CONTRACT CHANGE ORDER NO. 141
SHEET 4 OF 5

REQUESTS FOR INFORMATION NOT ADDRESSED IN THIS CCO REMAIN IN FORCE

MARK	DATE	DESCRIPTIONS	BY	CH'D	CCO#
		REVISIONS			
2	08/24/12	SIGN STRUCTURES	AE	JB	141
1	06/11/10	SIGN STRUCTURES	AE	JB	141

Caltrans Metric

DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET NO	TOTAL SHEETS
04	SF	80	13.2/13.9	34R2	1204

REGISTERED ENGINEER-CIVIL
12-6-04
PLANS APPROVAL DATE
PROFESSIONAL ENGINEER — A. L. ELY — No. 18880 — Exp. 6-30-11 — CIVIL — STATE OF CALIFORNIA

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T.Y. LIN / MOFFATT & NICHOL
825 BATTERY STREET
SAN FRANCISCO, CA 94111

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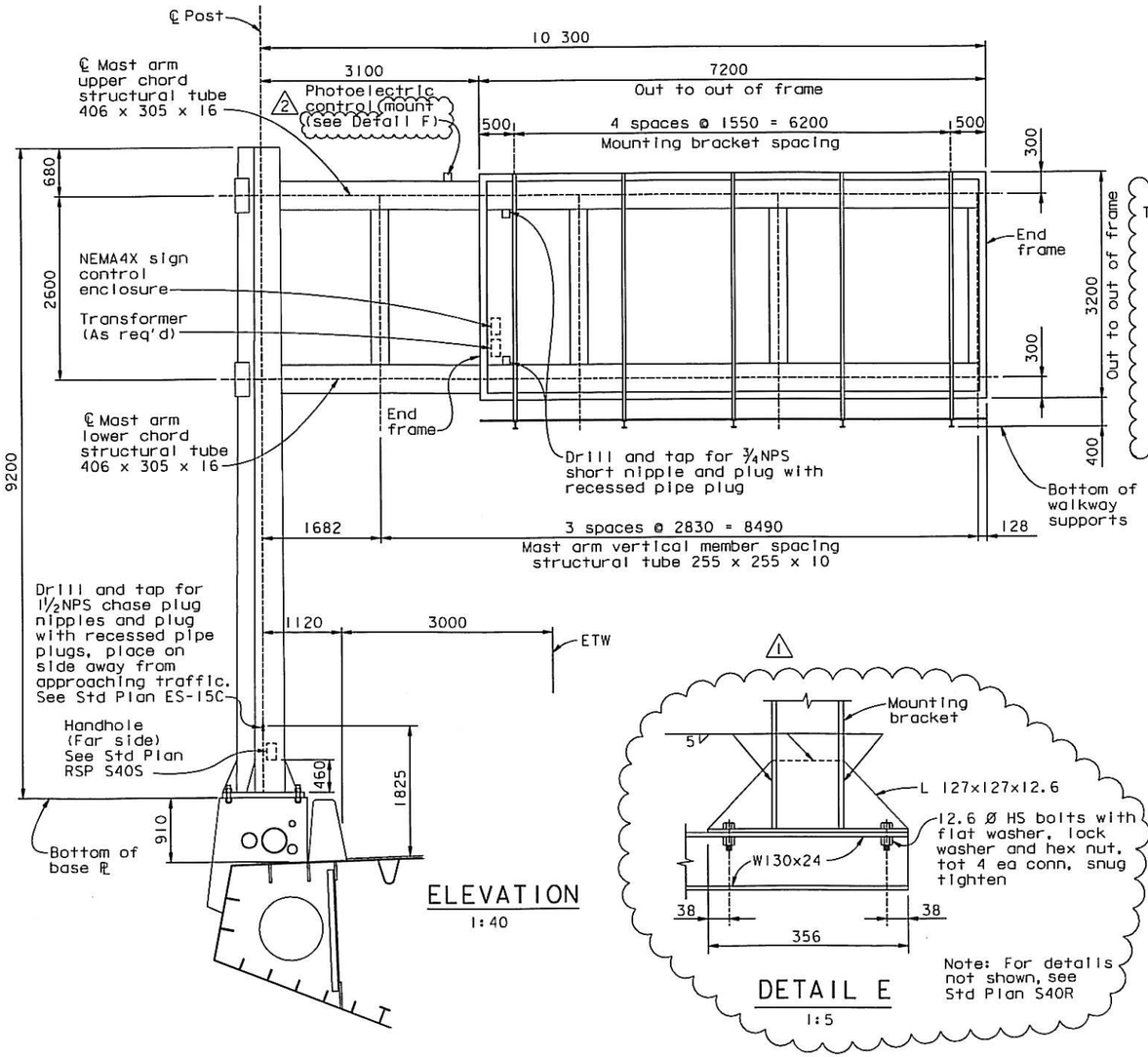
DATE	REVISED BY	DATE REVISED	CALCULATED/ DESIGNED BY	CHECKED BY
11/00	MD	11/00	JBN	TYL

DESIGN OVERSIGHT — BOB ZANDIPOUR

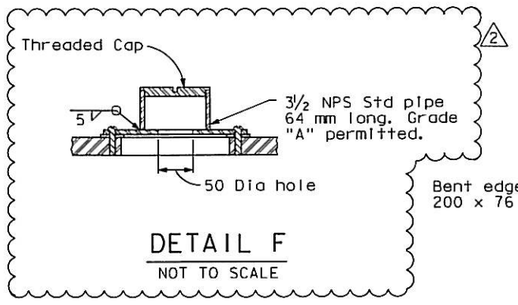
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans

SAS STRUCTURE

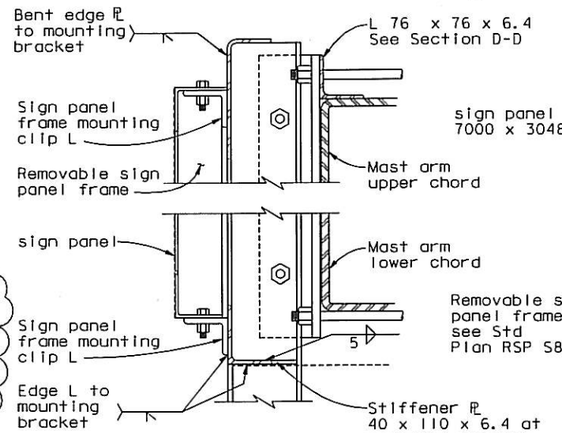


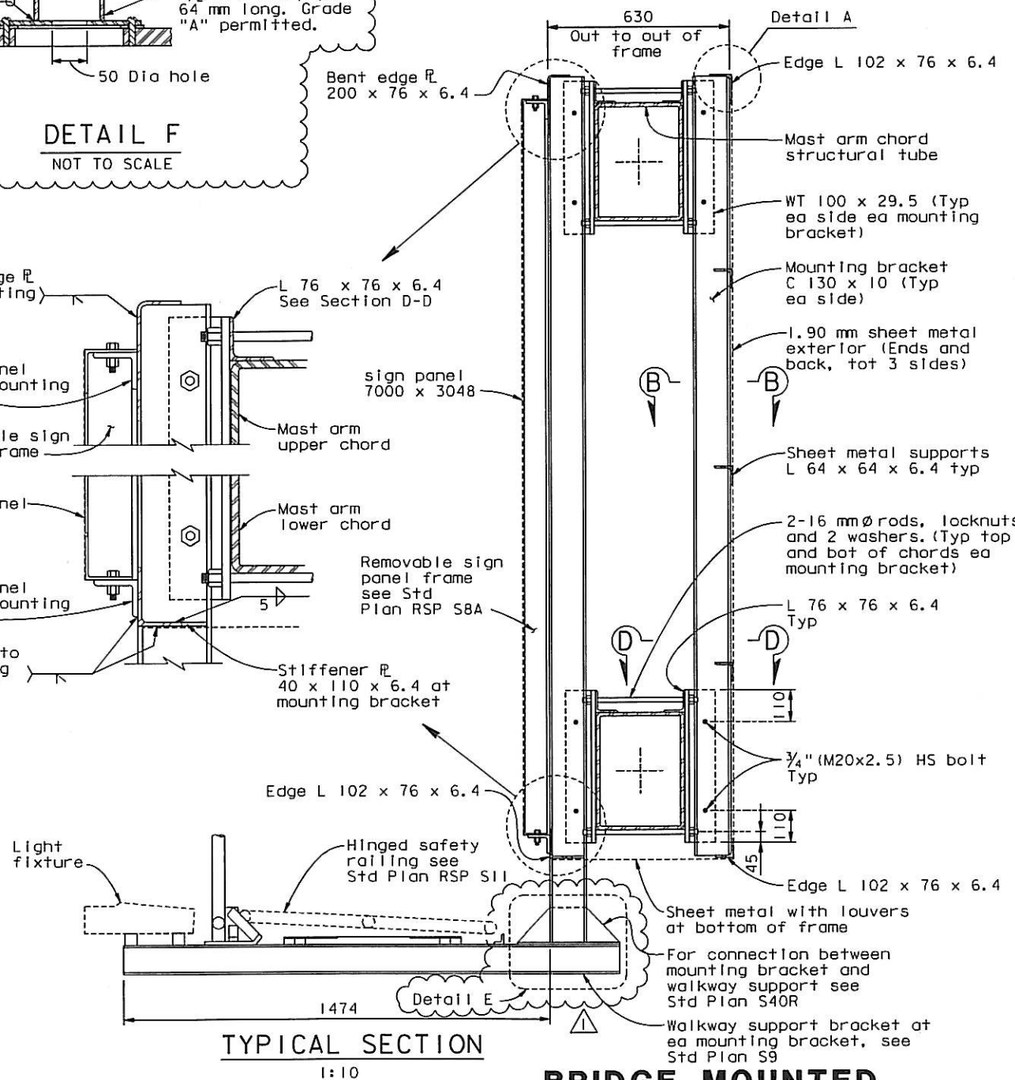
ELEVATION
1:40

DETAIL E
1:5

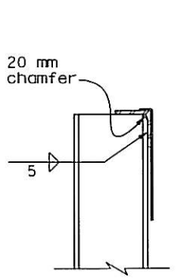


DETAIL F
NOT TO SCALE

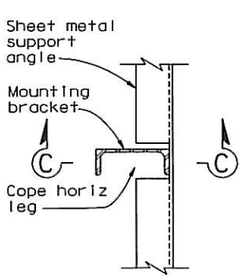




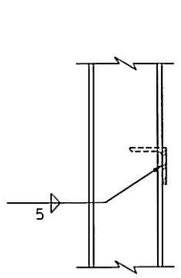
TYPICAL SECTION
1:10



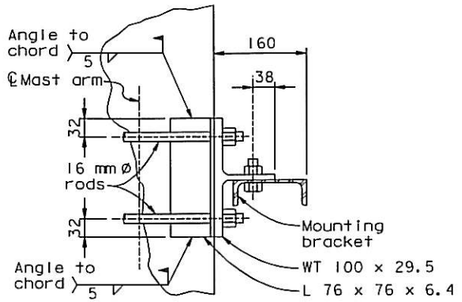
DETAIL A
1:5



SECTION B-B
1:5



SECTION C-C
1:5



SECTION D-D
1:5

BRIDGE MOUNTED OVERHEAD SIGN STRUCTURE DETAILS NO.1

SCALE AS NOTED

S-3

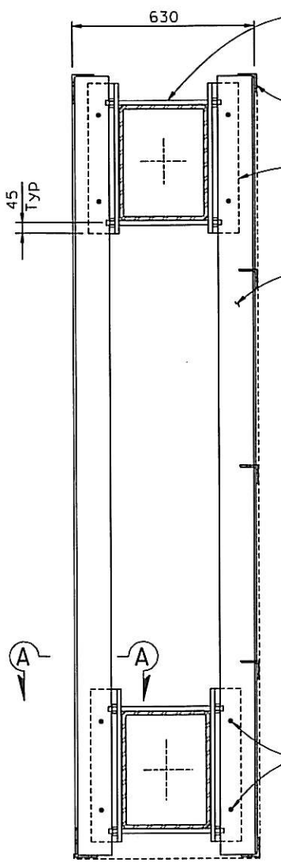
ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SHOWN.

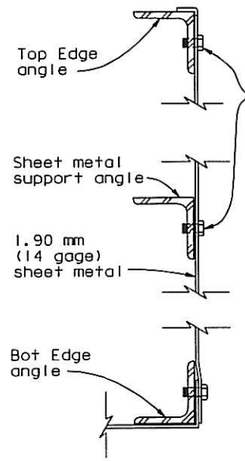
FOR REDUCED PLANS ORIGINAL SCALE IN MILLIMETERS 0 20 40 60 80

FILE => L:\BB\04-012001\SAS\Contract Plans and CCO\CCO\CCO#141\3-Revision 08-24-12\DGN\401201p03.dgn

CU 04251 EA 0120F1

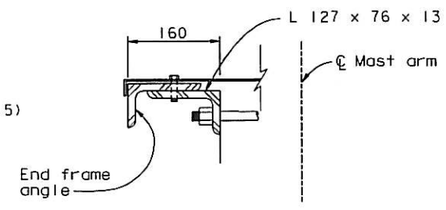
LAST REVISION 04-07-04 USERNAME => DWinrow DATE PLOTTED => 24 AUG 2012 TIME PLOTTED => 11:08:57





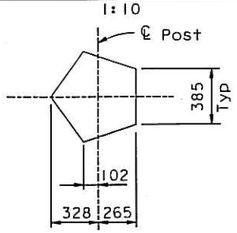
SHEET METAL ATTACHMENT DETAIL

No Scale



SECTION AT END FRAME

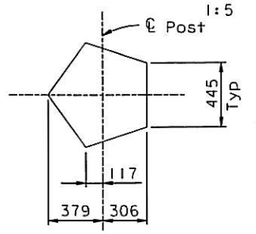
1:10



TOP

SECTION A-A

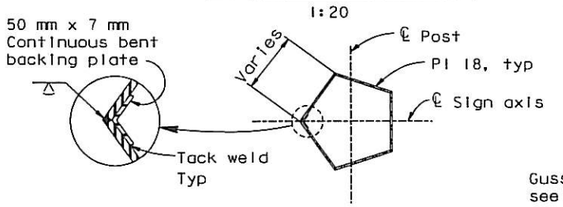
1:5



BASE

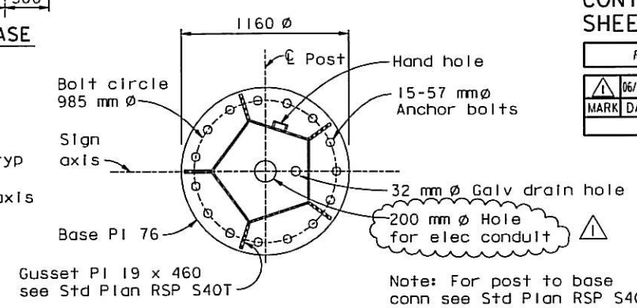
POST DIMENSIONS

1:20



TYPICAL POST SECTION

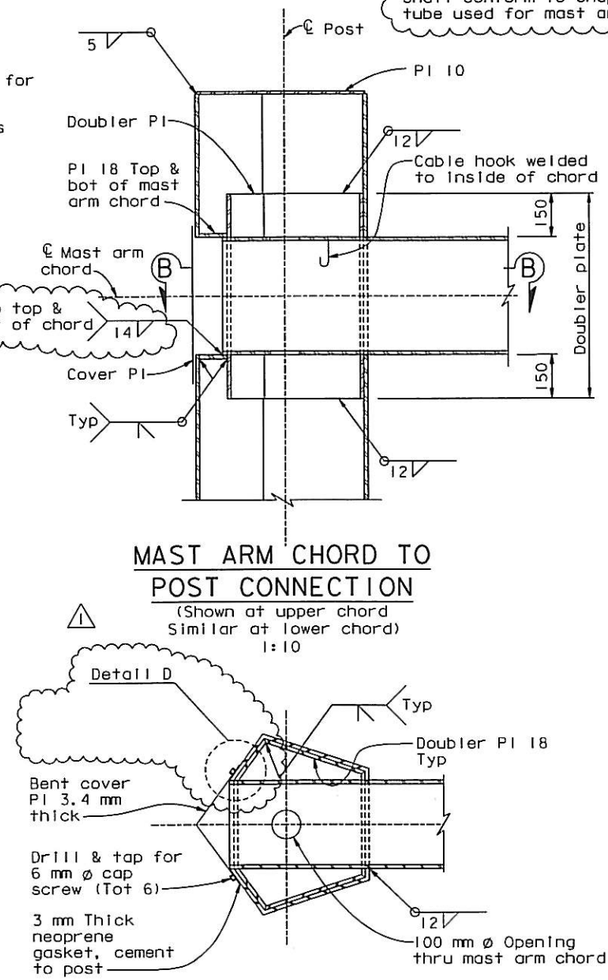
1:20



Note: For post to base conn see Std Plan RSP S40T

BASE PLATE DETAIL

1:20



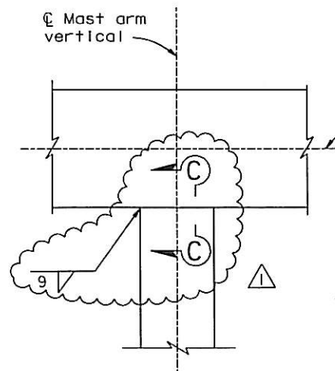
SECTION B-B

1:10

1 Note: Openings thru post and doubler plate to accomodate mast arm chords shall conform to shape of structural tube used for mast arm chords.

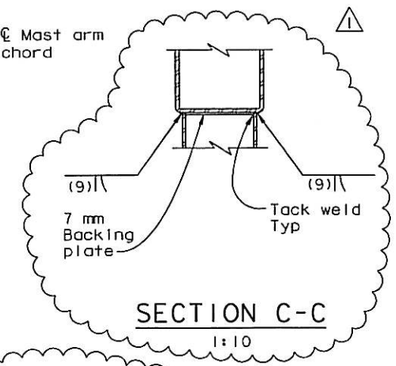
MAST ARM CHORD TO POST CONNECTION

(Shown at upper chord
Similar at lower chord)
1:10



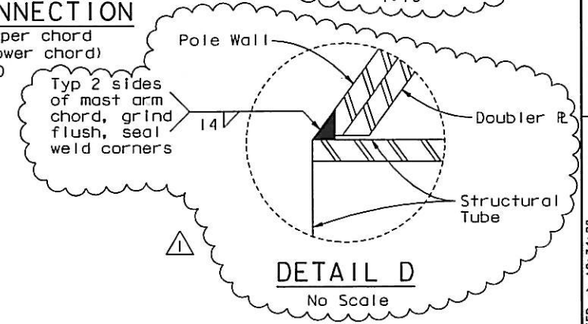
MAST ARM CHORD TO MAST ARM VERTICAL MEMBER CONNECTION

(Shown at upper chord
Similar at lower chord)
1:10



SECTION C-C

1:10



DETAIL D

No Scale

CONTRACT CHANGE ORDER NO. 141
SHEET 5 OF 5

REQUESTS FOR INFORMATION NOT ADDRESSED IN THIS CCO REMAIN IN FORCE

MARK	DATE	DESCRIPTIONS	BY	CH'D	CCO#
		REVISIONS			
1	06/18/10	SIGN STRUCTURES	AE	JB	141

NOTES:
For general notes see Std Plan S40N with following revisions:

1. Design Specifications:
   A.A.S.H.T.O. Standard Specifications for Structural Supports for Highway Signs, Luminaires and Traffic Signals, 4th Edition, 2001.
2. Wind loading: 3830 Pa
3. Structural steel:
   Tapered steel post and base plate ASTM A709 Grade 50
   Hollow structural section ASTM A500 Grade B
   Remainder, ASTM A709 Grade 36 unless noted otherwise
4. During sign erection the post shall be raked as necessary with the use of tapered shim plates to make the sign panel level. Shim plates shall cover the entire base plate area.
5. 1 8mm ø vent/drain holes with sealed plugs to be provided as required to accomodate galvanizing process, location and details subject to approval of Engineer.

ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SHOWN.

BRIDGE MOUNTED OVERHEAD SIGN STRUCTURE DETAILS NO. 2

SCALE AS NOTED

S-4

DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No	TOTAL SHEETS
04	SF	80	13.2/13.9	35RI	1204

Caltrans Metric

AL Ely
REGISTERED ENGINEER-CIVIL
12-6-04
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — A. L. ELY — No. 18880 — Exp. 6-30-11 — CIVIL — STATE OF CALIFORNIA

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	CALCULATED/ DESIGNED BY	DATE	REVISED BY	DATE REVISED
DESIGN OVERSIGHT	MD	11/00	JNB	4/7/04
BOB ZANDIPOUR	CHECKED BY	TYL	11/00	

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
SAS STRUCTURE
Caltrans

FOR REDUCED PLANS ORIGINAL SCALE IN MILLIMETERS 0 20 40 60 80

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CU 04251 EA 0120F1

LAST REVISION 04-07-04 USERNAME => arivera DATE PLOTTED => 18 JUN 2010 TIME PLOTTED => 10:34:28