Pole Mounted Details

**NOTES:**

1. Contractor must coordinate with utility's field engineer. Contractor shall be responsible for scheduling and coordinating of all utilities, related work, and inspections as necessitated by the project.

2. All work and materials shown on electrical service details from the electric utility pole to the disconnect is incidental to power service pay items.

3. Service entrance power conduit systems shall be installed per NEC and local requirements.

4. Do not extend conduit above the secondary or neutral position at any time.

5. Conduit shall maintain a minimum clearance of 6" below the secondary or neutral bus.

6. All proposed service types and locations are subject to approval from utility. Contractor is responsible for furnishing and installing all equipment according to Engineer's approval.

7. If power service is needed to provide 480V, the service shall be a 480/240V single-phase service. The contractor shall coordinate with the power company to determine if they have any special requirements for a metered 480 volt service drop, such as but not limited to, an additional enclosure or disconnect ahead of the meter, current transformers, or conduit boxes. If so, the contractor shall modify the power service as needed, as approved by the engineer.

8. Existing/proposed electric utility pole installed by utility. No Work.

9. Existing/proposed electric utility meter base installed by utility. No Work.

10. Service entrance cable in conduit by Contractor. All service entrance cable by Contractor.

11. Conduit run is continuous between equipment stand and utility pole/transformer or as indicated on plan sheets.

12. Contractor shall install conduit no closer than 2' from edge of utility transformer/pole. Approach to Transformer must be coordinated with utility.

13. NEMA 4 4-hole breaker enclosure with two 4-hole, 600V bolt-in type circuit breakers. Enclosure shall be service entrance rated. Enclosure shall be locking type with No. 10-20 gauge ground. Padlocks furnished shall be brass, equal to Wilson Bohanan 660A, and shall be keyed in accordance with the padlock 633-05 or 633-07 Type 4. The disconnect shall be capable of being padlocked in both the ON and OFF positions and shall also be capable of separately locking the door shut, one padlock shall be used to lock the disconnect switch in the appropriate position and one shall be used to lock the door shut.

14. If a power meter is to be longer than 80', a guy wire anchor shall be attached to anchor the wood pole.

15. 1/4" steel cable - eyeplates 1/4" x 4" with appropriate nuts and large washer. Anchor - 1/4" x 4" with 6" plate copper Straps. Distance from anchor to the ground to the center of the wood pole shall be 30' minimum.

16. 5' max.

17. Padlocks furnished shall be brass, equal to Wilson Bohanan 660A, enclosure rated. Provide two (2) padlocks for each enclosure.

18. Contractor furnished and installed Class V wood pole.

19. Concrete pull box, 18" will be installed within 5' of every utility pole. See detail for specifics. See detail for specifics. See detail for specifics.

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