NOTES TO DESIGNER

1. THE USE OF THIS STANDARD PLAN IS LIMITED TO WALLS OF DESIGN H OF 6 FEET OR LESS.
2. SPECIAL FOOTING DESIGN IS REQUIRED WHERE FOUNDATION MATERIAL IS INCAPABLE OF SUPPORTING TOE PRESSURE LOADS LISTED IN TABLE.
3. THE MAXIMUM TOE PRESSURE LOAD SHALL NOT EXCEED THAT ALLOWED BY THE CITY OF LOS ANGELES BUILDING CODE FOR THE TYPE OF FOUNDATION MATERIAL EXCEPT AS PROVIDED FOR BY A SPECIAL FOUNDATION INVESTIGATION.
4. THE TYPE OF FOUNDATION MATERIAL SHALL BE NOTED ON THE PLANS.
5. THE MAXIMUM HEIGHT OF FOOTING STEPS SHALL BE LIMITED TO ONE-THIRD (1/3) THE HEIGHT OF THE SHORTER ADJACENT WALL SECTION. THE LOCATION OF FOOTING STEPS SHALL BE SHOWN IN THE PLANS.
6. WALL FOOTINGS SHALL BE LEVEL BETWEEN FOOTING STEPS.
7. A BARRICADE FOR THE PROTECTION OF PEDESTRIANS SHALL BE SHOWN ON THE PLANS, WHENEVER THE WALL SUPPORTS A PEDESTRIAN WALKWAY WHICH IS MORE THAN THREE FEET ABOVE THE ADJACENT GROUND.
8. WHERE VEHICULAR TRAFFIC IS ADJACENT TO THE TOP OF WALL, GUARD RAILS SHALL BE SHOWN ON THE PLANS AND SHALL BE SET BACK AT LEAST TWO FEET FROM THE FACE OF THE WALL.
9. THE CURB OUTLET DRAIN SHALL BE SPECIFIED ON THE PLANS WHENEVER THE WEEPERS WOULD OTHERWISE DRAIN ON A PEDESTRIAN WALK. SPACING SHOULD NOT EXCEED 24 FEET ON CENTERS.

DESIGN DATA

STRESSES

<table>
<thead>
<tr>
<th></th>
<th>CONCRETE</th>
<th>CONCRETE BLOCK MASONRY</th>
</tr>
</thead>
<tbody>
<tr>
<td>$f_2 = 20,000$ psi</td>
<td>$f_2 = 20,000$ psi</td>
<td></td>
</tr>
<tr>
<td>$f_9 = 1,200$ psi</td>
<td>$f_m = 400$ psi</td>
<td></td>
</tr>
<tr>
<td>$n = 10$</td>
<td>$n = 25$</td>
<td></td>
</tr>
</tbody>
</table>

LOADINGS

THE WALLS ARE DESIGNED TO RESIST THE FORCES CAUSED BY TWO CONDITIONS OF LOADING:

CONDITION 1: WALLS SUPPORTING PRIVATE PROPERTY.

- EARTH WT = 100 pcf
- E.F.P. = 30 pcf FOR LEVEL SURCHARGE
- 43 pcf FOR 2:1 SURCHARGE
- 55 pcf FOR 1:1 SURCHARGE

A VERTICAL COMPONENT OF ONE-THIRD THE HORIZONTAL FORCE IS ASSUMED TO ACT AT THE PLANE OF APPLICATION OF THE HORIZONTAL FORCE.

CONDITION 2: WALLS SUPPORTING PUBLIC PROPERTY.

- EARTH WT = 120 pcf
- E.F.P. = 36 pcf + 2 FEET SURCHARGE

A VERTICAL COMPONENT OF ONE-FOURTH THE HORIZONTAL FORCE IS ASSUMED TO ACT AT THE PLANE OF APPLICATION OF THE HORIZONTAL FORCE.

FOOTING RESULTANT

THE RESULTANT OF ALL VERTICAL AND LATERAL FORCES PASSES THROUGH THE MIDDLE ONE-THIRD OF THE FOOTING.