

| DIST | COUNTY | ROUTE | POST MILES TOTAL PROJECT | SHEET No. | TOTAL SHEETS |
|------|--------|-------|--------------------------|-----------|--------------|
|      |        |       |                          |           |              |

| TABLE OF REINFORCING STEEL DIMENSIONS AND DATA |          |          |          |          |           |           |           |           |           |           |
|--|----------|----------|----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|
| DESIGN H                                       | 6'       | 8'       | 10'      | 12'      | 14'       | 16'       | 18'       | 20'       | 22'       | 24'       |
| W  | 9'-0"    | 9'-0"    | 9'-6"    | 10'-3"   | 11'-3"    | 12'-9"    | 14'-0"    | 15'-9"    | 17'-3"    | 18'-9"    |
| F SPREAD FOOTING                               | 1'-3"    | 1'-3"    | 1'-3"    | 1'-3"    | 1'-6"     | 1'-9"     | 1'-9"     | 2'-3"     | 2'-6"     | 2'-6"     |
| BATTER   | 0        | 1/2:12   | 1/2:12   | 1/2:12   | 1/2:12    | 1/2:12    | 5/8:12    | 5/8:12    | 5/8:12    | 3/4:12    |
| ⊙ BARS   |          |          |          |          |           | #7 @ 15   | #7 @ 12   | #7 @ 12   | #8 @ 12   | #6 @ 6    |
| ⊕ BARS   | #8 @ 12  | #8 @ 12  | #7 @ 6   | #7 @ 6   | #7 @ 6    | #9 @ 7.5  | #9 @ 6    | #10 @ 6   | #10 @ 6   | #8 @ 6    |
| ha   |          |          | 5'-0"    | 6'-0"    | 7'-0"     | 7'-0"     | 6'-0"     | 7'-0"     | 6'-9"     | 7'-6"     |
| hb   |          |          |          |          |           | 11'-6"    | 12'-0"    | 13'-3"    | 16'-0"    | 15'-6"    |
| ⊙ BARS   | #7 @ 12  | #8 @ 12  | #7 @ 6   | #9 @ 6   | #9 @ 6    | #11 @ 7.5 | #8 @ 6    | #9 @ 6    | #9 @ 6    | #10 @ 6   |
| hz   |          |          | 3'-6"    | 4'-0"    | 4'-9"     | 7'-0"     | 5'-9"     | 6'-9"     | 7'-6"     | 9'-0"     |
| SER I: B'(ft), q <sub>0</sub> (ksf)            | 7.5, 1.5 | 7.1, 1.9 | 7.2, 2.2 | 7.6, 2.5 | 8.3, 2.8  | 9.6, 3.0  | 10.6, 3.3 | 12.1, 3.6 | 13.3, 3.9 | 14.6, 4.1 |
| STR, Ia: B'(ft), q <sub>0</sub> (ksf)          | 7.9, 2.9 | 7.4, 3.3 | 7.4, 3.7 | 7.8, 4.1 | 8.3, 4.5  | 9.5, 4.8  | 10.5, 5.0 | 11.9, 5.6 | 13.1, 6.0 | 14.3, 6.4 |
| STR, Ib: B'(ft), q <sub>0</sub> (ksf)          | 6.0, 2.0 | 5.5, 2.5 | 5.6, 2.9 | 5.9, 3.3 | 6.4, 3.7  | 7.6, 3.9  | 8.7, 4.1  | 9.9, 4.5  | 11.0, 4.9 | 12.1, 5.2 |
| STR, IIIa: B'(ft), q <sub>0</sub> (ksf)        | 6.0, 2.7 | 6.0, 3.0 | 6.4, 3.4 | 7.0, 3.7 | 7.8, 4.1  | 9.1, 4.4  | 10.2, 4.6 | 11.7, 5.1 | 12.9, 5.4 | 14.2, 5.7 |
| STR, IIIb: B'(ft), q <sub>0</sub> (ksf)        | 5.3, 2.5 | 5.2, 2.8 | 5.5, 3.1 | 6.0, 3.3 | 6.7, 3.7  | 8.0, 3.9  | 8.9, 4.0  | 10.4, 4.4 | 11.5, 4.7 | 12.7, 5.0 |
| STR, Va: B'(ft), q <sub>0</sub> (ksf)          | 7.5, 2.8 | 7.1, 3.2 | 7.2, 3.5 | 7.6, 3.9 | 8.2, 4.3  | 9.4, 4.6  | 10.4, 4.9 | 11.8, 5.3 | 13.0, 5.8 | 14.3, 6.1 |
| STR, Vb: B'(ft), q <sub>0</sub> (ksf)          | 5.7, 2.2 | 5.3, 2.6 | 5.4, 3.0 | 5.8, 3.4 | 6.4, 3.8  | 7.7, 3.9  | 8.7, 4.0  | 10.0, 4.5 | 11.1, 4.9 | 12.2, 5.1 |
| Ext I: B'(ft), q <sub>0</sub> (ksf)            | 4.0, 3.4 | 3.0, 4.7 | 2.5, 6.5 | 2.1, 9.2 | 1.8, 13.3 | 2.1, 14.4 | 2.3, 16.9 | 2.6, 17.2 | 2.9, 18.4 | 3.3, 19.3 |

LEGEND:

- SER: service limit state
- STR: strength limit state
- EXT: extreme event limit state
- B': effective footing width (ft)
- q<sub>0</sub>: net bearing stress (ksf)
- q<sub>0</sub>: gross uniform bearing stress (ksf)
- ⊕ : 2 bar bundle

REGISTERED CIVIL ENGINEER DATE \_\_\_\_\_

PLANS APPROVAL DATE \_\_\_\_\_

No. \_\_\_\_\_

Exp. \_\_\_\_\_

CIVIL

STATE OF CALIFORNIA

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*The Registered Civil Engineer for the project is responsible for the selection and proper application of the component design and any modifications shown.*