



- NOTES:**
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, ④ and ⑦ shall be isolated from the service equipment enclosure.
 5. Meter sockets shall be the 7 clip type.
 6. The landing lug shall be suitable for multiple conductors.
 7. Type I photoelectric control shall be used unless otherwise indicated on the plans.

TYPE III-D SERVICE (277/480 V) EQUIPMENT LEGEND

ITEM No.	COMPONENT	NAMEPLATE DESCRIPTION	ITEM No.	COMPONENT	NAMEPLATE DESCRIPTION
①	NEUTRAL LUG		⑲	30 A, 120 V, 1P, CB	RAMP METERING (120 V)
②	LANDING LUG		⑳	20 A, 120 V, 1P, CB	IRRIGATION (120 V)
③	TEST BYPASS FACILITY		㉑	10 A, 277 V, 1P, CB	LIGHTING CONTROL (277 V)
④	METER SOCKET AND SUPPORT		㉒	PHOTOELECTRIC UNIT (NOTE 7)	PEU (120/240 V)
⑤	TERMINAL BLOCKS		㉓	15 A, 1P, TEST SWITCH	LIGHTING TEST SWITCH (277 V)
⑥	NEUTRAL BUS	NEUTRAL BUS (480 V)	㉔	30 A, 2P, NO CONTACTOR	LIGHTING (480 V)
⑦	NEUTRAL BUS	NEUTRAL BUS (240 V)	㉕	15 A, 120 V, 1P, CB	IISNS (120 V)
⑧	GROUND BUS		㉖	30 A, 3P, NO CONTACTOR	INTERSECTION LIGHTING (120 V)
⑨	GROUNDING ELECTRODE		㉗	20 A, 120 V, 1P, CB	TELEPHONE DEMARCATION CABINET (120 V)
⑩	30 A, 2P, NO CONTACTOR	SIGN ILLUMINATION (480 V)	㉘	20 A, 480 V, 3P, CB	SPACE
⑪	PHOTOELECTRIC UNIT (NOTE 7)	PEU (277/480 V PEU)	㉙	15 kVA, 480-120/240 V TRANSFORMER	TRANSFORMER, 15 kVA, 480-240 V
⑫	15 A, 1P, TEST SWITCH	SIGN ILLUMINATION TEST SWITCH (277 V)	㉚	40 A, 480 V, 2P, CB	TRANSFORMER PRIMARY (480 V)
⑬	10 A, 277 V, 1P, CB	SIGN ILLUMINATION CONTROL (277 V)	㉛	80 A, 240 V, 2P, CB	TRANSFORMER SECONDARY (240 V)
⑭	15 A, 120 V, 1P, CB	FLASHING BEACON (120 V)	㉜	30 A, 240 V, 2P, CB	INTERSECTION LIGHTING (240 V)
⑮	15 A, 480 V, 2P, CB	SIGN ILLUMINATION (480 V)	㉝	NEMA 3R ENCLOSURE WITH LOUVERS	TRANSFORMER, 15 kVA, 480-240 V
⑯	100 A, 480 V, 3P, CB	MAIN BREAKER (480 V)	㉞	15 A, 1P, TEST SWITCH	IISNS AND INTERSECTION LIGHTING TEST SWITCH (120 V)
⑰	15 A, 480 V, 2P, CB	LIGHTING (480 V)	㉟	10 A, 120 V, 1P, CB	IISNS AND INTERSECTION LIGHTING CONTROL (120 V)
⑱	50 A, 120 V, 1P, CB	SIGNAL (120 V)			

STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION

**ELECTRICAL SYSTEMS
 (SERVICE EQUIPMENT ENCLOSURE
 AND TYPICAL WIRING DIAGRAM,
 TYPE III-D SERIES)**

NO SCALE

ES-2G

D16+	COUNTY	ROUTE	POST MILES	SHEET TOTAL
			TOTAL PROJECT	NO. SHEETS

May 20, 2011
 PLANS APPROVAL DATE

REGISTERED ELECTRICAL ENGINEER
 Jeffrey G. McRae
 No. E14512
 Exp. 6-30-12
 ELECTRICAL ENGINEER

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