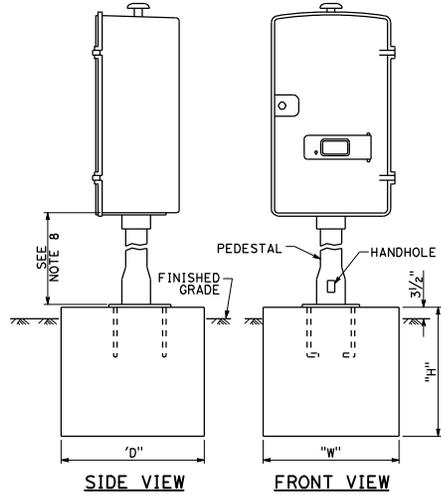
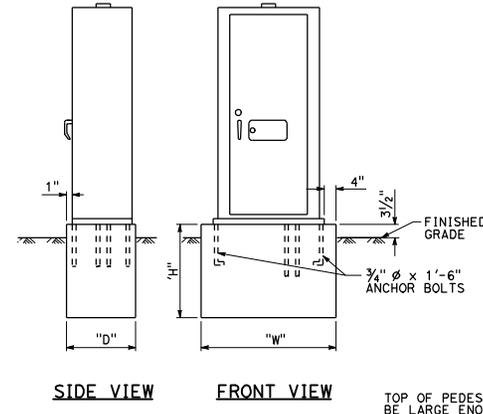


**NOTES:**

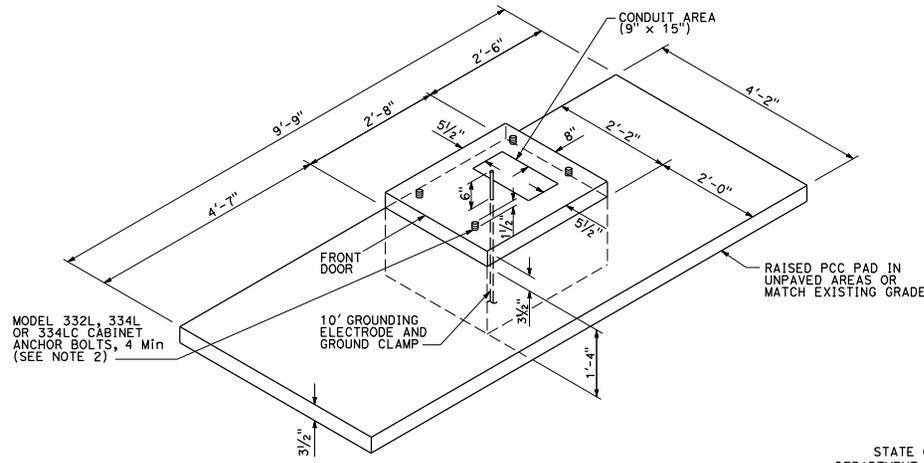
- Cabinet dimensions are nominal.
- Foundation shall be located to provide 2'-0" minimum clearance between face of curb and any portion of cabinet.
- Type G, M, P, R, S and Model 336L cabinets shall be installed with the back toward the nearest lane of traffic.
- The controller cabinet ground bus shall be bonded to the controller equipment enclosure.
- In unpaved areas, a raised portland cement concrete pad shall be constructed in front of each controller cabinet. The pad shall be 3'-0" x 3'-0" x 4" for a Type G cabinet and shall be 3'-0" x 4" thick x width of foundation for Type M, P, R, S and Model 336L cabinets.
- In unpaved areas, the top of foundation for Type G, P, R and S cabinets shall be 6" above surrounding grade. Top of foundation for Type M or Model 336L cabinet shall be 1'-6" above surrounding grade.
- In sidewalks and other paved areas, top of foundation for Type G cabinet shall be level with surrounding grade. Top of foundation for Type P, R and S cabinets shall be 3/2" above surrounding grade.
- The steel pedestal, base plate, bolt circle and foundation for Type G cabinet shall be the same as that shown for a Type 1-C Standard (see E5-7B). Pedestal shall be 2'-1" to 2'-6" in length. Anchor bolts shall be 3/4"  $\phi$  x 1'-6" with a 2" - 90° bend. Four bolts required per cabinet.
- Type G cabinet shall be provided with a slipfitter to permit mounting an 4/2" outside diameter pedestal. Slipfitter shall be bolted to bottom of the cabinet.
- Type G cabinet shall be provided with 8 screened, rain tight holes, 1/2" diameter or larger, in the bottom of the cabinet.
- A 1" drain shall be provided through the foundation of a Type M or Model 336L cabinet. Drain pipe shall be screened.
- See Table for cabinet and foundation dimensions; "D" = Depth, "H" = Height and "W" = Width.
- Cabinet shelves shall be adjustable for vertical spacing and shall be removable. Type M, P, R and S cabinets shall be provided with a minimum of two shelves.
- Anchor bolts for Type M, P, R, S and Model 336L cabinets shall be 3/4"  $\phi$  x 1'-6" with a 2" - 90° bend.
- An approved mastic or caulking compound shall be placed on the foundation prior to placing the cabinet to seal openings between bottom of cabinet and foundation.
- Controller units, plug-mounted equipment, shelf-mounted equipment and wall-mounted equipment shall be located to permit safe and easy removal or replacement without removing any other piece of equipment.
- Cabinet fan may be installed at an alternate location near the top of the cabinet when approved by the Engineer.
- Where telephone interconnect is required, a minimum of 5" clear vertical space shall be provided inside the cabinet for the equipment.
- Telephone interconnect conductors shall be enclosed in a 3/4" or larger conduit through the foundation. Type 4 conduit shall be used to separate telephone and power conductors in cabinets and pedestals.
- For Model 332L, 334L, 334LC and 336L cabinets details, see "Traffic signal controller equipment specifications".
- For Model 332L, 334L and 334LC without a battery backup system.



**FOUNDATION FOR  
TYPE G CABINET  
DETAIL A**



**FOUNDATION FOR  
TYPE P, R AND S CABINETS  
DETAIL B**



**FOUNDATION DETAIL  
DETAIL D**

|      |        |       |                             |              |                 |
|------|--------|-------|-----------------------------|--------------|-----------------|
| D16+ | COUNTY | ROUTE | POST MILES<br>TOTAL PROJECT | SHEET<br>NO. | TOTAL<br>SHEETS |
|------|--------|-------|-----------------------------|--------------|-----------------|

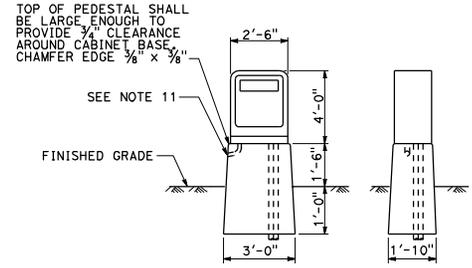
*Jeffery G. McRae*  
REGISTERED ELECTRICAL ENGINEER

May 20, 2011  
PLANS APPROVAL DATE

THE STATE OF CALIFORNIA OR ITS OFFICERS OF AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

REGISTERED PROFESSIONAL ENGINEER  
*Jeffery G. McRae*  
No. E14512  
Exp. 6-30-12  
ELECTRICAL  
STATE OF CALIFORNIA

| CABINET TYPE | FOUNDATION |       |       |
|--------------|------------|-------|-------|
|              | "W"        | "H"   | "D"   |
| G            | 2'-0"      | 3'-6" | 2'-0" |
| M            | 3'-2"      | 2'-6" | 1'-6" |
| P            | 4'-4 1/2"  | 1'-6" | 2'-4" |
| R            | 4'-2"      | 1'-6" | 2'-4" |
| S            | 5'-11 1/2" | 1'-6" | 2'-4" |



**FRONT VIEW SIDE VIEW  
PEDESTAL FOUNDATION  
FOR TYPE M OR  
MODEL 336L CABINET  
DETAIL C**

STATE OF CALIFORNIA  
DEPARTMENT OF TRANSPORTATION

**ELECTRICAL SYSTEMS  
(CONTROLLER CABINET FOUNDATION DETAILS)**

NO SCALE

**ES-3C**