OVERHEAD TEMPORARY SERVICE POLE

1.0 PURPOSE

This standard outlines the minimum requirements for installation of a temporary overhead service pole by a customer, having a 100A to 200A, single phase service entrance. In some cases three phase service might be available, consult the local NVE office for details. A service pole is considered temporary when the installation is expected to **remain in service for less than one year**. Building construction sites and temporary sales lots are examples. Inspection / approval by local authorities are required before service can be connected.

2.0 LOCATION

Temporary poles shall be placed in such a location that the service drop will not cross portions of adjacent property or any structures on customers' premises unless a radial clearance of 8 feet can be maintained from the structures. Service drop must be a minimum of 16' in Nevada per NESC, and 18' in California per GO-95, above the ground. Areas subject to heavy truck traffic; dump trucks, cement trucks, etc., may require additional ground clearance. (Contact NVE for exceptions.)

Temporary poles shall be a minimum of 10 feet and a maximum of 100 feet from NVE's pole. When spans of #2 str triplex exceed 75 feet (or larger conductor) or when crossing roads, temporary poles must be push-braced or back-guyed.

3.0 POLE

Poles may be rectangular or circular in cross section and shall be solid (not laminated). Rectangular poles shall be a minimum cross section of 6" x 6" nominal; circular poles shall be minimum top circumference of 16". The minimum acceptable length shall be 20 ft. and must be set a minimum of 4 ft. in the ground. A taller pole may be required to obtain the required clearances. Untreated redwood, butt-treated cedar and commercially full-treated Douglas Fir poles are acceptable.

NOTE:
Because this temporary pole must be safely climbed by NVE linemen, a quality installation is critical.

4.0 SERVICE ENTRANCE EQUIPMENT

Service entrance conductors and grounding must meet applicable Local, State, and National Electrical (NEC) Codes. Meter socket must meet NVE requirements. Consult local NVE office for detailed information.

5.0 IDENTIFICATION

Customer to provide an identification sign or tag securely attached to pole/panel with street address that matches the structure or building address.

6.0 RISER CONDUIT

Conduit required to be non-conductive material with waterproof service head. Conduit size and type must meet National Electric Code (min. schedule 40 PVC electrical conduit).

MATERIAL TO BE FURNISHED BY CUSTOMER

1. Pole or timber-min. 20', must meet requirements of Section 3.
2. Service insulator/bracket 4" from top of pole.
3. Service (weather) head.
4. Wire - insulated.
5. Conduit shall be min. Sch. 40 - PVC. electrical conduit & waterproof service head.
6. Conduit straps @ 30" spacings.
7. Meter socket, main service switch.
8. Conduit, load side.
9. Waterproof outlets.
10. Grounding (#4 copper wire with 5/8" x 8' copper clad ground rod).
11. Guy wire (1/4" galv. steel) w/ anchor and fittings.
12. Down guy requires 5/8" galv. eyebolt, length as required, with 2-1/4" square galv. washers.
13. Push brace min. 2" x 4" bolted to pole (alt.).

ITEMS FURNISHED BY NVE

15. Meter
16. Service drop wire
17. Wedge clamp
18. Service drop connectors