

INSTRUCTIONS TO FABRICATOR

PROJECT PLANS SHOW:

1. Sign structure location.
2. Length of structure frame.
3. Panel size and locations on structure.
4. Walkway length for two post signs.
5. Post type and height to bottom of frame.
6. Base plate elevation.
7. Footing elevation or location of pile foundation.
8. Photoelectric unit location if required.

REFER TO THE FOLLOWING STANDARD PLANS FOR DETAILS NOT SHOWN ON PROJECT PLANS:

| Sheet No. | SHEET NAME |
|-----------|---|
| S1 | Overhead Signs-Truss, Instructions and Examples |
| S2 | Overhead Signs-Truss, Single Post Type, Post Types II to IX |
| S3 | Overhead Signs-Truss, Single Post Type, Base Plate and Anchorage Details |
| S4 | Overhead Signs-Truss, Single Post Type, Structural Frame Members Details No. 1 |
| S5 | Overhead Signs-Truss, Single Post Type, Structural Frame Members Details No. 2 |
| S6 | Overhead Signs-Truss, Gusset Plate Details |
| S8 | Overhead Signs-Truss, Single Post Type, Round Pedestal Pile Foundation |
| S9 | Overhead Signs-Truss, Two Post Type, Post Types I-S through VII-S |
| S10 | Overhead Signs-Truss, Two Post Type, Base Plate and Anchorage Details |
| S11 | Overhead Signs-Truss, Two Post Type, Structural Frame Members |
| S12 | Overhead Signs-Truss, Structural Frame Details |
| S13 | Overhead Signs-Truss, Frame Juncture Details |
| S15 | Overhead Signs-Truss, Two Post Type, Round Pedestal Pile Foundation |
| S16 | Overhead Signs, Walkway Details No. 1 |
| S17 | Overhead Signs, Walkway Details No. 2 |
| S17A | Overhead Signs, Walkway Details No. 3 |
| S18 | Overhead Signs, Walkway Safety Railing Details |
| S19 | Overhead Signs-Truss, Sign Mounting Details, Laminated Panel-Type A |
| S20 | Overhead Signs, Steel Frames, Removable Sign Panel Frames |
| S21 | Overhead Signs, Removable Sign Panel Frames, Mounting Details |
| S22 | Overhead Signs-Truss, Removable Sign Panel Frames, 9'-2" and 10'-0" Sign Panels |

WALKWAY BRACKETS:

Space all walkway brackets maintaining uniform spacing where possible. Maximum spacing shall not exceed 5'-6".

LIGHTING FIXTURE SUPPORTS:

Where distance from walkway bracket to end of sign panel exceeds 1'-4", extend lighting fixture supports to next walkway bracket. See Example No. 2.

WALKWAY AND SAFETY RAILING:

Walkway to be continuous for entire length of frame for single post signs. For two post signs, see Project Plans. Safety railing to protect entire walkway, but continuous for no more than 11'-0" in one unit.

GENERAL NOTES:

LOADING:

WIND LOADING:

Normal to face of sign: 40.3 psf on 100% Truss surface area (i.e. 100% panel coverage).
 Transverse to face of sign: 20% of normal force.

WALKWAY LOADING:

Dead load +500 LB concentrated live load.

UNIT STRESSES:

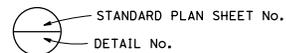
STRUCTURAL STEEL: $f_y = 36,000$ psi
 REINFORCED CONCRETE: $f_y = 60,000$ psi
 $f'_c = 3600$ psi
 FOOTING SOIL PRESSURE: 2.5 ksf (spread footing)

MINIMUM CLEARANCE

Vertical roadway clearance 18'-0" (bottom of walkway system)

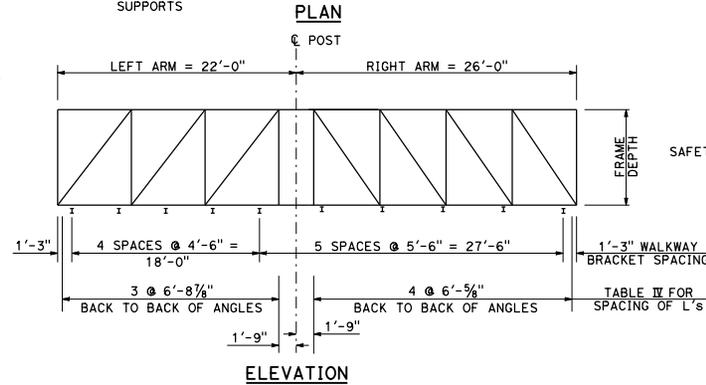
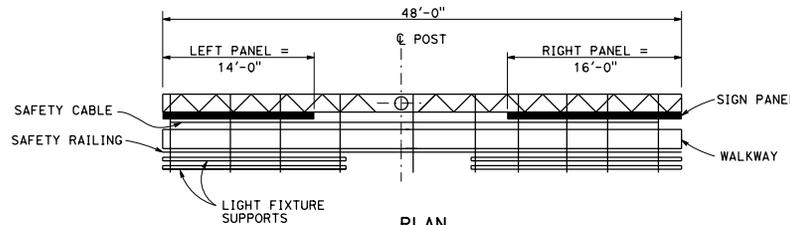
WELDING:

All welding continuous unless otherwise noted on the plans.



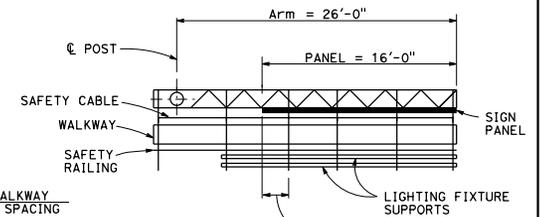
NOTES:

1. Signs are shown and dimensioned looking in the direction of traffic. Double faced signs are shown and dimensioned looking ahead along stationing.
2. Mandatory dimension limit.



UNBALANCED SINGLE POST TYPE

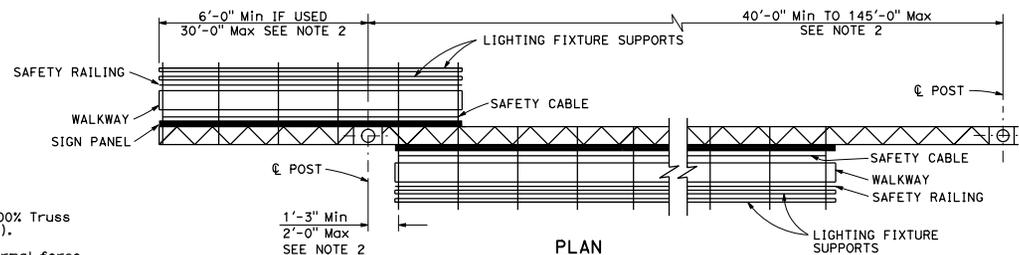
Example No. 1



CANTILEVER SINGLE POST TYPE

Example No. 2

WHERE SIGN PANEL EXTENDS 1'-4" BEYOND C WALKWAY BRACKET, EXTEND LIGHTING SUPPORTS TO NEXT BRACKET AS SHOWN. SEE NOTE 2



TWO POST TYPE WITH CANTILEVER (PART DOUBLE-FACED)

Example No. 3

STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION

OVERHEAD SIGNS-TRUSS INSTRUCTIONS AND EXAMPLES
 NO SCALE

S1

2015 STANDARD PLAN S1

| | | | | |
|------|--------|-------|--------------------------|--------------------|
| DIST | COUNTY | ROUTE | POST MILES TOTAL PROJECT | SHEET TOTAL SHEETS |
| | | | | |

REGISTERED CIVIL ENGINEER

October 30, 2015
 PLANS APPROVAL DATE

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

REGISTERED PROFESSIONAL ENGINEER
 Jeffrey B. Woody
 No. C41260
 Exp. 3-31-17
 CIVIL
 STATE OF CALIFORNIA