



Keystone Pinless System Installation Guidelines



1. Prepare Leveling Pad:
Determine wall location. Dig a shallow trench for wall base (see cross section). Place granular leveling pad material. Compact and level the base pad.



2. Install the base course:
Start at lowest elevation. Place and level the first course units. Build stepped base as required. Complete base course before proceeding with wall.



INTERMEDIATE (CURVED FACE) ESTIMATING CHART

*TOTAL WALL HEIGHT	WALL LENGTH				
	10'	20'	30'	40'	50'
7 5/8" (1 course)	7	14	21	28	35
15 1/4" (2 courses)	14	28	42	56	71
22 3/8" (3 courses)	21	42	64	85	106
30 1/2" (4 courses)	28	56	85	113	141
38 1/8" (5 courses)	35	71	106	141	176

*Wall height is measured from top of leveling pad.

INTERMEDIATE (STRAIGHT FACE) ESTIMATING CHART

*TOTAL WALL HEIGHT	WALL LENGTH				
	12'	18'	24'	30'	36'
7 5/8" (1 course)	8	12	16	20	24
15 1/4" (2 courses)	16	24	32	40	48
22 3/8" (3 courses)	24	36	48	60	72
30 1/2" (4 courses)	32	48	64	80	96
38 1/8" (5 courses)	40	60	80	100	120

*Wall height is measured from top of leveling pad.

Notes Re: Gravity Walls

1. Maximum recommended wall height is 3' for non-critical walls. The maximum height is dependent on wall batter, soil loads affecting the walls, and site conditions including drainage considerations. See special notes for design considerations.
2. For walls over 3' in height, or requiring special design considerations, use Standard or Compac Units.
3. All measurements are approximate.



3. Stack and backfill:
Starting at straight wall area, place units centered over joint of units below. Backfill and compact behind each course before installing additional courses.

