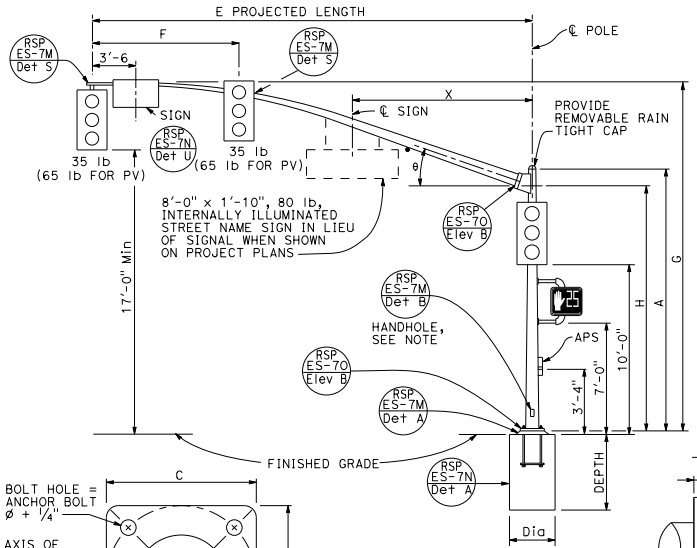
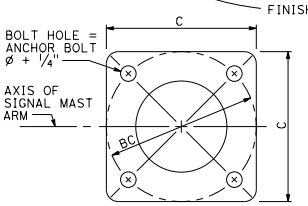


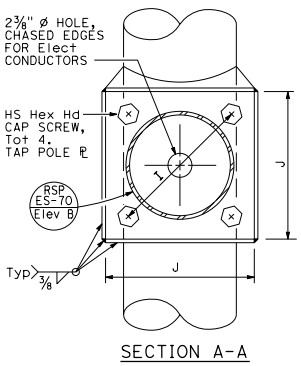


BASE PLATE

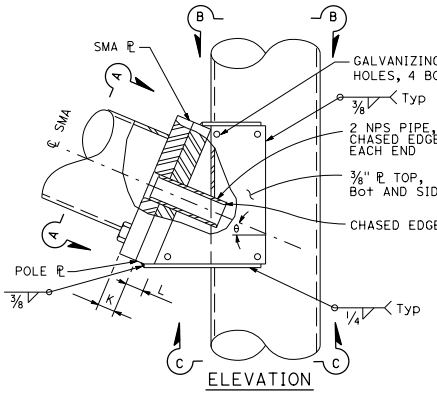
DETAIL B

TYPE 16-3-100, 18-3-100, 23-3-100, 27-3-100

ELEVATION A

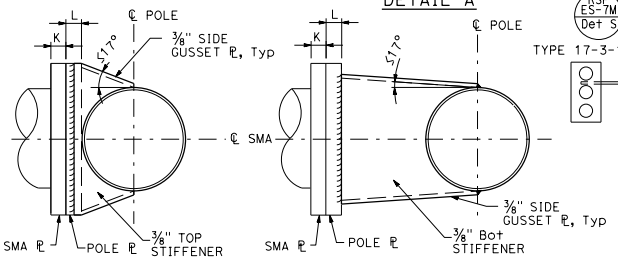


SECTION A-A



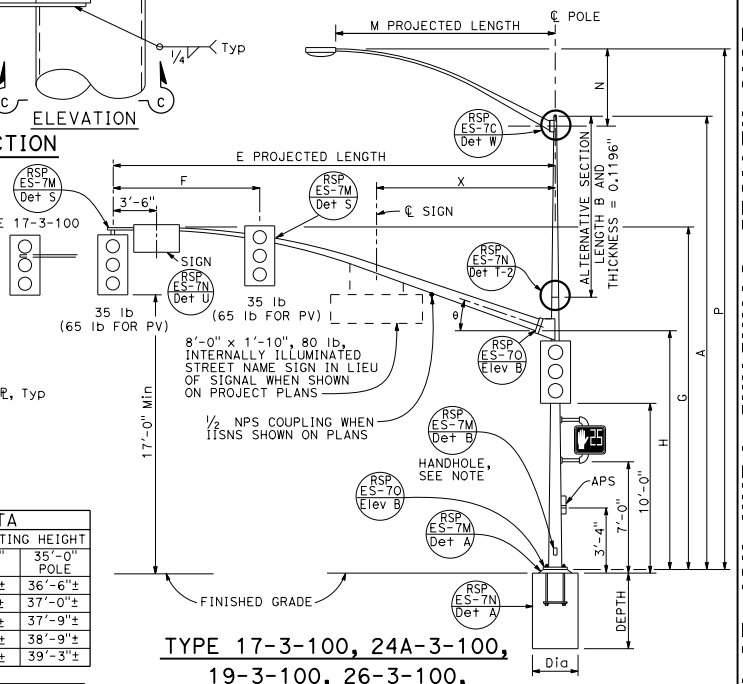
ELEVATION

SIGNAL MAST ARM CONNECTION



SECTION B-B

SECTION C-C



TYPE 17-3-100, 24A-3-100, 19-3-100, 26-3-100, 19A-3-100, 26A-3-100, 24-3-100

ELEVATION B

SIGNAL MAST ARM DATA												
E PROJECTED LENGTH	F Min SPACING	G MOUNTING HEIGHT	H	Min OD AT POLE	THICKNESS	I BOLT CIRCLE	HS CAP SCREWS	J PLATE SIZE	K MAST ARM ℄ THICKNESS	L POLE ℄ THICKNESS	θ	X Max
15'-0"	8'-0"	21'-8"±	17'-6"	7 3/8"	0.1793"	12"	1 1/4"-7NC-3"	1'-3"	1 1/4"	1 1/2"	23°	-
20'-0"		21'-8"±		7 3/8"								
25'-0"	12'-0"	22'-8"±		7 3/8"								10'-6"
30'-0"				8"								
35'-0"	14'-0"	23'-0"±	16'-0"	8 3/4"	0.2391"	13"		1'-5"	1 1/2"	1 3/4"	21°	13'-0"
40'-0"	15'-0"			9 3/8"							15°	
45'-0"		23'-8"±		10 1/16"								

LUMINAIRE MAST ARM DATA						
M PROJECTED LENGTH	N RISE	Min OD AT POLE	THICKNESS	P MOUNTING HEIGHT	
				30'-0" POLE	35'-0" POLE
6'-0"	2'-0"±	3 1/4"	0.1196"	31'-6"±	36'-6"±
8'-0"	2'-6"±	3 1/2"		32'-0"±	37'-0"±
10'-0"	3'-3"±	3 7/8"		32'-9"±	37'-9"±
12'-0"	4'-3"±			33'-9"±	38'-9"±
15'-0"	4'-9"±	4 1/4"		34'-3"±	39'-3"±

POLE DATA									BASE PLATE DATA					CIDH PILE FOUNDATION	
POLE TYPE	LOAD CASE	WIND VELOCITY (mph)	A HEIGHT	Min OD		THICKNESS	ALTERNATIVE SECTION			C	BC = BOLT CIRCLE	THICKNESS	ANCHOR BOLT SIZE			Dia	DEPTH
				BASE	TOP		B LENGTH	BOTTOM	TOP								
16-3-100	3	100	18'-6"	16"	13 3/8"	0.2391" OR 0.25"				1'-11"	1'-9"	3"	2 1/4" ø x 42"	NONE	15'-0", 20'-0"	3'-6"	12'-0"
17-3-100			30'-0"		11 3/4"		10'-0"	13 1/8"	11 3/4"					6'-15' 12'-0"			
18-3-100			17'-0"		13 5/8"									NONE	25'-0", 30'-0"		
19-3-100			30'-0"		11 3/4"		10'-0"	13 1/8"	11 3/4"					6'-15' 12'-0"			
19A-3-100			35'-0"		11"	0.3125"	15'-0"		11"					6'-15' 15'-0"			
23-3-100			17'-0"		13 5/8"	0.2391" OR 0.25"								NONE	35'-0"		
24-3-100			30'-0"		11 3/4"	0.3125"	10'-0"	13 1/8"	11 3/4"					6'-15' 12'-0"			
24A-3-100			35'-0"		11"		15'-0"		11"					6'-15' 15'-0"			
26-3-100			30'-0"	18"	13 3/4"		10'-0"	15 1/8"	13 3/4"	2'-1"	1'-11"			6'-15' 12'-0"	40'-0", 45'-0"		13'-0"
26A-3-100			35'-0"		13"		15'-0"		13"					6'-15' 15'-0"			
27-3-100			17'-0"		15 5/8"									NONE			

INDICATES MAST ARM LENGTH TO BE USED UNLESS OTHERWISE NOTED ON PLANS.

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS

REGISTERED CIVIL ENGINEER

July 15, 2016

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — Stanley P. Johnson — No. C57793 — Exp. 3-31-18 — CIVIL — STATE OF CALIFORNIA

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.

TO ACCOMPANY PLANS DATED _____

NOTE:

Handhole shall be located on the downstream side of traffic.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

ELECTRICAL SYSTEMS (SIGNAL AND LIGHTING STANDARD, CASE 3 SIGNAL MAST ARM LOADING, WIND VELOCITY=100 MPH AND SIGNAL MAST ARM LENGTHS 15' TO 45')

NO SCALE

RSP ES-7E DATED JULY 15, 2016 SUPERSEDES RSP ES-7E DATED OCTOBER 30, 2015 AND RSP ES-7E DATED JULY 19, 2013 AND STANDARD PLAN ES-7E DATED MAY 20, 2011 - PAGE 466 OF THE STANDARD PLANS BOOK DATED 2010.

REVISED STANDARD PLAN RSP ES-7E

2010 REVISED STANDARD PLAN RSP ES-7E

6-20-16