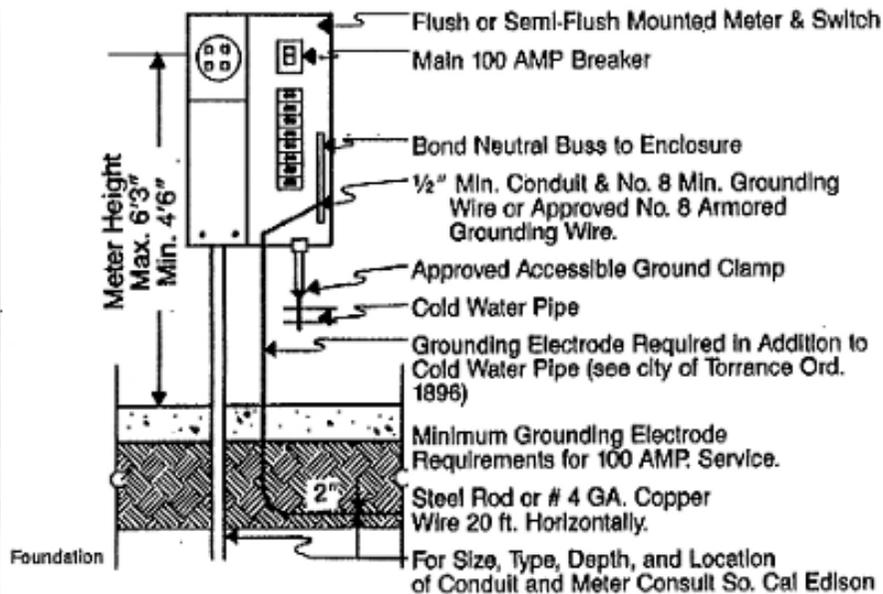


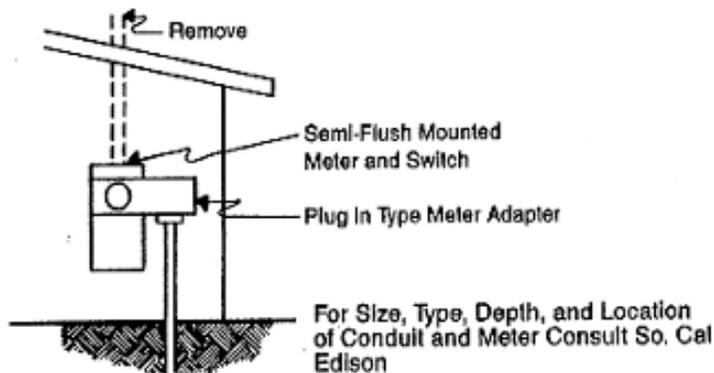
**ELECTRICAL SERVICE REQUIREMENTS  
FOR NEW CONSTRUCTION  
SINGLE FAMILY DWELLING**

**ELECTRICAL DETAILS**

**ELECTRICAL SERVICE REQUIREMENTS  
OF EXISTING SINGLE FAMILY DWELLING**



**TYPICAL SERVICE CONVERSION FROM OVERHEAD  
TO UNDERGROUND  
SEE CITY OF TORRANCE ORD. 2024**



Approved weatherproof service head, 10'-0" min. height above grade and 1'-0" min. height above roof.

Service drop to have single point of contact to riser

Provide 18" of free conductor from service head for attaching to service drop.

Clearance for service head and service drop.

- Areas above one and two family residences 10'-0"
- Above structures on which men are able to walk 8'-0"

Service heads for dwellings need not be located on the wall nearest the pole from which the ser. drops are to be run, but shall be so located that the ser. drop may be installed with only one point of attachment without crossing over adjacent premises.

Dwellings having over 10kw load or 1,000 sq. ft. floor area require 1-1/4" conduit, 3 - no. 2 minimum.

If service conduit is installed with locknuts, install a ground bushing or device and bond to the enclosure.

For location, height, and type of meter socket consult utility company.

Switches, panel boards, etc., installed outdoors shall be of a type approved for outdoor installation.

Main breaker or fusible switch required.

Bond neutral bus to encl. 1/2" min. conduit and # 8 AWG min. grounding wire or approved 8 AWG min. armored grounding cable.

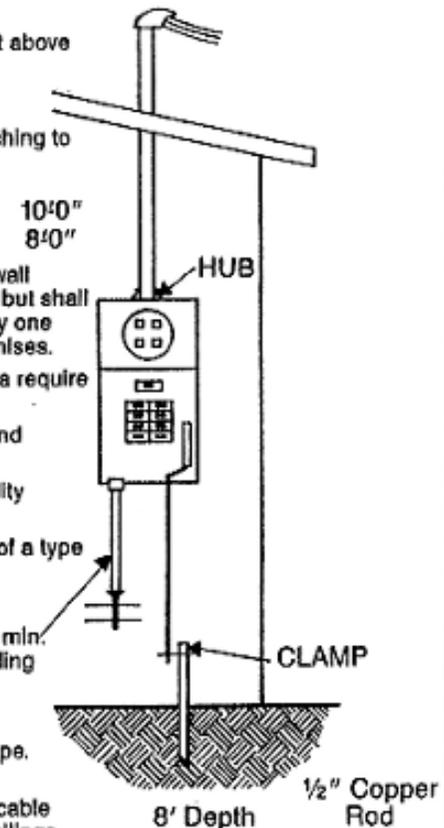
Approved accessible grounding clamp.

Grounding electrode required in addition to cold water pipe. (see City of Torrance Ord. 1896.)

Natural conductors must be white, non-metallic sheathed cable with grounding conductor permitted for single family dwellings where concealed in walls and attics.

Minimum required branch circuits

- 1-15 or 20 AMP Lights
- 2-20 AMP Work Areas Recept
- 1-20 AMP Laundry Recept.



**(Driven Ground)**

SIZE OF GROUNDING AND BONDING WIRES		
LARGEST SERV. ENTRANCE CABLE	BONDING OR GROUNDING	CONDUIT SIZE
#2 OR SMALLER	#6 AWG	1/2"
#1 or #0	#6 AWG	1/2"
FOR LARGER SERVICES CONSULT BLDG. DEPT.		

This drawing is intended to illustrate the requirements, not the arrangement.