RETAINING WALL

FOOTING WIDTH AND REINFORCING STEEL TABLE

<table>
<thead>
<tr>
<th>&quot;H&quot;</th>
<th>&quot;E&quot;</th>
<th>&quot;A&quot; BARS</th>
</tr>
</thead>
<tbody>
<tr>
<td>3'0&quot;</td>
<td>1'10&quot;</td>
<td>#3 at 24&quot; o.c.</td>
</tr>
<tr>
<td>4'0&quot;</td>
<td>2'4&quot;</td>
<td>#3 at 16&quot; o.c.</td>
</tr>
<tr>
<td>5'0&quot;</td>
<td>2'10&quot;</td>
<td>#4 at 16&quot; o.c.</td>
</tr>
<tr>
<td>6'0&quot;</td>
<td>3'6&quot;</td>
<td>#4 at 8&quot; o.c.</td>
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</tbody>
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DESIGN CRITERIA:

LATERAL SOIL PRESSURE = 30 p.s.f.
DESIGN BEARING VALUE = 1,000 p.s.f.
WALL DESIGNED FOR ZERO SURCHARGE
CONDITION WITHIN DISTANCE EQUAL TO HEIGHT OF WALL.

CONSTRUCTION NOTES:

1. CONCRETE TO BE MINIMUM GRADE C.
   1:2 1/2: 3 1/2 MIX - CEMENT TO SAND TO COARSE AGGREGATE 7 1/2 GAL. WATER/SACK, F'c = 2,000 p.s.f.
2. ALL FOOTING CONCRETE TO BE PLACED AGAINST UNDISTURBED EARTH.
3. BACK FILLING OF WALL MAY NOT BE COMPLETED FOR 7 DAYS AFTER GRouting.
4. GROUT: 1 PART PORTLAND CEMENT AND 3 PARTS SAND, TO WHICH MAY BE ADDED NOT MORE THAN 1/10 LIME. PEAGRAVEL MAY BE USED IN QUANTITIES NOT EXCEEDING 2 PARTS PER VOLUME OF CEMENT USED.
5. MASONRY UNITS SHALL BE GRADE N UNITS CONFORMING TO THE ASTM C90-86 SPECS.
6. MORTAR SHALL BE MIXED IN A RATIO OF 1 PART CEMENT, 1/4 PART LIME PUTTY AND 3 1/2 PARTS SAND.
8. REINFORCING STEEL SHALL CONFORM TO ASTM SPECIFICATION A615.
8. ALL CELLS TO BE GRouted.

CITY OF TORRANCE
DEPARTMENT OF BUILDING AND SAFETY

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