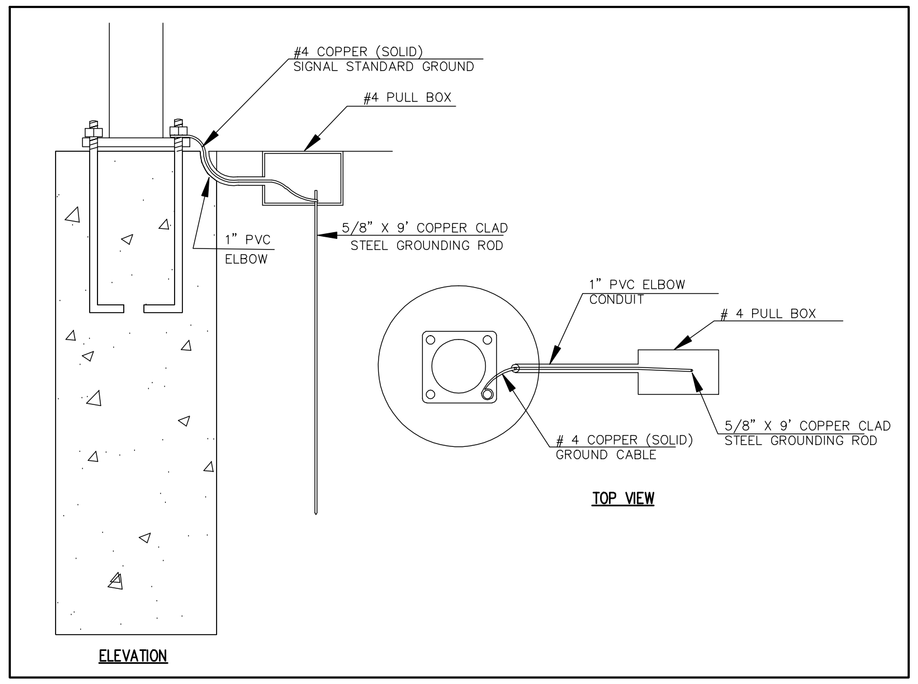
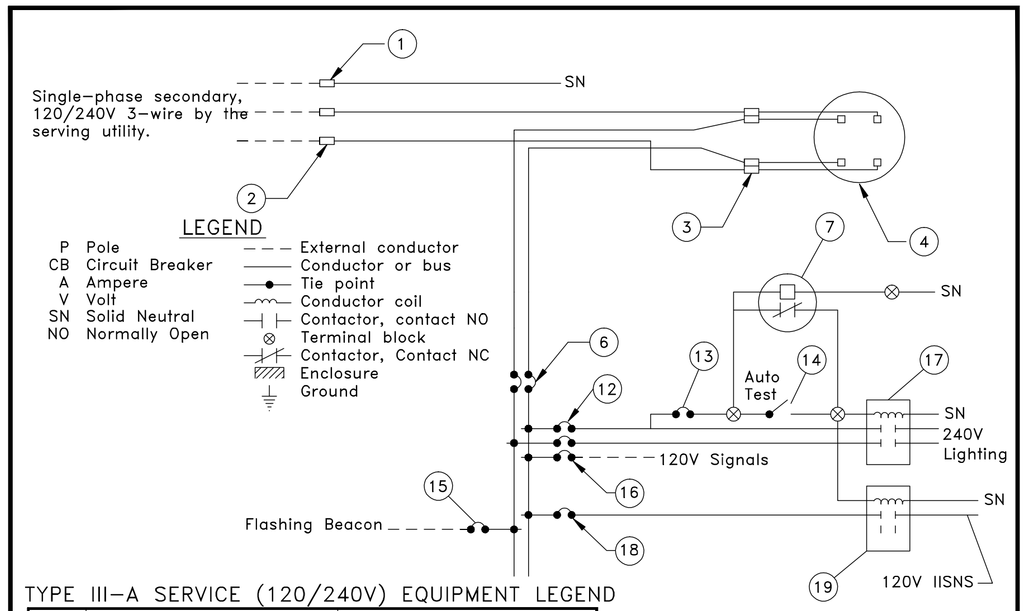


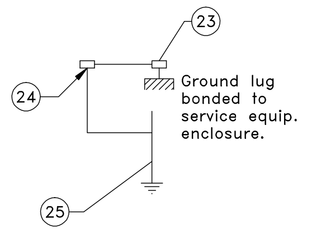
Ⓐ SIGNAL STANDARD GROUNDING DIAGRAM

N.T.S.



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

ITEM NO.	COMPONENT	NAME PLATE DESCRIPTION
(1)	Neutral Lug	
(2)	Landing Lug	
(3)	Test Bypass Facilities	
(4)	Meter Socket and Support	
(6)	100A, 240V, 2P, CB	Main Breaker
(7)	Photoelectric unit	
(12)	30A, 240V, 2P, CB	Lighting
(13)	15A, 120V, 1P, CB	Lighting Control
(14)	15A, 1P, Test Switch	Lighting Control Test Switch
(15)	15A, 120V, 1P, CB	Flashing Beacon
(16)	50A, 120V, 1P, CB	Signal
(17)	30A, 2PNO, Contactor	Lighting
(18)	15A, 120V, 1P, CB	IISNS
(19)	30A, 2PNO, Contactor	IISNS
(23)	Ground Lug	
(24)	Solid Neutral Terminal Strip	
(25)	Ground Rod	



NOTES: (FOR SERVICE EQUIPMENT)

1. Voltage ratings of service equipment shall conform to the service voltages indicated on the plans.
2. Unless otherwise indicated on the plans, all service equipment items shall be provided for each service equipment enclosure as shown.
3. Item No. (1) and (24) shall be isolated from the cabinet.
4. Meter sockets shall be 5 clip type.
5. PG&E shall install the time-of-use meter.

Ⓑ 120/240 SERVICE WIRING DIAGRAM

SERVICE EQUIPMENT SCHEDULE	
SERVICE NUMBER	
VOLTAGE	120/240
METERING	M + TOU
SERVICE TYPE	III-AF
WIRING DIAGRAM	AS SHOWN
MAIN BREAKER	100A – 3P
SUB (LIGHTING)	30A – 2P
SUB (SIGNALS)	50A – 1P
SUB (IISNS)	15A – 1P
LIGHTING CONTACTOR	30A – 2P
SUB FLASHER	15A – 1P
CONTACTOR COIL	120V
SEE STANDARD PLANS:	ES-2A, ES-2C, ES-2D,
M = METERED	TOU = TIME OF USE
U = UNMETERED	

Ⓒ SERVICE EQUIPMENT SCHEDULE

NOTES:

CONSTRUCT FOUNDATION FOR TYPE 170 CONTROLLER (SEE STANDARD PLAN ES-3C). INSTALL CONTROLLER AND CONNECT FIELD WIRING AS DIRECTED BY THE ENGINEER.

THE EXISTENCE AND LOCATION OF ALL UTILITIES SHALL BE VERIFIED BY THE CONTRACTOR.

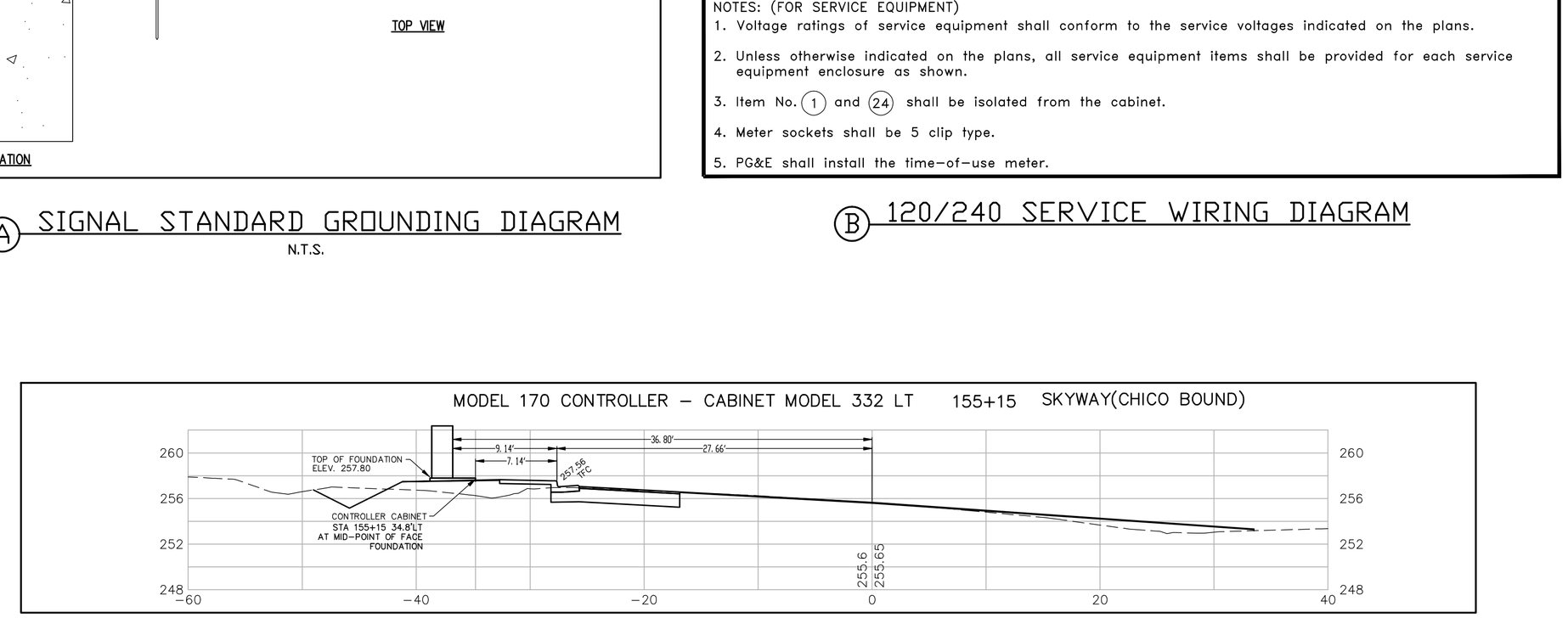
FOR LEGEND SEE STANDARD PLAN SHEETS ES-1A, 1B.

SIGNAL POLE FOUNDATIONS SHALL BE ADJUSTED TO BYPASS ANY UNDERGROUND UTILITY CONFLICT AS DIRECTED BY THE ENGINEER.

6'X6' LOOPS AND TYPE "C" DETECTORS SHALL BE CENTERED IN THE LANE UNLESS OTHERWISE NOTED.

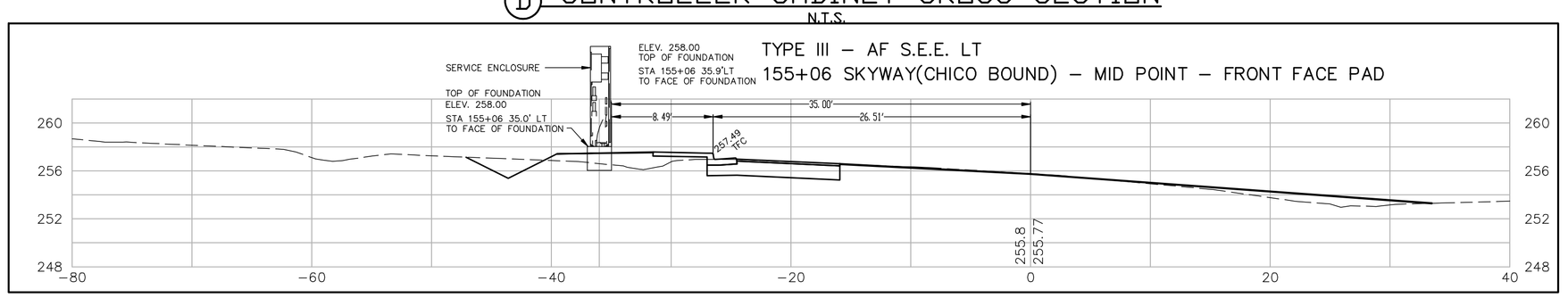
D.L.C. = DETECTOR LEAD-IN CABLE

CONTRACTOR SHALL PROVIDE HARDWARE TO INSTALL SIGNS ON SIGNAL MAST-ARM PER ES-7N



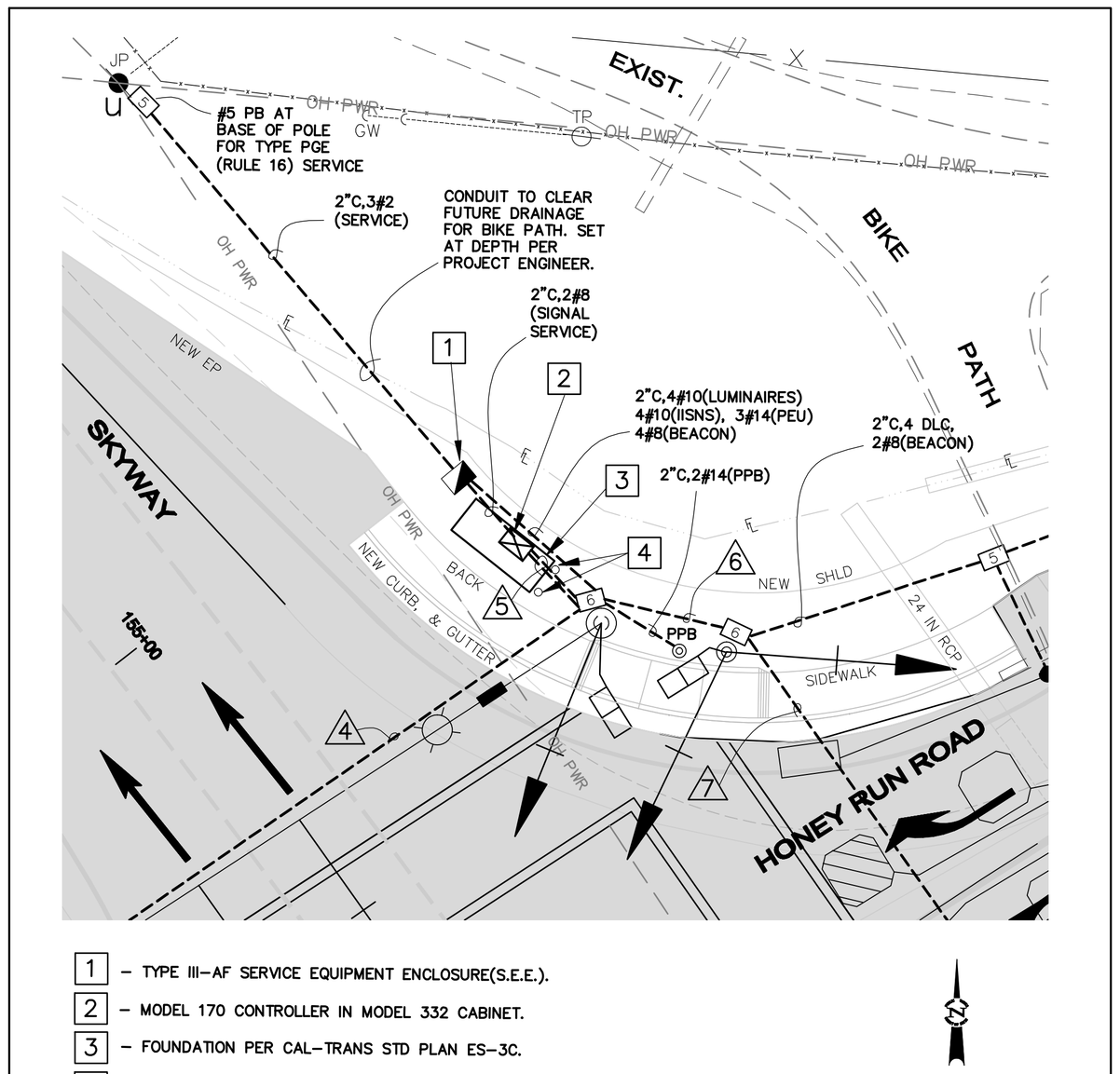
Ⓓ CONTROLLER CABINET CROSS-SECTION

N.T.S.



Ⓔ SERVICE CABINET CROSS-SECTION

N.T.S.



1 – TYPE III-AF SERVICE EQUIPMENT ENCLOSURE(S.E.E.).

2 – MODEL 170 CONTROLLER IN MODEL 332 CABINET.

3 – FOUNDATION PER CAL-TRANS STD PLAN ES-3C.

4 – GUARD POST PER CAL-TRANS STD PLAN ES-7P.

Ⓕ CONTROLLER & SERVICE DETAIL

N.T.S.

DEPARTMENT OF PUBLIC WORKS

PLOT DATE: MAY 10, 2008

PLANS FOR THE CONSTRUCTION OF SKYWAY AT HONEY RUN ROAD TRAFFIC SIGNALIZATION

SIGNAL DETAIL SHEET

PROJECT NUMBER 51261-1-06-1

4 of 11

FILE NO. E-2686