

# METER ON HOUSE INSTALLATION SPECIFICATIONS

## 100 AND 200 AMP UNDERGROUND SERVICE

MATERIALS FURNISHED BY MEMBER

① METER BASE WITH DISCONNECT

To be securely attached to building by member.

② SCH 80 CONDUIT

Schedule 80 PVC and bushings for all above ground conduit. (with terminal adapter and locknut)

③ PIPE STRAPS

④ EXPANSION JOINT

Properly separated with larger side up.

⑤ SCHEDULE 40 CONDUIT

Electrical grade PVC, schedule 40 below grade.

⑥ 90 DEGREE SWEEP, 36" RADIUS

Schedule 40 PVC.

⑦ COUPLINGS

(If needed)

⑧ GROUND WIRE

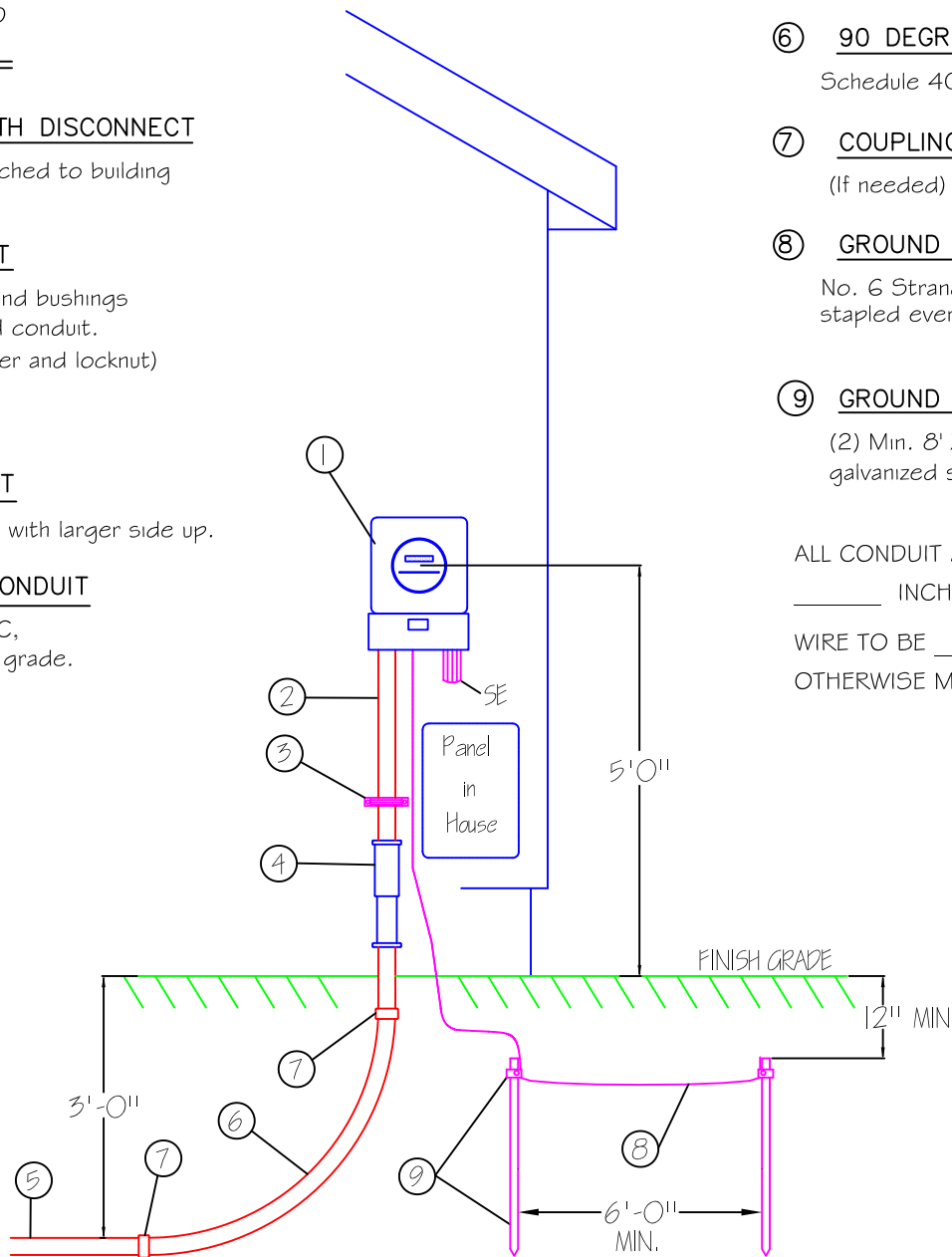
No. 6 Stranded Copper (Min.) stapled every 6".

⑨ 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. All service entrance wiring must be complete and all necessary excavation and conduit ready prior to the time of installation of the materials up the pole. No wire shall be trimmed to fit in any lug or breaker. Reducing pins must be used to remedy this situation.
3. For trench specifications 3ft in depth is recommended or as per National Electrical Code.
4. Before making any changes in your present entrance or installing a new entrance please call the Cooperative office to make arrangements to have the meter location approved by the Cooperative.
5. Any meter base 200 amps or larger that is commercial or industrial shall have a manual bypass switch.
6. Trimming of wire strands is not allowed. If wire does not fit into lugs or breakers reducing pins must be used.



WASHINGTON  
ELECTRIC CO-OP

www.washingtonelectric.coop tel: 802 223-5245

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