

**REMOVABLE FRAME  
GREATER THAN 20'-0"**

\* 9'-2" & 10'-0" sign panel frames will project above the topchord of the truss. In these cases the top clips shall be bolted to vertical frame members. See Standard Plan S22 for details.

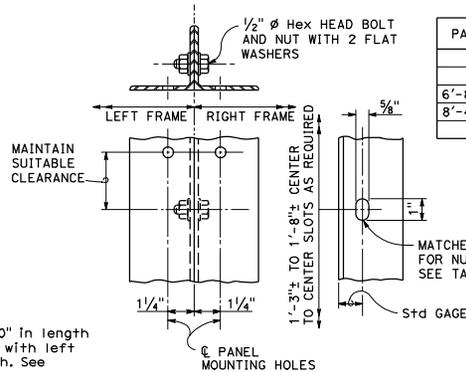
SIGN LENGTH	LEFT SECTION	RIGHT SECTION
22'-0"	12'-0"	10'-0"
24'-0"	12'-0"	12'-0"
26'-0"	12'-0"	14'-0"
28'-0"	16'-0"	12'-0"
30'-0"	16'-0"	14'-0"
32'-0"	16'-0"	16'-0"
34'-0"	16'-0"	18'-0"
36'-0"	20'-0"	16'-0"
38'-0"	20'-0"	18'-0"
40'-0"	20'-0"	20'-0"

**NOTES:**

Frames for signs greater than 20'-0" in length shall be fabricated in two sections with left section a multiple of 4'-0" in length. See table above.

Sections shall be hoisted into place individually and bolted together as per detail 11 prior to tightening of mounting clip bolts.

Bolting two sections together and hoisting simultaneously will not be permitted.



**DETAIL 11  
FRAME TO FRAME  
CONNECTION DETAILS**

PANEL DEPTH	No. OF SLOTS
4'-2"	2
5'-10"	3
6'-8" AND 7'-6"	4
8'-4" AND 9'-2"	5
10'-0"	6

**NOTES:**

Panel mounting holes not shown. Panel lengths available in 2'-0" increments.

MATCHED SLOTS IN, END L's. FOR NUMBER REQUIRED, SEE TABLE ABOVE

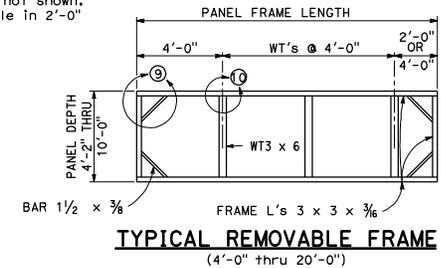
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET TOTAL SHEETS

Stanley P. Johnson  
REGISTERED CIVIL ENGINEER

May 20, 2011  
PLANS APPROVAL DATE

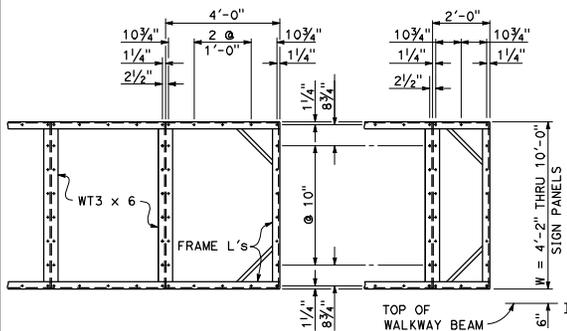
Stanley P. Johnson  
No. C51793  
Exp. 3-31-12  
CIVIL ENGINEER PROFESSIONAL SERVICES  
STATE OF CALIFORNIA

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**NOTES:**

1. Frames shall be all-welded construction.
2. Panel mounting holes shall be drilled by template. Sign panel may be considered as a template.
3. Drilled and tapped holes 1/4" may be used where interference due to welds or structural members is encountered.
4. WT3 x 6 shall be flush with faces of frame angles.
5. Mounting clip angles shall be located such as to allow the top and bottom frame angles of the removable sign panel to lie on a straight horizontal line.
6. Holes for mounting removable sign panel frame may be slotted 1" maximum parallel to the axis of the sign.
7. WT3 x 6 may be crimped at ends to join frame angles. Fillet weld all around.

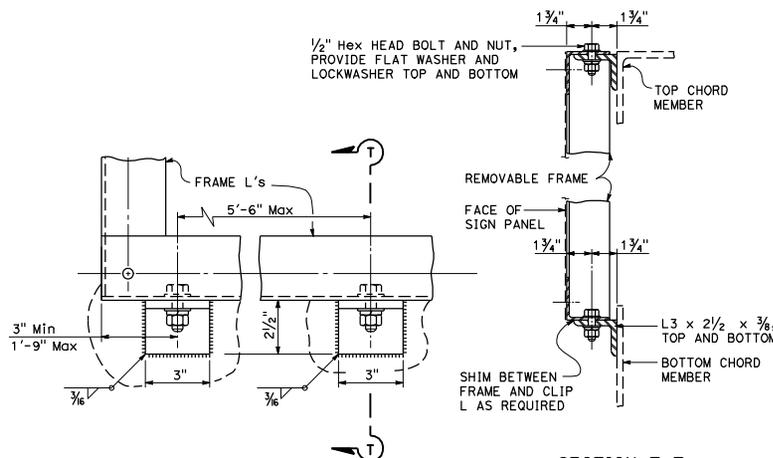


**TYPICAL 4'-0" PANEL      TYPICAL 2'-0" PANEL**

All holes 1/2" diameter maximum.

**MOUNTING HOLE SPACING  
SIGN PANEL & FRAME**

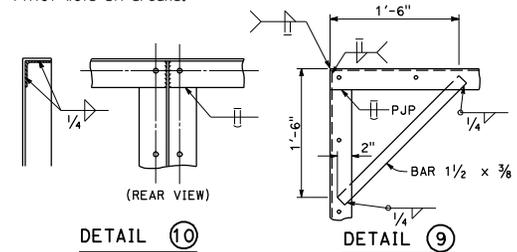
Hole spacing is for single sheet sign panels. For Overhead Formed Panels refer to "Removable Sign Panel Frames, Mounting Details" Sheet.



**FRAME MOUNTING DETAILS**

Details shown apply for sign panel frames ≤ 8'-4" deep. Mounting details for deeper panels shown on Standard Plan S22.

**SECTION T-T**



**TYPICAL FRAME JOINT DETAILS**

STATE OF CALIFORNIA  
DEPARTMENT OF TRANSPORTATION  
**OVERHEAD SIGNS  
STEEL FRAMES  
REMOVABLE SIGN PANEL FRAMES**

NO SCALE