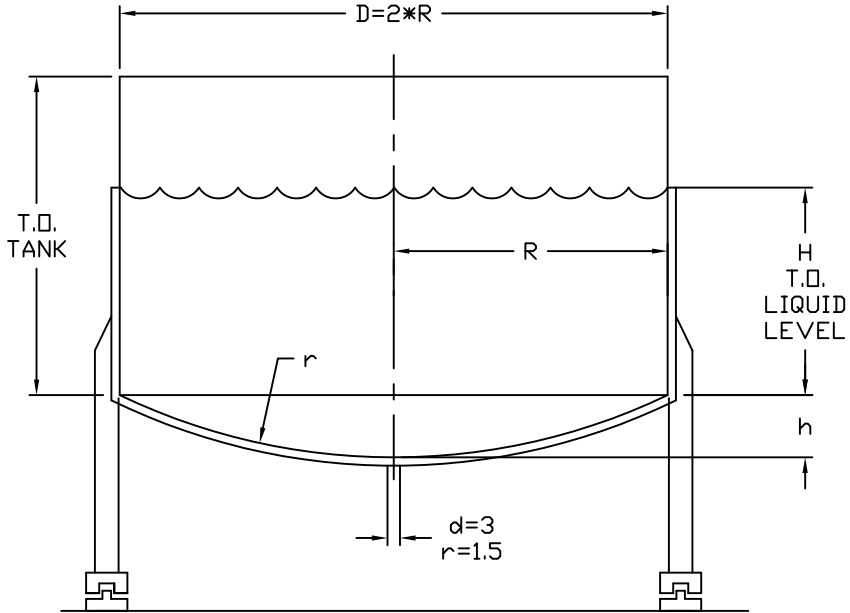


TANK INFORMATION



VOLUME OF A CYLINDRICAL TANK
 $= 2 * \pi * R^2 * H$

SURFACE AREA OF A CYLINDRICAL SHELL
 (NO TOP OR BOTTOM)
 $= 2 * \pi * R * H$

VOLUME OF A DISHED TANK BOTTOM:
 $= 1/3 * \pi * h^2 * (3*r - h)$
 SURFACE AREA OF A DISHED TANK BOTTOM:
 $= 2 * \pi * R * h$
 VOLUME OF A CONICAL TANK BOTTOM:

$$= 0.2618 * h * (D^2 + D*d + d^2)$$

SURFACE AREA OF A CONICAL TANK BOTTOM:

$$= \pi / 2 * \sqrt{(R-r)^2 + h^2} * (D+d)$$

SURFACE AREA OF FLAT TANK BOTTOM
 $= \pi * R^2$

CONVERSION FACTOR CU.IN. TO IMP. GALLON
 $= \text{CU.IN.} / 277.42 = \text{IMP. GALLONS}$
 CONVERSION FACTOR CU.IN. TO LITERS
 $= \text{CU.IN.} / 61.02 = \text{LITERS}$

REV	DESCRIPTION	BY	DATE

TANK CAPACITY AND SURFACE AREA FORMULAS

SCALE: ---	DATE: 01/05/04	DRAWN BY: A.D.	DWG NO. 13TANCAL
SHEET No.: 1 OF 1		CHECKED BY: --	REV.: 0