### TABLE OF REINFORCING STEEL DIMENSIONS AND DATA

<table>
<thead>
<tr>
<th>DESIGN W</th>
<th>6'</th>
<th>8'</th>
<th>10'</th>
<th>12'</th>
<th>14'</th>
<th>16'</th>
<th>18'</th>
<th>20'</th>
<th>22'</th>
<th>24'</th>
<th>26'</th>
<th>28'</th>
<th>30'</th>
<th>32'</th>
</tr>
</thead>
<tbody>
<tr>
<td>B</td>
<td>2' - 3&quot;</td>
<td>2' - 3&quot;</td>
<td>3' - 0</td>
<td>3' - 3&quot;</td>
<td>3&quot; - 0</td>
<td>3&quot; - 3&quot;</td>
<td>3&quot; - 6&quot;</td>
<td>3&quot; - 9&quot;</td>
<td>4&quot; - 0</td>
<td>4&quot; - 3&quot;</td>
<td>4&quot; - 6&quot;</td>
<td>4&quot; - 9&quot;</td>
<td>5' - 0&quot;</td>
<td>5' - 3&quot;</td>
</tr>
<tr>
<td>C</td>
<td>2' - 3&quot;</td>
<td>2' - 3&quot;</td>
<td>3' - 0</td>
<td>3' - 3&quot;</td>
<td>3&quot; - 0</td>
<td>3&quot; - 3&quot;</td>
<td>3&quot; - 6&quot;</td>
<td>3&quot; - 9&quot;</td>
<td>4&quot; - 0</td>
<td>4&quot; - 3&quot;</td>
<td>4&quot; - 6&quot;</td>
<td>4&quot; - 9&quot;</td>
<td>5' - 0&quot;</td>
<td>5' - 3&quot;</td>
</tr>
<tr>
<td>D</td>
<td>5' - 0&quot;</td>
<td>5' - 3&quot;</td>
<td>6' - 0&quot;</td>
<td>6' - 3&quot;</td>
<td>6&quot; - 0&quot;</td>
<td>6&quot; - 3&quot;</td>
<td>6&quot; - 6&quot;</td>
<td>6&quot; - 9&quot;</td>
<td>7' - 0&quot;</td>
<td>7' - 3&quot;</td>
<td>7' - 6&quot;</td>
<td>7' - 9&quot;</td>
<td>8' - 0&quot;</td>
<td>8' - 3&quot;</td>
</tr>
</tbody>
</table>
| E | 1' - 6" | 1' - 9" | 1' - 0" | 1' - 3" | 1' - 6" | 1' - 9" | 2' - 0" | 2' - 3" | 2' - 6" | 2' - 9" | 3' - 0" | 3' - 3" | 3' - 6" | 3' - 9" | 4' - 0"
| F | 5'-0" | 5'-0" | 5'-0" | 5'-0" | 5'-0" | 5'-0" | 5'-0" | 5'-0" | 5'-0" | 5'-0" | 5'-0" | 5'-0" | 5'-0" | 5'-0"

**NOTES:**
1. All piles are class 90 concrete piles.
2. Pile batter shown as 1:1.
3. Minimum distance between center of pile and edge of footing is 1'-6".
4. Lateral resistance of each pile is 50 kips for strength limit states.
5. Pile group reduction factors are not applied, unless soil passive resistance on footing is included.
6. Maximum spacing between piles is shown in the table. Reduce to suit the length of footing.
7. For sound wall and retaining wall architectural finish or texture, see details elsewhere in Project Plan.
8. For details not shown and drainage notes, see "B.
9. Footing cover, 1'-6" minimum.
10. For sound wall and reinforcing see "SOUND WALL - MASONRY BLOCK ON RETAINING WALL" sheet.

### DESIGN DATA

- **W5**: 33 psf on sound wall
- **L5**: Varies surcharge on level ground surface

**EDE:1**

- **Superseded by Design Specifications, 4th edition with California Amendments**

**Soils:**

- **Kp** = 0.5

**Reinforced Concrete:**

- **f'c** = 3000 psi, **fy** = 60,000 psi

**Load Combinations and Limit States:**

- **Service 1**: 0.0, **Service 11**: 0.0

**Strength:**

- **Base Load (50%):** 0.50f'c + 0.50fy + 1.75S
- **Design Load:** 0.50f'c + 0.50fy + 1.75S + 0.25f'c
- **Strength V:** 0.0001f'c + 0.25fy + 0.0001fy

### DETAILS

**DETAIL A**

**ELEVATION**

**NOTES:**

- "#5" and "#6" above @ bars indicate distance from top of footing to upper end of @ bars, see table.
- "#5" @ bar bundle.

**BARS**

- #5 @ 12
- #6 @ 12
- #7 @ 12
- #8 @ 12
- #9 @ 9
- #10 @ 6
- #11 @ 9
- #12 @ 6
- #13 @ 6
- #14 @ 9
- #15 @ 6
- #16 @ 6
- #17 @ 6
- #18 @ 6
- #19 @ 6
- #20 @ 6

**NOTE:**

- Total # bars and @ bars shown are total number of top and bottom bars combined.

**LEGEND:**

- #12 bar bundle.