**General Notes:**

1. Concrete - 2500 p.s.i. Min. @ 28 days.
2. Reinf. Steel - Grade 40. $fs=20,000$ p.s.i.
3. Reinf. Steel Laps - Min. 1'-8".
4. Concrete Masonry Units with type "M" mortar $f'm=1500$ p.s.i.
5. Grout - 1 part cement (plastic cement not permitted) maximum one tenth of hydrated lime or lime putty, 2¼ to 3 parts sand, 2 parts pea gravel.
6. Mortar type "M" or "S" - 1 part cement, ¼ part hydrated lime or lime putty, sand 2⅓ - 3 times the sum of cement and lime.
7. Soil - Minimum. 1000 p.s.f. bearing pressure.
8. Backfill - sand or gravel soil.
9. All workmanship and materials to conform with the CALIFORNIA BUILDING CODE.
10. No surcharge on wall. Consult a professional Civil or Structural Engineer for design of retaining wall having:
   a) a height greater than 4 feet and/or
   b) any surcharge. (Vehicle loading, adjacent footings, etc.)
11. Compaction report is not required for the backfill behind the wall only.

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### DETACHED RETAINING WALL - LEVEL GRADE

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<th>H</th>
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<th>&quot;X&quot; BARS</th>
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<tbody>
<tr>
<td>2'-0&quot;</td>
<td>1'-6&quot;</td>
<td>6&quot;</td>
<td>#3 @ 48&quot; O.C.</td>
<td>6&quot;</td>
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<tr>
<td>3'-0&quot;</td>
<td>2'-0&quot;</td>
<td>6&quot;</td>
<td>#3 @ 24&quot; O.C.</td>
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<tr>
<td>4'-0&quot;</td>
<td>3'-0&quot;</td>
<td>8&quot;</td>
<td>#4 @ 24&quot; O.C.</td>
<td>12&quot;</td>
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</tbody>
</table>
General Notes:
1. Concrete - 2500 p.s.i. Min. @ 28 days.
2. Reinf. Steel - Grade 40. $fs=20,000$ p.s.i.
3. Reinf. Steel Laps - Min. 1'-8".
4. Concrete Masonry Units with type "M" mortar $f'm=1500$ p.s.i.
5. Grout - 1 part cement (plastic cement not permitted) maximum one tenth of hydrated lime or lime putty, $\frac{2}{3}$ to 3 parts sand, 2 parts pea gravel.
6. Mortar type "M" or "S" - 1 part cement, $\frac{1}{4}$ part hydrated lime or lime putty, sand $\frac{2}{3}$ - 3 times the sum of cement and lime.
7. Soil - MINIMUM 1000 p.s.f. bearing pressure.
8. Backfill - sand or gravel soil.
9. All workmanship and materials to conform with the CALIFORNIA BUILDING CODE.
10. No surcharge on wall. Consult a professional Civil or Structural Engineer for design of retaining wall having:
   a) a height greater than 2 feet
   and/or
   b) any surcharge. (Vehicle loading, adjacent footings, etc.)
11. Compaction report is not required for the backfill behind the wall only.