ELECTRICAL SERVICE REQUIREMENTS
FOR NEW CONSTRUCTION
SINGLE FAMILY DWELLING

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
Above structures on which men are able to walk
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 outdoor shall be of a type approved for outdoor installation.
Man breaker or fusible switch required.
Bond neutral bus to enclose 1/2" min. conduit and #8 AWG min.
grounding wire or approved 6 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 brand circuits
1-15 or 20 AMP Lights
2-20 AMP Work Areas Recept
1-20 AMP Laundry Recept.

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

Foundation

CLAMP

8' Depth ½" Copper Rod

(Driven Ground)

SIZE OF GROUNDING AND BONDING WIRES

<table>
<thead>
<tr>
<th>SIZE OF BOUNDING WIRES</th>
<th>LARGEST SERVICES</th>
<th>BONDING OR ENTRANCEABLE GROUNDING</th>
<th>CONDUIT SIZE</th>
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</thead>
<tbody>
<tr>
<td>#2 OR SMALLER</td>
<td>#6 AWG</td>
<td>1/2&quot;</td>
<td></td>
</tr>
<tr>
<td>#1 or #0</td>
<td>#6 AWG</td>
<td>1/2&quot;</td>
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<td>FOR LARGER SERVICES</td>
<td>CONSULT BLDG. DEPT.</td>
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This drawing is intended to illustrate the requirements, not the arrangement.

CITY OF TORRANCE
BUILDING AND SAFETY

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