

# RETAINING WALL BLOCK ESTIMATOR

To use: **1.** Locate wall length and wall height to identify quantities needed. **2.** Add buried base quantities. **3.** Add cap quantities.

## 1. EXPOSED WALL QUANTITIES

Height in Feet	Number of Units	Wall Length in Feet										
		5'	10'	15'	20'	25'	30'	35'	40'	45'	50'	
1.5'	6"x16"	5	10	15	20	25	30	35	40	45	50	
	6"x8"	5	10	15	20	25	30	35	40	45	50	
	3"x16"	5	10	15	20	25	30	35	40	45	50	
	3"x8"	5	10	15	20	25	30	35	40	45	50	
2.0'	6"x16"	7	14	20	27	34	40	47	54	60	67	
	6"x8"	7	14	20	27	34	40	47	54	60	67	
	3"x16"	7	14	20	27	34	40	47	54	60	67	
	3"x8"	7	14	20	27	34	40	47	54	60	67	
2.5'	6"x16"	9	17	25	34	42	50	59	67	75	84	
	6"x8"	9	17	25	34	42	50	59	67	75	84	
	3"x16"	9	17	25	34	42	50	59	67	75	84	
	3"x8"	9	17	25	34	42	50	59	67	75	84	
3.0'	6"x16"	10	20	30	40	50	60	70	80	90	100	
	6"x8"	10	20	30	40	50	60	70	80	90	100	
	3"x16"	10	20	30	40	50	60	70	80	90	100	
	3"x8"	10	20	30	40	50	60	70	80	90	100	
3.5'	6"x16"	12	24	35	47	59	70	82	94	105	117	
	6"x8"	12	24	35	47	59	70	82	94	105	117	
	3"x16"	12	24	35	47	59	70	82	94	105	117	
	3"x8"	12	24	35	47	59	70	82	94	105	117	
4.0'	6"x16"	14	27	40	54	67	80	94	107	120	134	
	6"x8"	14	27	40	54	67	80	94	107	120	134	
	3"x16"	14	27	40	54	67	80	94	107	120	134	
	3"x8"	14	27	40	54	67	80	94	107	120	134	
4.5'	6"x16"	15	30	45	60	75	90	105	120	135	150	
	6"x8"	15	30	45	60	75	90	105	120	135	150	
	3"x16"	15	30	45	60	75	90	105	120	135	150	
	3"x8"	15	30	45	60	75	90	105	120	135	150	
5.0'	6"x16"	17	34	50	67	84	100	117	134	150	167	
	6"x8"	17	34	50	67	84	100	117	134	150	167	
	3"x16"	17	34	50	67	84	100	117	134	150	167	
	3"x8"	17	34	50	67	84	100	117	134	150	167	
5.5'	6"x16"	19	37	55	74	92	110	129	147	165	184	
	6"x8"	19	37	55	74	92	110	129	147	165	184	
	3"x16"	19	37	55	74	92	110	129	147	165	184	
	3"x8"	19	37	55	74	92	110	129	147	165	184	
6.0'	6"x16"	20	40	60	80	100	120	140	160	180	200	
	6"x8"	20	40	60	80	100	120	140	160	180	200	
	3"x16"	20	40	60	80	100	120	140	160	180	200	
	3"x8"	20	40	60	80	100	120	140	160	180	200	
2. BURIED BASE QUANTITIES	BASE	6"x16"	3	5	8	10	13	15	18	20	23	25
		6"x8"	3	5	8	10	13	15	18	20	23	25

## 3. CAP QUANTITIES

Number of Units	Wall Length in Feet									
	5'	10'	15'	20'	25'	30'	35'	40'	45'	50'
Straight Wall	8	16	24	32	40	48	56	64	72	80
Curved Wall	9	18	27	36	44	53	62	71	80	88

# FREE STANDING WALL BLOCK ESTIMATOR

To use: **1.** Locate wall length and wall height to identify quantities needed for straight or curved walls. **2.** Add buried base quantities. **3.** Add cap quantities. **4.** Estimate quantities needed for columns.

## 1. EXPOSED WALL QUANTITIES, STRAIGHT WALL

Height in Feet	Number of Units	Straight Wall Length in Feet									
		5'	10'	15'	20'	25'	30'	35'	40'	45'	50'
1.5'	6"x16"	5	9	13	17	21	25	30	34	38	42
	6"x8"	5	9	13	17	21	25	30	34	38	42
	3"x16"	10	18	26	34	42	50	60	68	76	84
	3"x8"	10	18	26	34	42	50	60	68	76	84
2.0'	6"x16"	6	12	17	23	28	34	39	45	50	56
	6"x8"	6	12	17	23	28	34	39	45	50	56
	3"x16"	12	24	34	46	56	68	78	90	100	112
	3"x8"	12	24	34	46	56	68	78	90	100	112
2.5'	6"x16"	7	14	21	28	35	42	49	56	63	70
	6"x8"	7	14	21	28	35	42	49	56	63	70
	3"x16"	14	28	42	56	70	84	98	112	126	140
	3"x8"	14	28	42	56	70	84	98	112	126	140
3.0'	6"x16"	9	17	25	34	42	50	59	67	75	84
	6"x8"	9	17	25	34	42	50	59	67	75	84
	3"x16"	18	34	50	68	84	100	118	134	150	168
	3"x8"	18	34	50	68	84	100	118	134	150	168
Base	6"x16"	3	6	9	12	14	17	20	23	25	28
	6"x8"	3	6	9	12	14	17	20	23	25	28

## 2. BURIED BASE QUANTITIES

## 1. EXPOSED WALL QUANTITIES, CURVED WALL

Height in Feet	Number of Units	Curved Wall Length in Feet									
		5'	10'	15'	20'	25'	30'	35'	40'	45'	50'
1.5'	6"x16"	5	10	15	19	24	29	33	38	43	47
	6"x8"	5	10	15	19	24	29	33	38	43	47
	3"x16"	10	20	30	38	48	58	66	86	86	94
	3"x8"	10	20	30	38	48	58	66	86	86	94
2.0'	6"x16"	7	13	19	25	32	38	44	50	57	63
	6"x8"	7	13	19	25	32	38	44	50	57	63
	3"x16"	14	26	38	50	64	76	88	100	114	126
	3"x8"	14	26	38	50	64	76	88	100	114	126
2.5'	6"x16"	8	16	24	32	40	47	55	63	71	79
	6"x8"	8	16	24	32	40	47	55	63	71	79
	3"x16"	16	32	48	64	80	94	110	126	142	158
	3"x8"	16	32	48	64	80	94	110	126	142	158
3.0'	6"x16"	10	19	29	38	47	57	66	75	85	94
	6"x8"	10	19	29	38	47	57	66	75	85	94
	3"x16"	20	38	58	76	94	114	132	150	170	188
	3"x8"	20	38	58	76	94	114	132	150	170	188
Base	6"x16"	4	7	10	14	16	19	22	26	28	31
	6"x8"	4	7	10	14	16	19	22	26	28	31

## 2. BURIED BASE QUANTITIES

## 3. CAP QUANTITIES

Number of Units	Wall Length in Feet									
	5'	10'	15'	20'	25'	30'	35'	40'	45'	50'
Straight Wall	8	16	24	32	40	48	56	64	72	80
Curved Wall	9	18	27	36	44	53	62	71	80	88

## 4. COLUMN QUANTITIES

Number of Units	Height in Feet								
	2'	2.5'	3'	3.5'	4'	4.5'	5'	5.5'	6'
	16	20	24	28	32	36	40	44	48