Concrete Foundation 4’6” Wall Height (Maximum)

- ½” x 10” anchor bolt 6’0” o.c., 2 bolts per plate, within 12” of the end of every plate with 3”x 3”x 1/4” plate washers @ all braced wall lines. Bolts shall extend at least 7” into concrete.

- Max. wall ht. 4’6”

- 4’0” maximum backfill

- 6” min.

- Sill plate (R317.1)

- (1) #4 horizontal bar in stem wall within 12” of the top of the wall. (R404.14)

- #4 vertical bar 48” o.c. standard hook when a cold joint exists between the wall and footing.

- Wall thickness Minimum 6”

- Foundation drain (R405)

- Reinforcement minimum 3” from bottom of footing.

- (1) #4 horizontal bar in footing

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<thead>
<tr>
<th>Story</th>
<th>1</th>
<th>2</th>
<th>3</th>
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</thead>
<tbody>
<tr>
<td>Thickness ( “T” )</td>
<td>6”</td>
<td>6”</td>
<td>8 ½”</td>
</tr>
<tr>
<td>Width (“W”)</td>
<td>12”</td>
<td>15”</td>
<td>23”</td>
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Backfill shall not be placed against the wall until the wall has sufficient strength and has been anchored to the foundation at all points a minimum of 4 inches where masonry veneer is used and a minimum of 6 inches elsewhere. (R404.1.7). For purposes of determining wall height the concrete wall is measured from the top of the footing to the top of the concrete wall. In basements the wall height is measured from the top of the slab to the top of the concrete wall.

Surface drainage shall be diverted to an approved point of collection so as to not create a hazard. Lots shall be graded so as to drain surface water away from foundation walls. The grade away from foundation walls shall fall a minimum of 6 in. within the first 10 ft. Exception: Where lot lines, walls, slopes or other physical barriers prohibit 6 in. of fall within 10 ft. drains or swales shall be provided to ensure drainage away from the structure. (R401.3)