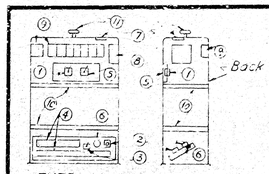
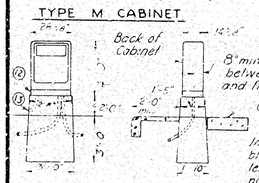
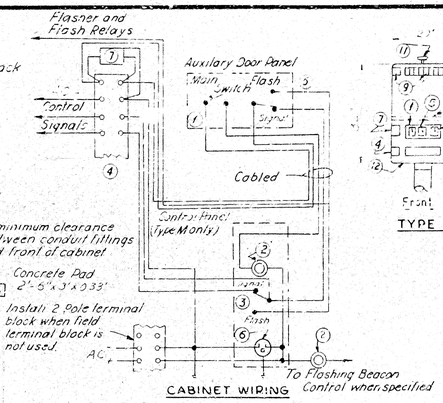


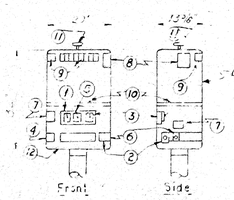
TYPE M CABINET



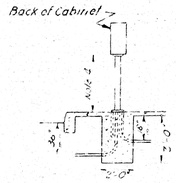
P.C.C. PEDESTAL FOUNDATION
TYPE M CABINET



CABINET WIRING



TYPE G CABINET



PEDESTAL AND FOUNDATION DETAILS
FOR TYPE G AND PRE-TIMED CONTROLLER CABINETS

NOTES

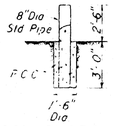
1. Pedestal, Base and Foundation details similar to Type I—A Standard (Unless otherwise specified)
2. Cabinets shall be provided with Slip Fitter to permit mounting on 4 1/2" O.D. pedestal.
3. Upper end of pedestal shall be 4 1/2" O.D.
4. The distance between the bottom of the controller cabinet and top of the foundation shall be:
   3'-1" for pre-timed controllers.
   3'-0" for traffic actuated controllers.

DIST	COUNTY	ROUTE	SECTION	SHEET NO	TOTAL SHEETS

January 9, 1959

TRAFFIC ENGINEER — CONTROLLER LICENSE NO 54-16

TO ACCOMPANY PLANS DATED



TYPICAL GUARD POST
NO SCALE

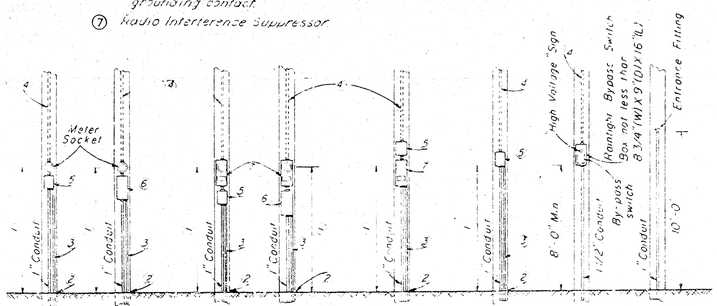
GENERAL INSTALLATION NOTES - ALL CABINETS

1. Foundations shall be located to provide 2'-0" minimum clearance between face of curb and back of cabinet.
2. One anchor bolt shall be bonded to conduit.
3. If telephone interconnect is specified a minimum of 5 inches clear vertical space shall be left beneath all other equipment inside cabinet.
4. For details not shown see Special Provision.
5. For telephone interconnect a 3/4" conduit shall be installed inside the steel or P.C.C. pedestal to a point 1 inch above the floor of the cabinet or finished surface of the P.C.C. pedestal. Conduit shall terminate in a No. 3 1/2 pull box adjacent to the foundation.
6. In unpaved areas, a raised Pad of 2'-6"x 3'-0"x 0.33' of P.C.C. surfacing shall be placed in front of each controller cabinet.

DETAILS - TYPE M AND G CABINETS AND WIRING NOTES

1. Main Switch
2. Plug Fuse Receptacle
3. Controller-Flash-Signal-Switch
4. Field Wire Terminal Blocks
5. Auxiliary Door Flash Switch
6. N.E.M.A. Standard Plug receptacle with grounding contact.
7. Radio Interference Suppressor.
8. Flasher
9. External Light Relays
10. Shelf
11. Cabinet Rainlight Vent
12. 8-1/2" Screened Vent Holes
13. 1" Drain

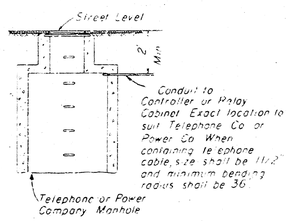
DETAILS OF CONTROLLER CABINETS
NO SCALE



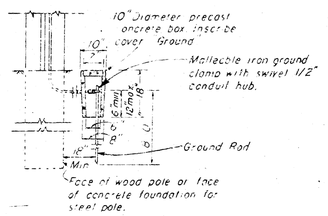
— NOTES AND LEGEND —

1. Height of service equipment to be obtained from service utility.
2. See grounding details at right for Types A, B, C, D, E & F.
3. Grounding conductor raceway shall be 1/2" conduit or hardwood moulding.
4. If service pole is utility owned service conductors raceway and entrance fittings shall be furnished by contractor and installed by serving utility. On state owned poles contractor shall furnish and install the service conductors raceway and entrance fittings. Service riser conduit shall be terminated with a service head or shall be sealed to prevent the entrance of water, as approved by serving utility.
5. Switch as specified in rainlight cabinet.
6. Switch as specified. Flasher Mechanism in 18"x10"x4 1/2" raintight box.
7. Meter Socket Box as approved by serving utility, with external manual circuit or closing device or space for test block as specified.

ELECTRICAL AND TELEPHONE SERVICE DETAILS
NO SCALE

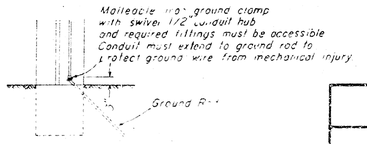


UNDERGROUND



TYPE "B" (Install only when indicated on plans)

Notes:
When water pipe is used for grounding it shall be enclosed in galvanized rigid conduit or equivalent mechanical protection.
Ground rod of the following minimum requirements shall be used. Depth below ground surface:
8'-0" Diameter of rod 3/4" galvanized rod or 5/8" x 1/2" solid rod of brass, copper or copper covered steel.



TYPE "A"

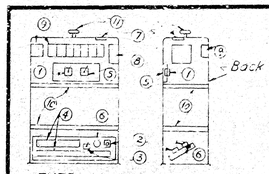
SERVICE GROUNDING DETAILS
NO SCALE

STATE OF CALIFORNIA
DEPARTMENT OF PUBLIC WORKS
DIVISION OF HIGHWAYS

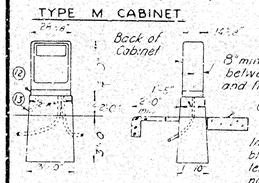
STANDARD DETAILS NO. 1
TRAFFIC SIGNAL AND HIGHWAY LIGHTING INSTALLATIONS

SCALE AS NOTED | REV. [illegible] 8/1/59 | [illegible]

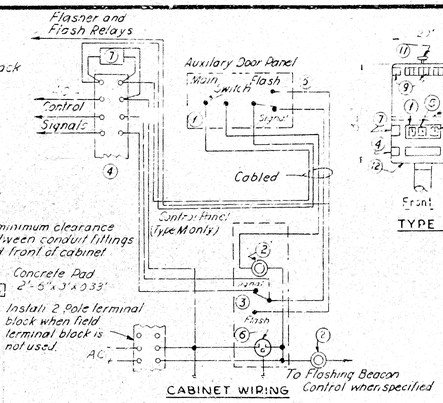
ES-1
SHEET 12 OF 15 SHEETS



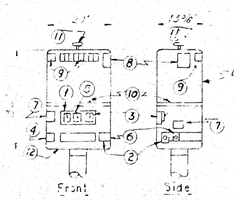
TYPE M CABINET



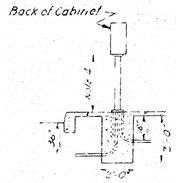
P.C.C. PEDESTAL FOUNDATION
TYPE M CABINET



CABINET WIRING



TYPE G CABINET



PEDESTAL AND FOUNDATION DETAILS
FOR TYPE G AND PRE-TIMED CONTROLLER CABINETS

NOTES

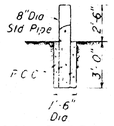
1. Pedestal, Base and Foundation details similar to Type I—A Standard (Unless otherwise specified)
2. Cabinets shall be provided with Slip Fitter to permit mounting on 4 1/2" O.D. pedestal.
3. Upper end of pedestal shall be 4 1/2" O.D.
4. The distance between the bottom of the controller cabinet and top of the foundation shall be:
   3'-1" for pre-timed controllers.
   3'-0" for traffic actuated controllers.

DIST	COUNTY	ROUTE	SECTION	SHEET NO	TOTAL SHEETS

January 9, 1959

TRAFFIC ENGINEER — CONTROLLER LICENSE NO 54-16

TO ACCOMPANY PLANS DATED



TYPICAL GUARD POST
NO SCALE

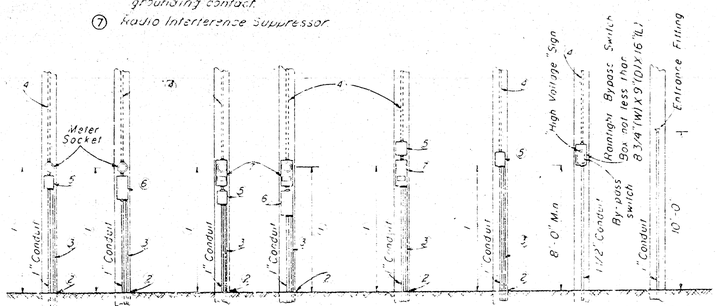
GENERAL INSTALLATION NOTES - ALL CABINETS

1. Foundations shall be located to provide 2'-0" minimum clearance between face of curb and back of cabinet.
2. One anchor bolt shall be bonded to conduit.
3. If telephone interconnect is specified a minimum of 5 inches clear vertical space shall be left beneath all other equipment inside cabinet.
4. For details not shown see Special Provision.
5. For telephone interconnect a 3/4" conduit shall be installed inside the steel or P.C.C. pedestal to a point 1 inch above the floor of the cabinet or finished surface of the P.C.C. pedestal. Conduit shall terminate in a No. 3 1/2 pull box adjacent to the foundation.
6. In unpaved areas, a raised Pad of 2'-6"x 3'-0"x 0.33' of P.C.C. surfacing shall be placed in front of each controller cabinet.

DETAILS - TYPE M AND G CABINETS AND WIRING NOTES

1. Main Switch
2. Plug Fuse Receptacle
3. Controller-Flash-Signal-Switch
4. Field Wire Terminal Blocks
5. Auxiliary Door Flash Switch
6. N.E.M.A. Standard Plug receptacle with grounding contact.
7. Radio Interference Suppressor.
8. Flasher
9. External Light Relays
10. Shelf
11. Cabinet Rainlight Vent
12. 8-1/2" Screened Vent Holes
13. 1" Drain

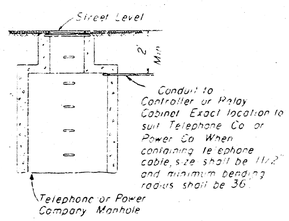
DETAILS OF CONTROLLER CABINETS
NO SCALE



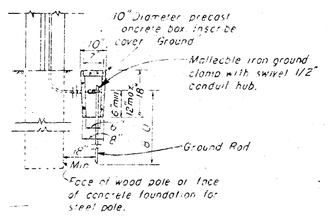
— NOTES AND LEGEND —

1. Height of service equipment to be obtained from service utility.
2. See grounding details at right for Types A, B, C, D, E & F.
3. Grounding conductor raceway shall be 1/2" conduit or hardwood moulding.
4. If service pole is utility owned service conductors raceway and entrance fittings shall be furnished by contractor and installed by serving utility. On state owned poles contractor shall furnish and install the service conductors raceway and entrance fittings. Service riser conduit shall be terminated with a service head or shall be sealed to prevent the entrance of water, as approved by serving utility.
5. Switch as specified in rainlight cabinet.
6. Switch as specified. Flasher Mechanism in 18"x10"x4 1/2" raintight box.
7. Meter Socket Box as approved by serving utility, with external manual circuit or closing device or space for test block as specified.

ELECTRICAL AND TELEPHONE SERVICE DETAILS
NO SCALE

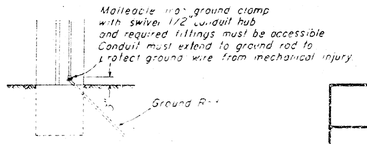


UNDERGROUND



TYPE "B" (Install only when indicated on plans)

Notes:
When water pipe is used for grounding it shall be enclosed in galvanized rigid conduit or equivalent mechanical protection.
Ground rod of the following minimum requirements shall be used. Depth below ground surface:
8'-0" Diameter of rod 3/4" galvanized rod or 5/8" x 1/2" solid rod of brass, copper or copper covered steel.



TYPE "A"

SERVICE GROUNDING DETAILS
NO SCALE

STATE OF CALIFORNIA
DEPARTMENT OF PUBLIC WORKS
DIVISION OF HIGHWAYS

STANDARD DETAILS NO. 1
TRAFFIC SIGNAL AND HIGHWAY LIGHTING INSTALLATIONS

SCALE AS NOTED | REV. [illegible] 8/1/59 | [illegible]

ES-1
SHEET 12 OF 15 SHEETS