

# SINGLE RESIDENCE PEDESTAL INSTALLATION SPECIFICATIONS

## 100 AND 200 AMP UNDERGROUND SERVICE

MATERIALS FURNISHED BY MEMBER

**① SUPPORT POSTS**

(2) - 4"x4"x10' minimum pressure treated post and backing.

**② METER BASE WITH BREAKER**

Rated at least 100 amps, must be weatherproof. Breaker must be properly sized to protect wire.

**③ SCH 80 CONDUIT**

Schedule 80 PVC and bushings.

**④ PIPE STRAPS**

**⑤ EXPANSION JOINTS**

Properly separated with larger side up.

**⑥ COUPLING (if needed)**

Schedule 40 PVC

**⑦ 90 DEGREE SWEEP, 36" RADIUS**

Schedule 40 PVC.

**⑧ SCH 40 CONDUIT**

Sch 40 below grade.

**⑨ GROUND WIRE**

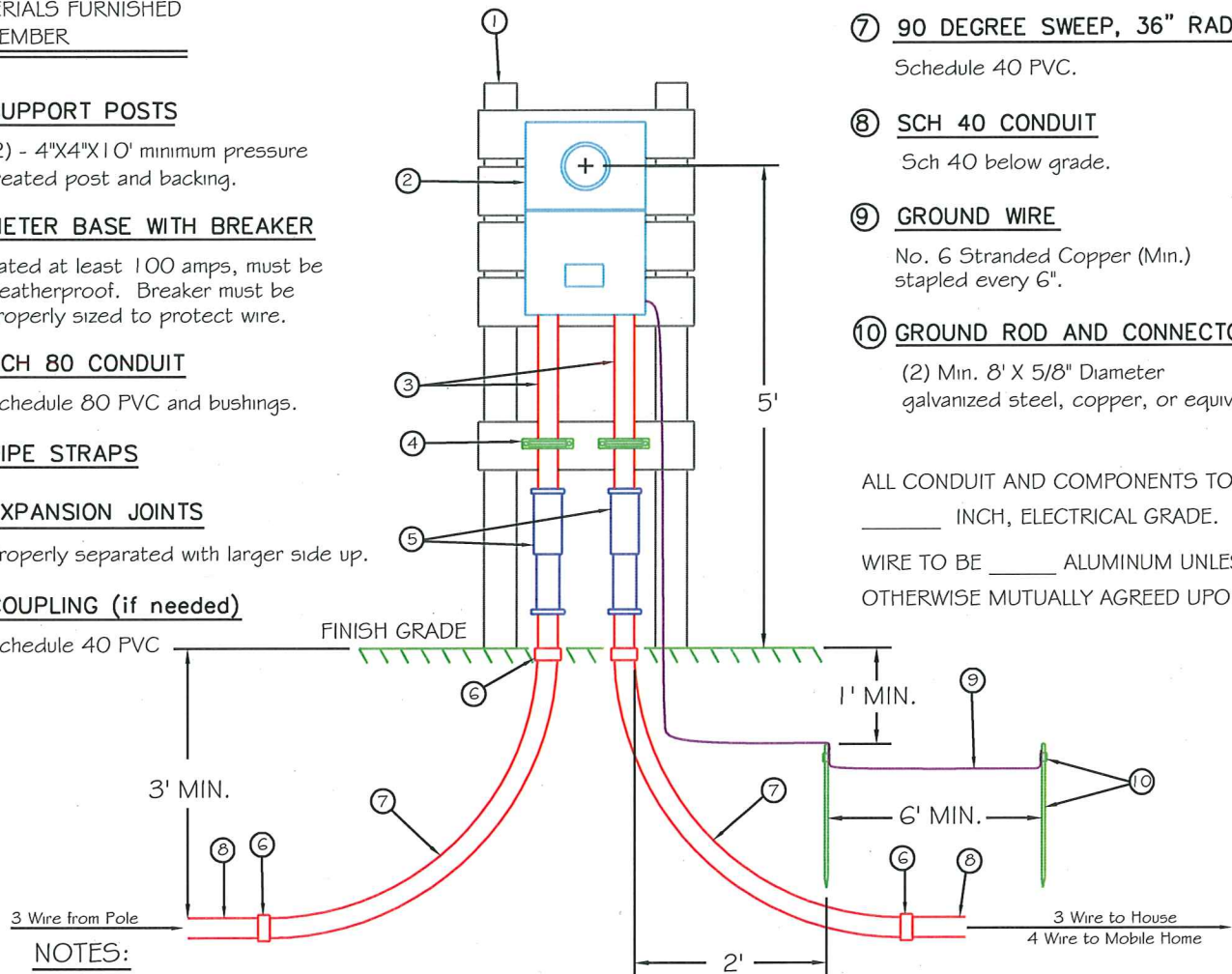
No. 6 Stranded Copper (Min.) stapled every 6".

**⑩ GROUND ROD AND CONNECTORS**

(2) Min. 8' X 5/8" Diameter galvanized steel, copper, or equivalent.

ALL CONDUIT AND COMPONENTS TO BE \_\_\_\_\_ INCH, ELECTRICAL GRADE.

WIRE TO BE \_\_\_\_\_ ALUMINUM UNLESS OTHERWISE MUTUALLY AGREED UPON.



NOTES:

1. All conduit and accessories must meet electrical grade specifications. All wiring and materials must conform to the requirements of all applicable electrical codes. WEC STRONGLY RECOMMENDS THE USE OF A QUALIFIED ELECTRICIAN.
2. Before making any changes in your present entrance or before installing a new entrance, please call the main office of the Cooperative (223-5245 or 1-800-932-5245) to make arrangements to have the meter location approved by the Cooperative.
3. All conduit and accessories must meet electrical grade specifications.
4. All trenching must be a minimum of three (3) feet below finish grade.
5. Meter location shall be readily accessible and visible from the driveway or road.
6. Any commercial or industrial meter base 200 amps or larger shall have a manual bypass switch.
7. Trimming of wire strands is NOT allowed. If wire does not fit into lugs or breakers reducing pins must be used.

Mobile Home Specific Notes: (refer to National Electrical Code Article 550)

1. Meter location shall not be more than thirty (30) feet from the exterior wall of the mobile home it serves. Meter cannot be on the mobile home.
2. 4 wire URD must be installed between last point of disconnect and mobile home.



WASHINGTON  
ELECTRIC CO-OP

www.washingtonco-op.com tel: 802 223-5245

sec-ug200.3

REVISED: April 20, 2005 g:\public\acad dwgs