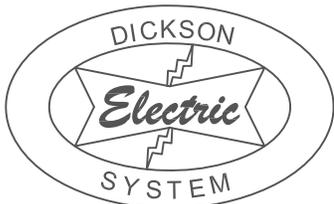
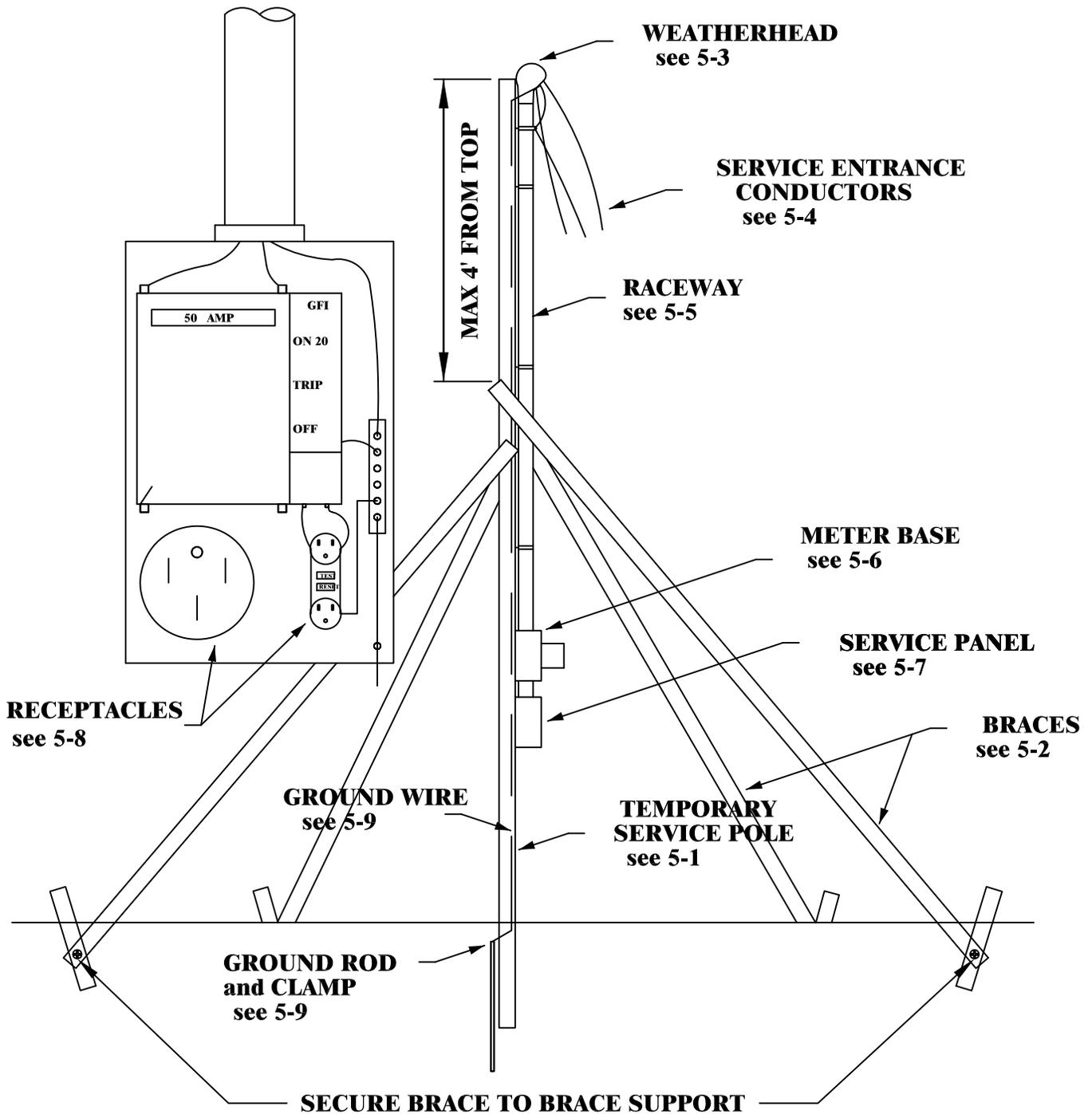


| AMP | CONDUCTOR | NEUTRAL | GROUND | CONDUIT |
|-----|-----------|---------|--------|---------|
| 60  | #6        | #6      | #4     | 1"      |
| 100 | #2        | #2      | #4     | 1-1/4"  |
| 200 | #3/0      | #1      | #4     | 2"      |

**WIRE SIZES ARE COPPER**



## OVERHEAD TEMPORARY SERVICE

DATE:

5/9/2016

FIGURE NO:

5

SCALE:

NONE

DES will provide service to temporaries that have passed wiring inspection at present site and meet with the following wiring and construction standards:

- 5-1. Service equipment and meter base securely fastened to a 4x4 pressure treated post, and set in the ground at a minimum depth of 2 ft. Temporaries will not be attached to DES poles. Customer can use a suitable pole if preferred. Poles should be set minimum of 10% of total length plus 2 feet. A 2x8 board can be used if the temporary is going to be tied to a tree or other structure.
- 5-2. Each temporary will have a minimum of 4 braces; 2 of which will brace against pull of service drop. Braces will be attached at least 9 ft. high on pole and extend at least 6 ft. from pole base.
- 5-3. Weather head location shall be permitted not farther than 18 inches from the point of attachment. Use Type W conductors.
- 5-4. Service entrance conductors should extend from weather head to minimum of 18 inches with a 5/8" eyebolt or other suitable means for service conductor attachment.
- 5-5. Rigid conduit, EMT, schedule 80 electrical PVC with rain-tight couplings and connectors may be used as service entrance raceway.
- 5-6. Meter base will be located between 5 and 6 ft. above grade.
- 5-7. A weatherproof, U.L. listed, temporary service panel will be located below meter base. In no case will panel be less than 2 ft. above grade.
- 5-8. 15, 20, and 30 amp receptacles will have ground-fault protection. If needed, 240v plugs must be 50 amp four wire and GFI breaker protected with in use covers if not in disconnect.
- 5-9. A ground wire of No. 4 bare copper or larger shall be run unspliced from the meter base to driven ground wire. An 8 ft. driven ground wire with tear drop clamp suitable for direct soil burial will be installed below grade.

**Notes:** Temporary service will not be located more than 50 ft. from existing DES service pole. Engineering department will determine the location of temporary service.

Required conductor clearances are 18 feet over roads, 16.5 feet over a driveway. For lines not crossing land that will be subject to traffic of any kind (including vehicles, trucks, farm equipment, and horseback rides), the absolute minimum clearance is 12 feet. Point of attachment must be located higher so the lowest point of the conductor meets these clearances.