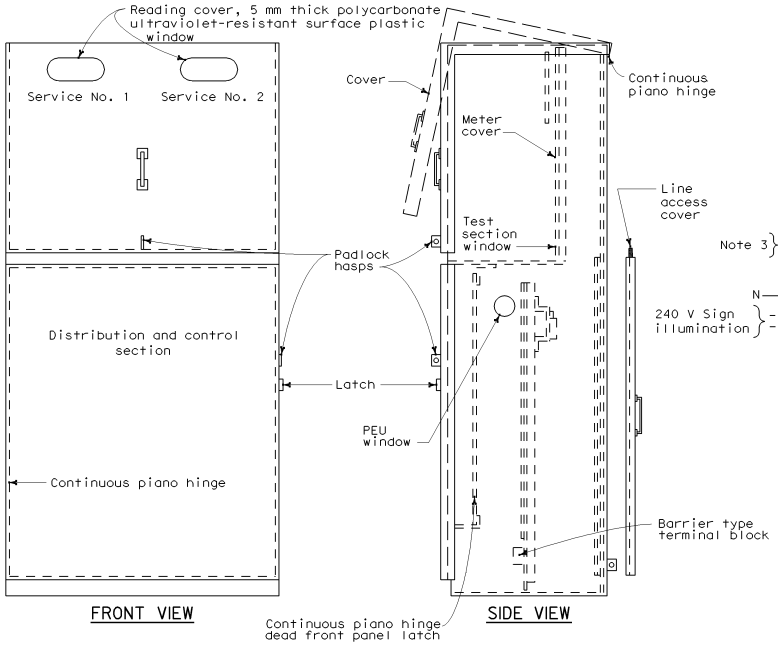
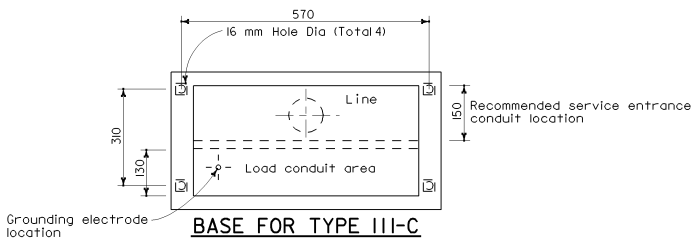
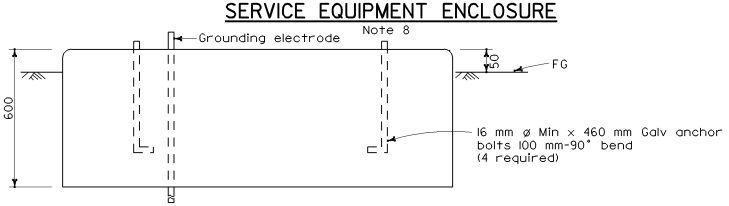


TYPE III-CF SERVICE EQUIPMENT ENCLOSURE WITH PROVISIONS FOR TWO 100 A METERS (TYPICAL)

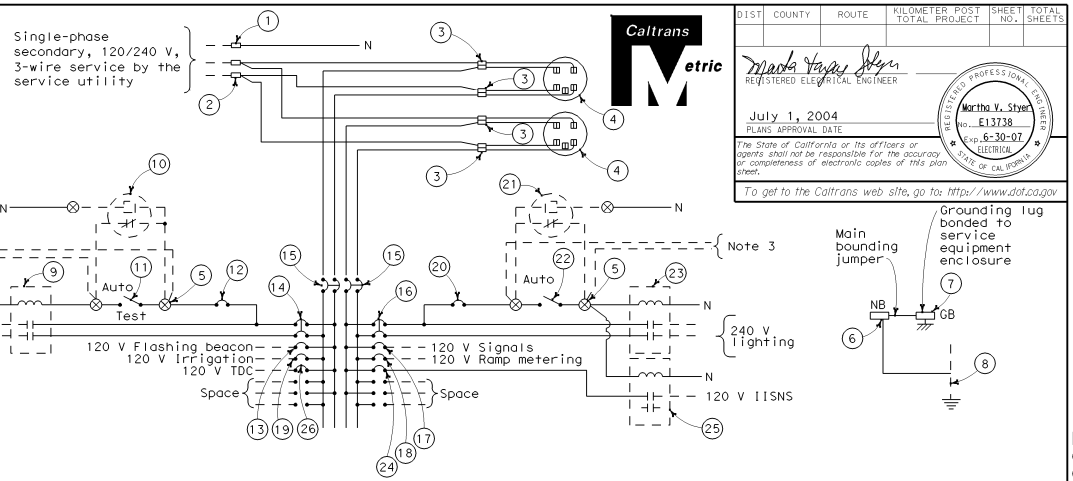


BASE FOR TYPE III-C SERVICE EQUIPMENT ENCLOSURE



FOUNDATION DETAIL

(See Note 16 on Standard Plan ES-2C)



120/240 V SERVICE WIRING DIAGRAM (TYPICAL)

TYPE III-C SERVICE (120/240 V) EQUIPMENT LEGEND

ITEM No.	COMPONENT	NAME PLATE DESCRIPTION	ITEM No.	COMPONENT	NAME PLATE DESCRIPTION
1	Neutral lug		14	30 A,240 V,2P,CB	Sign Illumination
2	Landing lug (Note 6)		15	100 A,240 V,2P,CB	Main Breaker
3	Test bypass facility		16	30 A,240 V,2P,CB	Lighting
4	Meter socket and support		17	50 A,120 V,1P,CB	Signals
5	Terminal blocks		18	30 A,120 V,1P,CB	Ramp Metering
6	Neutral bus		19	20 A,120 V,1P,CB	Irrigation
7	Grounding bus		20	15 A,120 V,1P,CB	Lighting Control
8	Grounding electrode		21	Photoelectric unit(Note 7)	
9	30 A,2PNO, Contactor	Sign Illumination	22	15 A,1P,Test switch	Lighting Control
10	Photoelectric unit (Note 7)		23	60 A,2PNO Contactor	Lighting
11	15 A,1P, Test switch	Sign Illumination Test Switch	24	15 A,120 V,1P,CB	IISNS
12	15 A,120 V,1P,CB	Sign Illumination Control	25	30 A,2PNO Contactor	IISNS
13	15 A,120 V,1P,CB	Flashing Beacon	26	20 A,120 V,1P,CB	Telephone Demarcation Cabinet

NOTES (FOR SERVICE EQUIPMENT ENCLOSURE)

1. Voltage ratings of service equipment shall conform to the service voltages indicated on the plans.
2. Unless otherwise indicated on the plans, service equipment items shall be provided for each service equipment enclosure as shown.
3. Connect to remote test switch mounted on lighting standards, sign post or structure when required.
4. Items No. 1 and 6 shall be isolated from the service equipment enclosure.
5. Meter sockets shall be 5 clip type.
6. The landing lug shall be suitable for multiple conductors.
7. Type V photoelectric control shall be used unless otherwise indicated on the plans.

DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET NO.	TOTAL SHEETS

Caltrans Metric

REGISTERED ELECTRICAL ENGINEER

July 1, 2004
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER Martha V. Styer No. E13738 Exp. 6-30-07 ELECTRICAL STATE OF CALIFORNIA

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STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

ELECTRICAL SYSTEMS (SERVICE EQUIPMENT AND TYPICAL WIRING DIAGRAM TYPE III -C SERIES)

NO SCALE

ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SHOWN

ES-2F