



T N E M E C

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ESTIMATING GUIDE

FOR SURFACE AREAS OF WATER TANKS



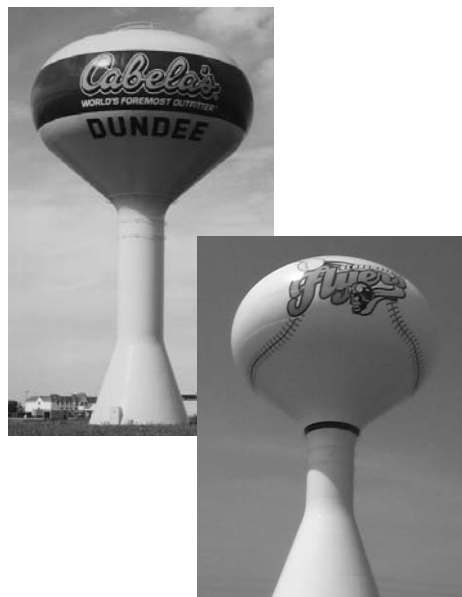
Fluted Column Tanks

Capacity (Gallons)	Inside Area		Outside Area
	Wet	Dry	
500,000	12,000	17,500	19,300
750,000	15,900	26,750	27,675
1,000,000	19,850	31,850	33,250
1,500,000	27,850	35,975	39,750
2,000,000	31,000	54,250	47,750



Multi-Column Tanks

Capacity (Gallons)	Riser Diameter	Inside Area	Outside Area
50,000	4 ft.	3,150	6,500
100,000	4 ft.	4,300	8,000
150,000	4 ft.	5,100	9,900
200,000	4 ft.	5,900	11,100
250,000	4 ft.	6,700	12,700
500,000	5 ft.	10,000	19,600
750,000	8 ft.	13,600	29,100
1,000,000	8 ft.	17,000	36,900



Single Pedestal Spheroid Tanks

Capacity (Gallons)	Inside Area		Outside Area
	Wet	Dry	
50,000	2,200	2,700	3,950
100,000	3,350	2,950	5,350
150,000	4,150	3,450	6,500
200,000	5,000	4,100	7,750
250,000	5,700	4,500	8,700
500,000	9,000	5,500	12,750
750,000	11,750	7,100	16,500
1,000,000	14,750	8,900	20,450
1,500,000	19,250	10,400	26,300
2,000,000	22,950	11,830	31,100

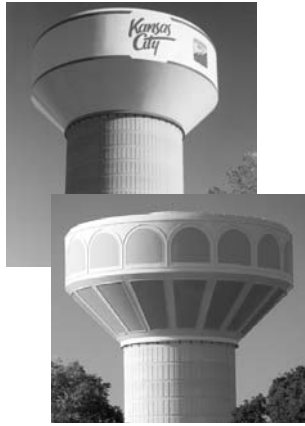
The above figures are only approximations. Single Fluted Column, Elevated & Pedestal Column figures are based on a height of 100 feet to the base of the tank. The outside area of Elevated Tanks include supporting columns. These figures should not be used to finalize drawings or bidding of projects.



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Composite Elevated Tanks (CET)

Capacity (Gallons)	Inside Steel	Outside Steel	Outside Concrete Pedestal
500,000	12,360	9,410	8,570
750,000	15,715	12,270	9,690
1,000,000	19,530	15,460	10,730
1,500,000	26,900	20,145	14,330
2,000,000	33,020	25,090	14,520



Ground Storage - Standpipe - Reservoir Tanks

Flat Roof or Floor Area = $.7854 \times \text{diameter}^2$

Roof and Framing Area = $1.22 \times \text{diameter}^2$

Cone Roof Area = $.85 \times \text{diameter}^2$

Shell Area = $3.1416 \times \text{diameter} \times \text{height}$