



# City of Palm Springs

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## RETAINING WALL STANDARD PLAN

Maximum 5'4" wall heights  
2013

### Notes:

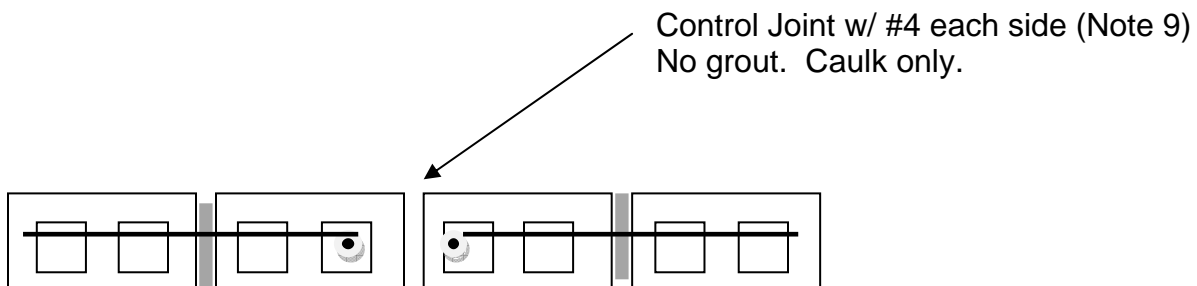
1. Blocks must be laid with joints staggered. No running bond.
2. Height of wall is measured from top of footing to top of wall.
3. Center reinforcing steel in the center of the masonry blocks.
4. Lap all rebar a minimum of 24 inches. Maintain 3 inch clear from soil.
5. Rebar hooks shall be a minimum of 6" for level backfill and 12" for sloped.
6. Mortar key: Provide 1.5" deep by 3.5" wide mortar key at top of footing.
7. Drains: Provide thru wall drainage at 6' intervals by leaving out the mortar in the vertical spaces between all blocks in the first course above the soil or head joint. Backfill with gravel 12" wide from top of footing to top of wall.
8. Materials: Concrete 2,500psi. Mortar 1,800psi Grout 2,000psi Rebar grade 60.
9. Provide 3/8" control joints for every 25' of running wall length.

### Disclaimer:

Alternate designs may be possible when provided with engineered analysis. Use of this standard design is at the user's risk and carry no implied or inferred guarantee.

### Inspections:

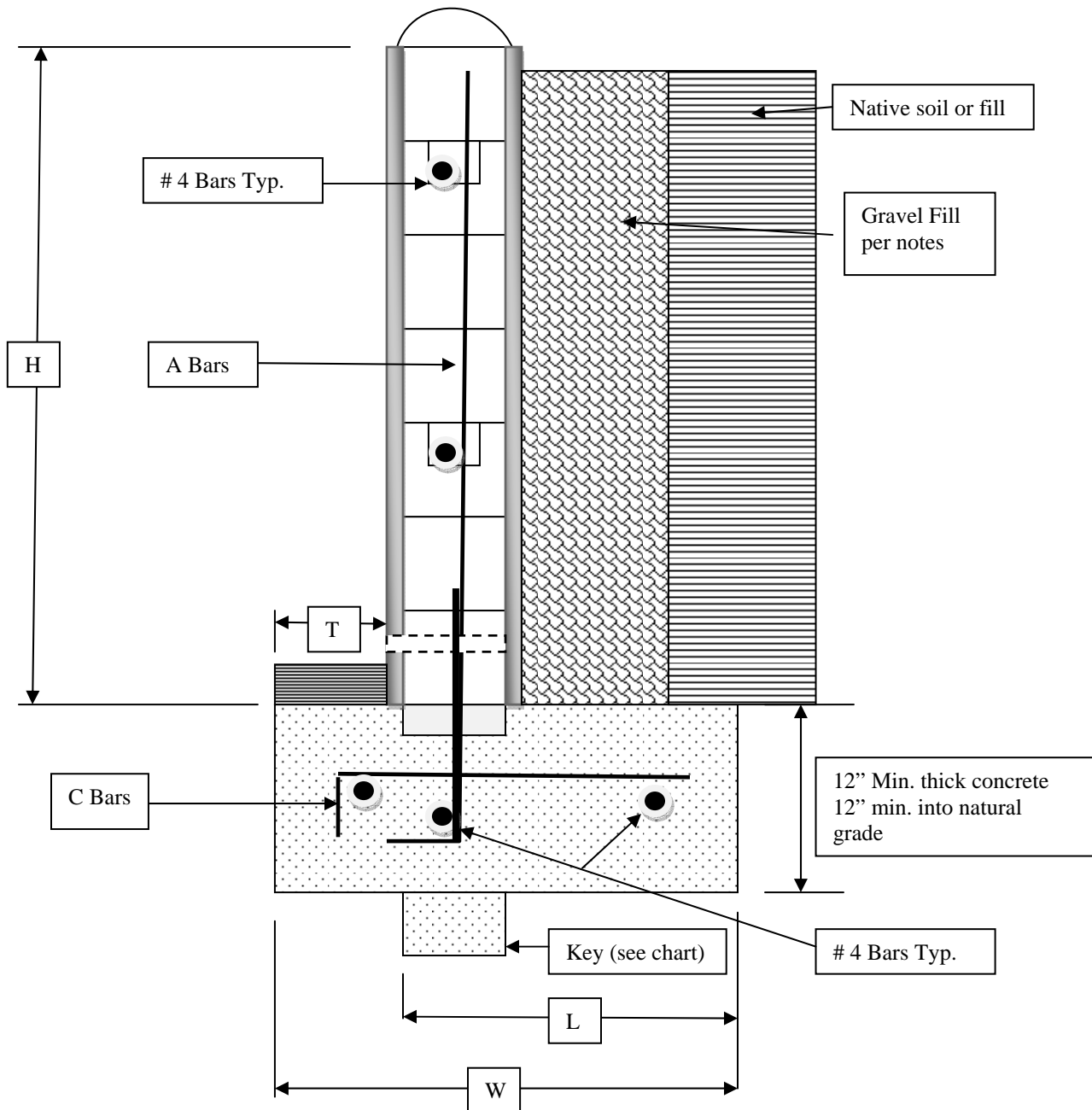
1. Footing: After trenching and placement of steel, but prior to pour.
2. Rebar: After blocks are set, and rebar is placed, but prior to grout.
3. Final: When all work is complete.



# Level Backfill Retaining Wall

Wall Height (H)	< 4'-0"	4'-0"	4'-8"	5'-4"
Wall Thickness	6	8	8	8
Heel Dimension (L)	None	None	1'-4"	1'-4"
Toe Dimension (T)	6"	6"	11"	1'-6"
Vertical Bars (A)	#4 @ 24"	#4 @ 24"	#4 @ 24"	#4 @ 16"
Footing Width (W)	1'-9"	2'-1"	2'-3"	2'-10"
Footing Bars (C)	None	None	None	#4 @ 24"
Key (W x D)	None	None	6" x 8"	8" x 12"
Block Thickness	6"	8"	8"	8"

Note: Standard Hook dimension – 6" minimum.



# Sloped Backfill Retaining Wall

2 to 1 slope

Wall Height (H)	< 4'-0"	4'-0"	4'-8"
Wall Thickness	6	8	8
Heel Dimension (L)	1'-0"	1'-0"	1'-4"
Toe Dimension (T)	1'-2"	1'-8"	1'-8"
Vertical Bars (A)	#4 @ 24"	#4 @ 24"	#4 @ 24"
Footing Width (W)	2'-2"	2'-8"	3'-0"
Key ( W x D)	6" x 6"	6" x 6"	8" x 12"
Block Thickness	6"	8"	8"

Note: Rebar hook dimension = 12"

