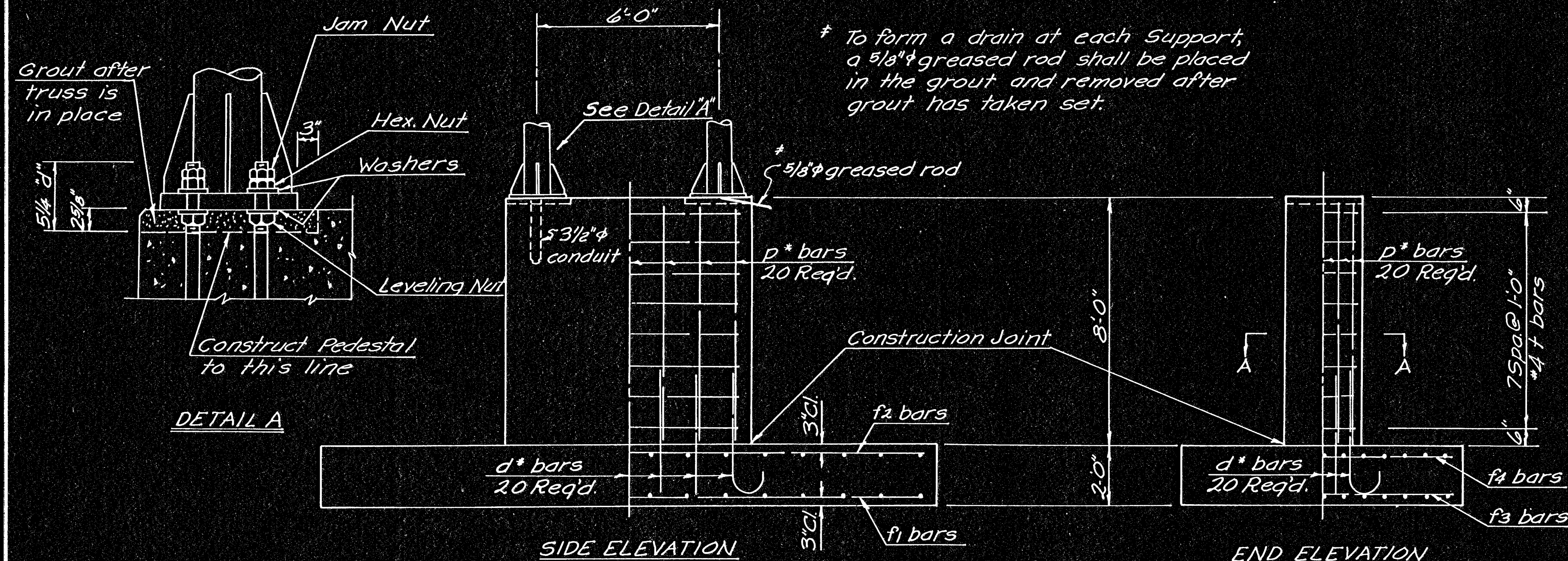
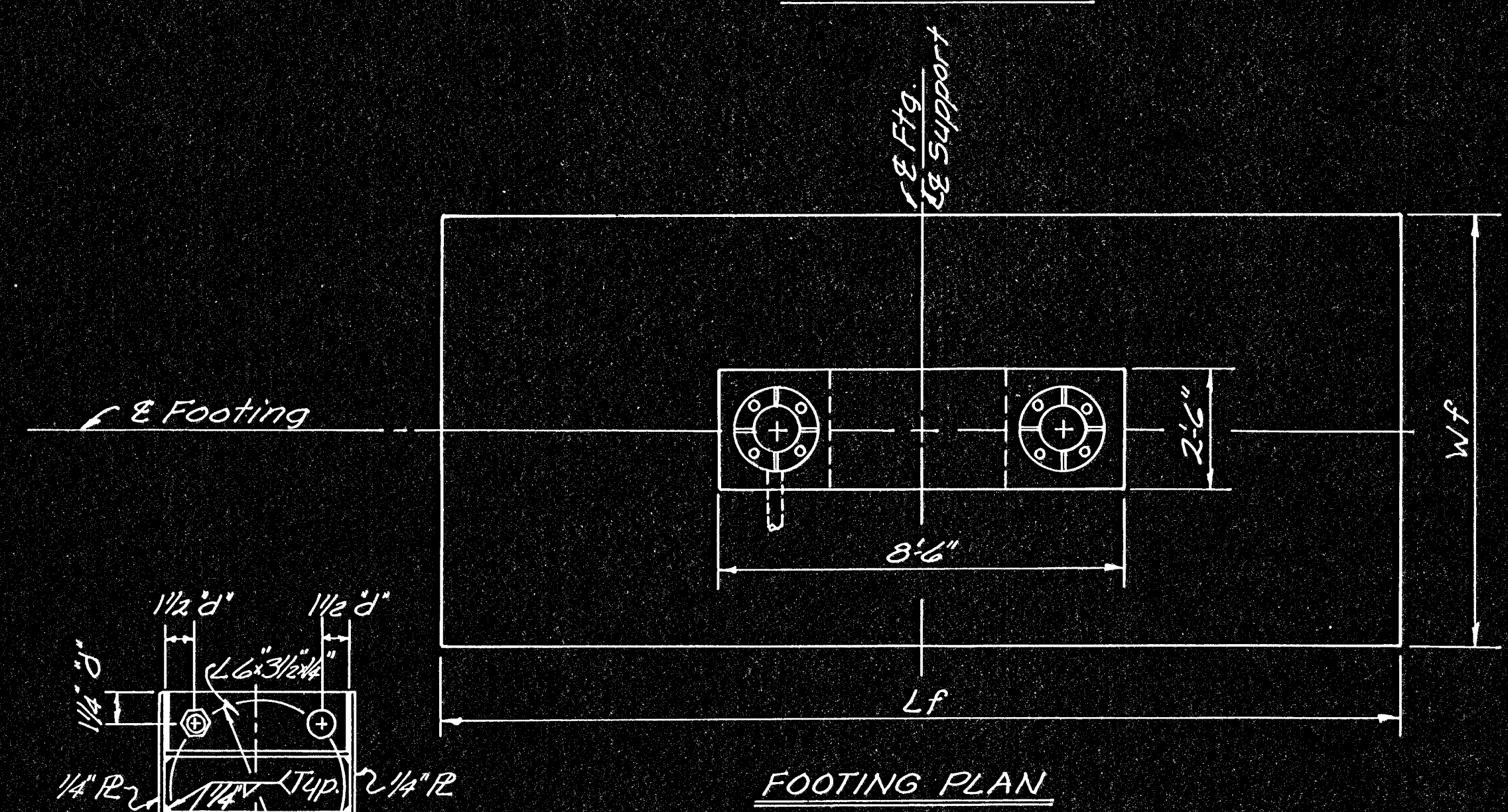


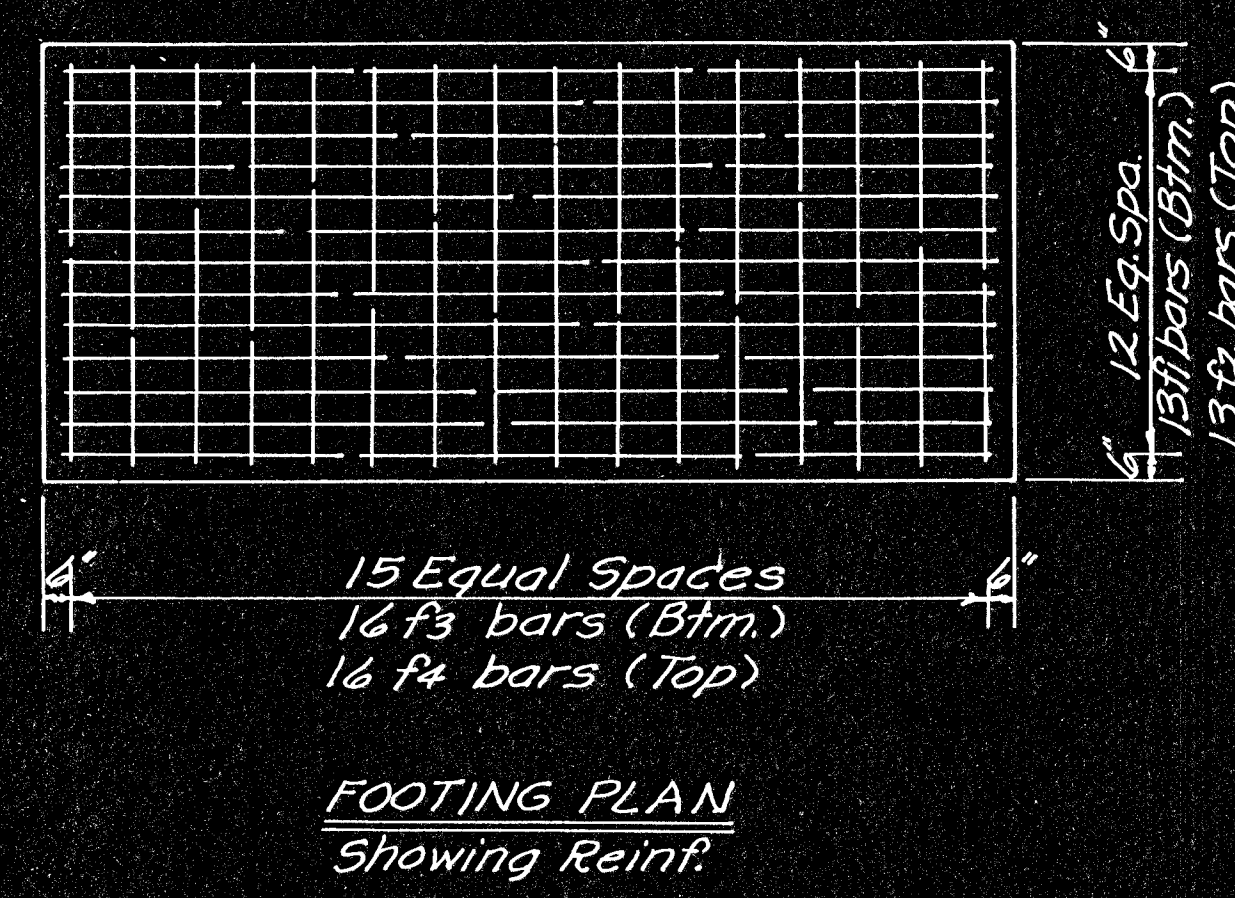


SIDE ELEVATION

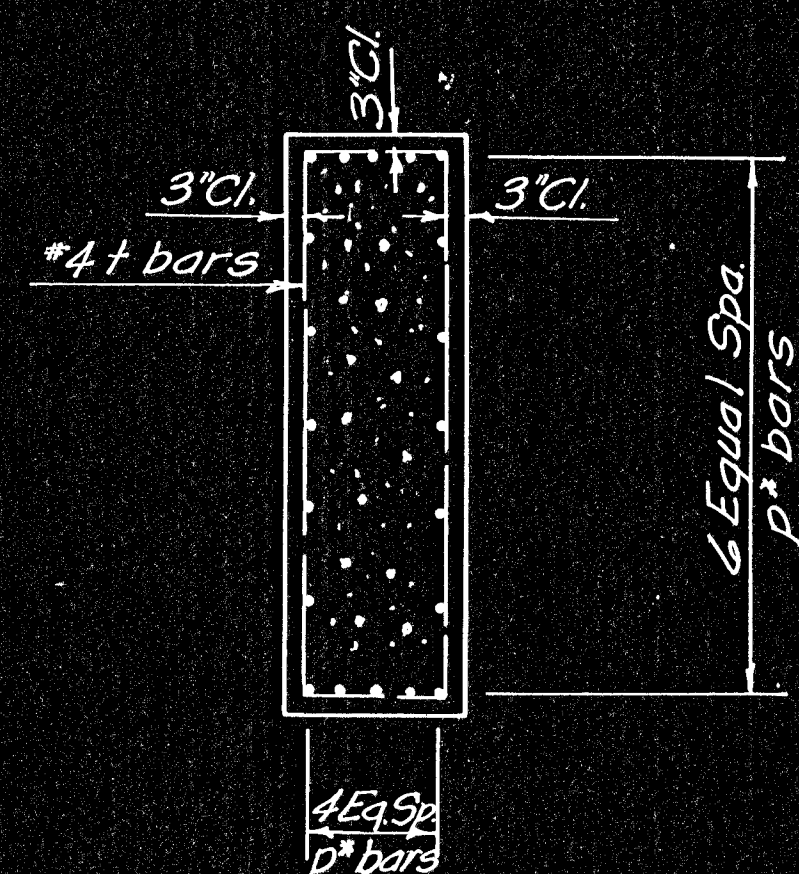
END ELEVATION



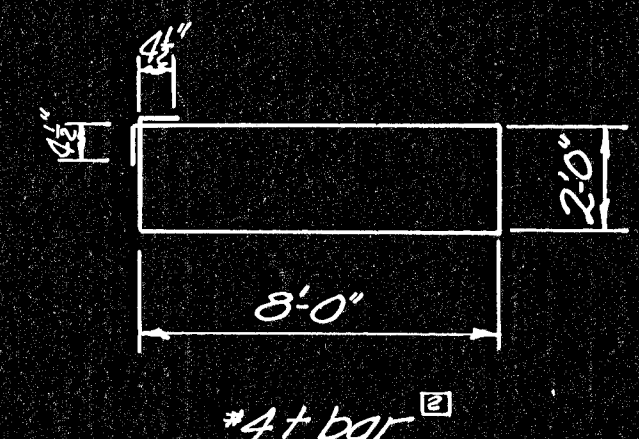
FOOTING PLAN



FOOTING PLAN Showing Reinf.



SECTION A-A



d\* bar

BENDING DIAGRAMS  
All dimensions are out to out

Table for d bars

| Size | A     | U         | L      |
|------|-------|-----------|--------|
| #6   | 8"    | 6"        | 3'-9"  |
| #7   | 10"   | 7"        | 4'-0"  |
| #8   | 11"   | 8"        | 4'-3"  |
| #9   | 1'-3" | 1'-1/4"   | 4'-6"  |
| #10  | 1'-5" | 1'-0 3/4" | 4'-11" |
| #11  | 1'-7" | 1'-2 1/4" | 5'-3"  |

**LOADING:** A.A.S.H.T.O. Standard Specifications for Structural Supports for Highway Signs, Luminaires and Traffic Signals, 1975 Ed.

**CONCRETE:** Use Class A Concrete throughout. Bevel all exposed edges with a 3/4" triangular moulding.

**UNIT STRESSES:**  $f_c = 1,200$  p.s.i.;  $f'_c = 3,000$  p.s.i.;  $f_s = 20,000$  p.s.i.

**REINFORCING:** All dimensions relative to reinforcing steel are to center line of bar unless otherwise noted.

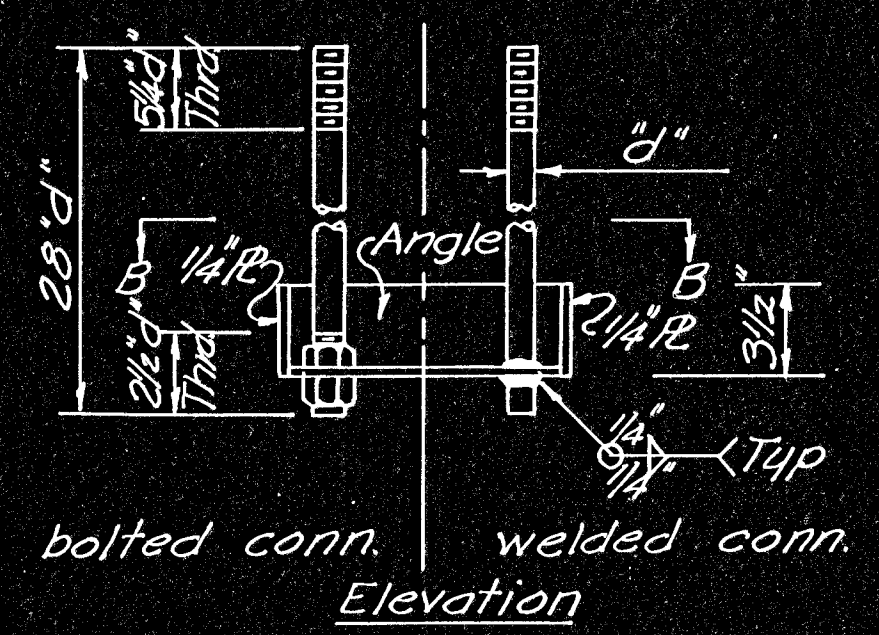
**EXCAVATION:** When rock or hard shale is encountered, all excavation below the top of this material shall be to neat lines. See excavation details.

**BACKFILL:** Backfill material shall be placed in one foot lifts and each lift shall be thoroughly compacted before the next lift is placed.

**ANCHOR BOLT ASSEMBLY:** Anchor bolts shall conform to K.S.H.C. Standard Specifications Sub-Section 1006.15 and shall be Type II. Angles and plates shall conform to ASTM A36. Welding shall conform to K.S.H.C. Standard Specifications and the latest edition of the American Welding Society Specifications.

TYPICAL EXCAVATION DETAILS

GENERAL NOTES



ANCHOR BOLT ASSEMBLY DETAIL

| FOOTING TYPE | DIMENSIONS |        | BILL OF REINFORCING |            |            |            |            |            |            |            |            |            |            |            | SUMMARY OF QUANTITIES        |                          |                   |
|--------------|------------|--------|---------------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------------------------|--------------------------|-------------------|
|              | Lf         | Wf     | 20 d* bars          | 13 f1 bars | 13 f2 bars | 16 f3 bars | 16 f4 bars | 20 p* bars | 13 f1 bars | 13 f2 bars | 16 f3 bars | 16 f4 bars | 20 p* bars | 13 f1 bars | Class III Excavation Cu.Yds. | Class A Concrete Cu.Yds. | Reinf. Steel Lbs. |
| A            | 15'-0"     | 6'-9"  | #6 4'-5"            | #4 14'-6"  | #4 14'-6"  | #4 6'-3"   | #4 6'-3"   | #6 7'-9"   | #4 20'-9"  |            |            |            |            |            | 72                           | 13.8                     | 840               |
| B            | 16'-0"     | 7'-3"  | #6 4'-5"            | #4 15'-2"  | #4 15'-2"  | #4 6'-9"   | #4 6'-9"   | #6 7'-9"   | #4 20'-9"  |            |            |            |            |            | 79                           | 14.9                     | 890               |
| C            | 17'-0"     | 7'-9"  | #7 4'-10"           | #4 16'-6"  | #4 16'-6"  | #4 7'-3"   | #4 7'-3"   | #7 7'-9"   | #4 20'-9"  |            |            |            |            |            | 87                           | 16.1                     | 1065              |
| D            | 18'-0"     | 8'-0"  | #7 4'-10"           | #4 17'-6"  | #4 17'-6"  | #4 7'-6"   | #4 7'-6"   | #7 7'-9"   | #4 20'-9"  |            |            |            |            |            | 93                           | 17.0                     | 1090              |
| E            | 19'-0"     | 8'-6"  | #8 5'-2"            | #5 18'-6"  | #5 18'-6"  | #4 8'-0"   | #4 8'-0"   | #8 7'-9"   | #4 20'-9"  |            |            |            |            |            | 101                          | 18.3                     | 1470              |
| F            | 20'-0"     | 9'-0"  | #8 5'-2"            | #6 19'-6"  | #6 19'-6"  | #4 8'-6"   | #4 8'-6"   | #8 7'-9"   | #4 20'-9"  |            |            |            |            |            | 110                          | 19.6                     | 1743              |
| G            | 21'-0"     | 9'-6"  | #9 5'-9"            | #6 20'-6"  | #6 20'-6"  | #5 9'-0"   | #5 9'-0"   | #9 7'-9"   | #4 20'-9"  |            |            |            |            |            | 119                          | 21.1                     | 2130              |
| H            | 22'-0"     | 10'-0" | #9 5'-9"            | #7 21'-6"  | #7 21'-6"  | #5 9'-6"   | #5 9'-6"   | #9 7'-9"   | #4 20'-9"  |            |            |            |            |            | 128                          | 22.6                     | 2485              |
| I            | 23'-0"     | 10'-6" | #10 6'-4"           | #7 22'-6"  | #7 22'-6"  | #6 10'-0"  | #6 10'-0"  | #10 7'-9"  | #4 20'-9"  |            |            |            |            |            | 138                          | 24.2                     | 2998              |
| J            | 24'-0"     | 11'-0" | #11 6'-10"          | #8 23'-6"  | #8 23'-6"  | #6 10'-6"  | #6 10'-6"  | #11 7'-9"  | #4 20'-9"  |            |            |            |            |            | 148                          | 25.9                     | 3795              |

Note: Contractor may combine d & p bars into one bar.

See Construction Layout Sheet for Footing Type