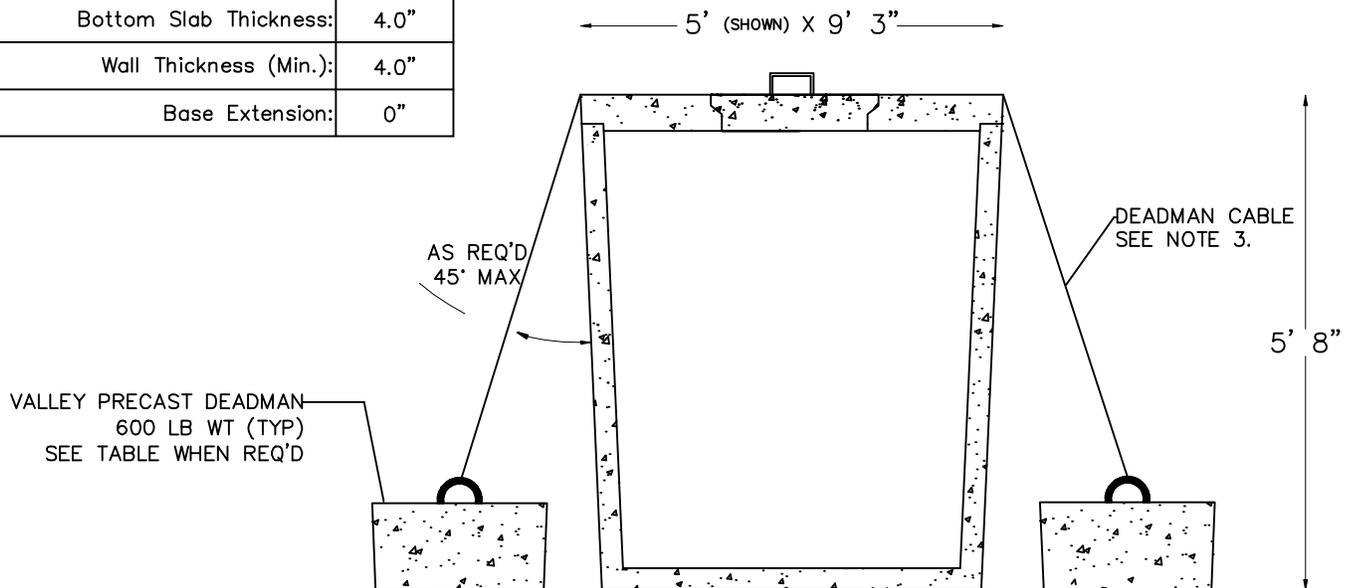


# Buoyancy Requirements (1000 Gallon Tank Sample)

**Available in all variations of 500, 1000, 1250, 1500, 2000, 2500 Gallon Tanks**

Structure Size:	Length	Width	Inside Ht.
	8.58'	4.33'	4.92'
Top Slab Thickness:			5.0"
Bottom Slab Thickness:			4.0"
Wall Thickness (Min.):			4.0"
Base Extension:			0"



## BUOYANCY DESIGN NOTES

1. MINIMUM SAFETY FACTOR TO RESIST BUOYANCY: 1.05
2. BUOYANCY ANALYSIS BASED UPON 120PCF SOIL AND 150PCF CONCRETE.
3. DEADMAN CABLE DESIGN AND DETAILS BY OTHERS. (2,000 LB MIN. SAFE WORKING LOAD REQ'D).
4. SEE VALLEY PRECAST SHOP DRAWINGS FOR ADD'L TANK DETAILS.

PLEASE REFER TO BUOYANCY ENGINEERING FOR SPECIFIC NUMBER OF DEADMEN NEEDED FOR EACH TANK.

BUOYANCY SUMMARY (4 - DEADMEN REQ'D WHEN NOTED)		
MIN. EARTH FILL	WATER TABLE BELOW GRADE (MIN)	DEADMEN REQ'D?
0' - 0"	0' - 0"	YES
2' - 6"	0' - 0"	NO
0' - 0"	2' - 0"	NO

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