

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

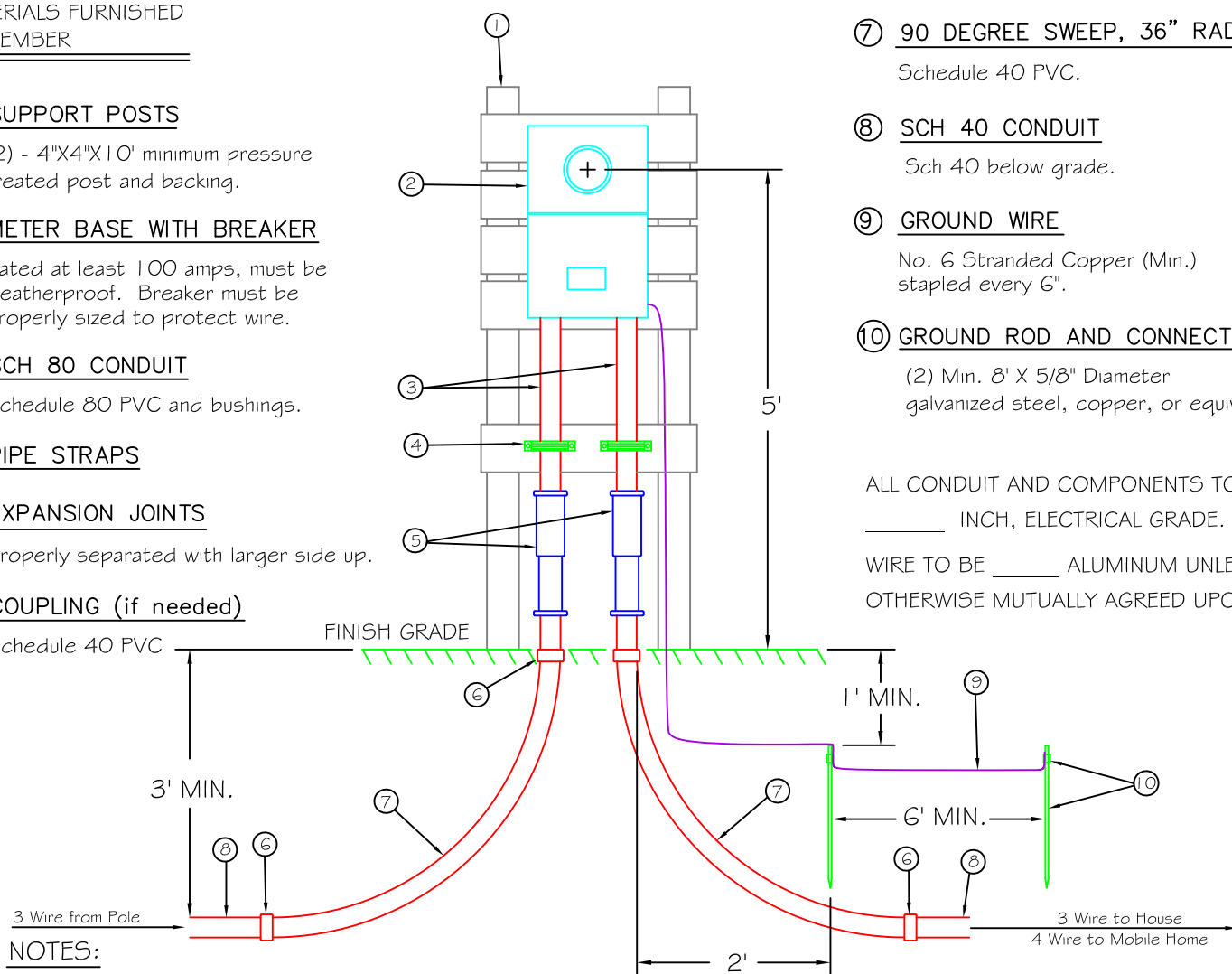
No. 6 Stranded Copper (Min.) stapled every 6".

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. WEC field technician shall approve location of a pedestal prior to construction. All pedestals shall be located outside of WEC Right of Way (15' from centerline of R.O.W. (single phase) and 25' from centerline of R.O.W. (2 or 3 phase). 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 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 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

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