DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
04	SF	80	13.2/13.9	143R1	1204

REGISTERED ENGINEER-CIVIL

12-6-04

PLANS APPROVAL DATE

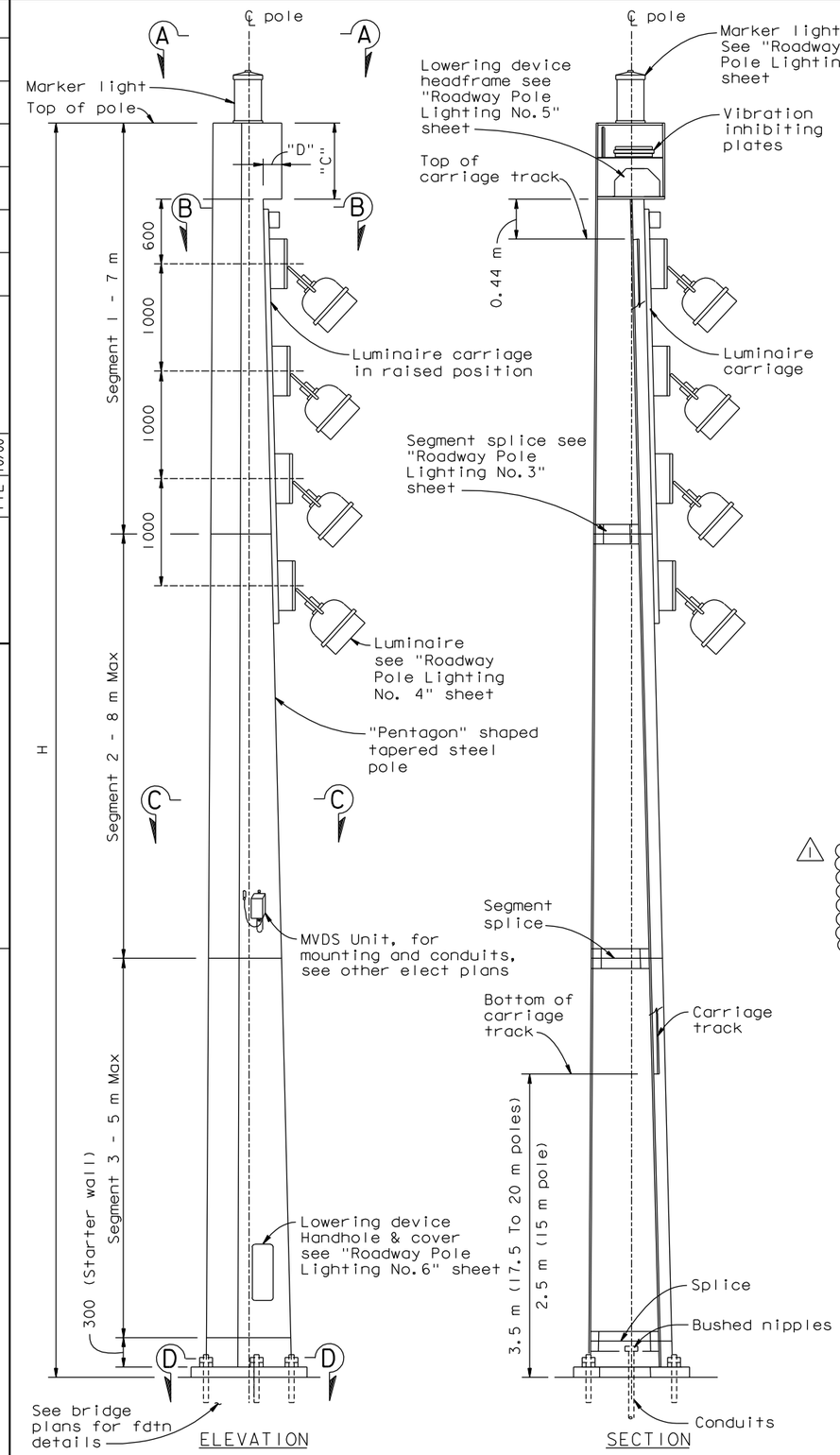
REGISTERED PROFESSIONAL ENGINEER T. W. SPARKS No. E16039 Exp. 9-30-11 ELECTRICAL STATE OF CALIFORNIA

The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.

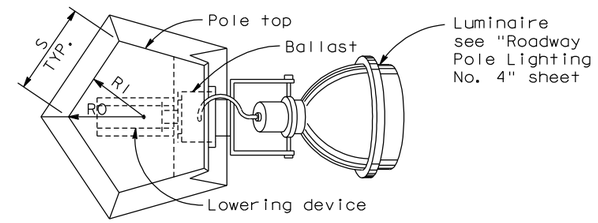
T.Y. LIN / MOFFATT & NICHOL
825 BATTERY STREET
SAN FRANCISCO, CA 94111

Caltrans now has a web site! To get to the web site, go to: http://www.dot.ca.gov

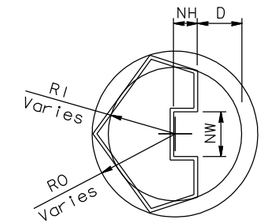
Caltrans Metric



POLE DETAIL (POLE WITH LOWERING DEVICE)
Not to scale



SECTION A-A
Not to scale



SECTION B-B
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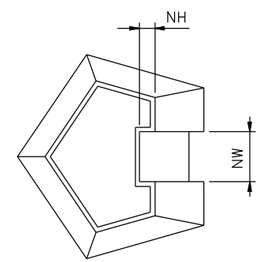

SECTION C-C
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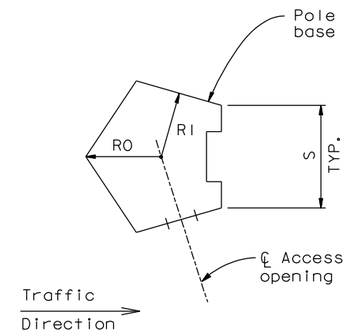

SECTION D-D
Not to scale

* * * POLES WILL BE STATE FURNISHED * * *
DETAILS ARE SHOWN IN CONTRACT NO. BATA 007

GENERAL NOTES:

SPECIFICATIONS
Design: AASHTO standard specifications for structural supports for highway signs, luminaires and traffic signals 1994 as revised by Interim Specifications-bridges 1986-1989, 1991, 1993 and 1994.

LOADING:
Wind Loading: 190 km/h velocity (at bridge deck) AASHTO

UNIT STRESS
Structural Steel: fy = 345 MPa tapered steel tube and base plate
fy = 248 MPa unless noted otherwise
Stainless steel: ASTM A666, type 316N, fy = 240 MPa
Stainless steel bolts and studs: ASTM F593, group 316L, fy = 205 MPa

WELDING
All welding continuous unless otherwise noted on the plans. All welding to be done in accordance with the standard specifications.

Notes
1. Pole details shall suit the lowering device. Pole details shall be submitted to the engineer for approval.
2. For pole finish see Special Provisions.

POLE DIMENSIONS											WALL THICKNESS (mm)				
POLE HEIGHT "H"	"C" (mm)	"D" (mm)	"NH" (mm)	"NW" (mm)	POLE TOP (mm)			POLE BASE (mm)			SEGMENT 1	SEGMENT 2	SEGMENT 3	STARTER WALL	NO. OF LUMINAIRES
					"S"	"R1"	"RO"	"S"	"R1"	"RO"					
15 m	565	130	75	150	290	200	247	390	268	332	6.4	9.5	N/A	25.4	3-4
17.5 m	640	140	75	150	310	213	264	420	289	357	6.4	7.9	12.7	34.9	4
20 m	715	150	75	150	355	244	302	480	330	408	6.4	7.9	12.7	34.9	4

CONTRACT CHANGE ORDER NO. ____
SHEET ___ OF ___

REQUESTS FOR INFORMATION NOT ADDRESSED IN THIS CCO REMAIN IN FORCE

MARK	DATE	DESCRIPTIONS	BY	CH'D	CCO#
1	04/22/11	STATE FURNISHED LIGHT POLES	JB	TS	43S1

REVISIONS

ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SHOWN.

DETAILS
SAS SUPERSTRUCTURE ROADWAY WESTBOUND TYPICAL ROADWAY POLE 1
SCALE AS NOTED

E-84

SAS STRUCTURE
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans

DESIGN OVERSIGHT: BOB ZANDIPOUR
CALCULATED/DESIGNED BY: GAM 10/00
CHECKED BY: TYL 10/00
REVISED BY / DATE REVISED

LAST REVISION 04-19-00
DATE PLOTTED => 21 APR 2011
TIME PLOTTED => 11:26:54

FOR REDUCED PLANS ORIGINAL SCALE IN MILLIMETERS 0 20 40 60 80
FILE => I:\bb\04-012001\sas\contract plans and cco\cco\cco#43s1\2-update 04-22-11\dgn\40120fua084.dgn
USERNAME => DWinrow
CU 04251 EA 0120F1