

KVA	а	b	
75	45.5	63.5	
150	49.5	63.5	
225	51.5	66.5	
300	49.5	66.5	
500	51.5	66.5	
750	55.5	66.5	
1000	55.5	66.5	
1500	58.5	66.5	
2000	59.5 72.5		
2500	61.5 75.5		

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APPROVED BY:

NOLIN RECC

LINE DESIGN

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THREE PHASE TRANSFORMER INSTALLATION LAST REVISION

04/04/2023

A Touchstone Energy Cooperative

NOLIN

NOTES

- 1. All transformer locations must be approved by Nolin's Line Design Department prior to service installation.
- 2. All electric connections, equipment, and equipment grounds shall comply with the National Electrical Code.
- 3. The member shall furnish and maintain for the life of the electrical service all conduits, conduit straps, grounds, disconnects, meter base, and all conductors beyond Nolin's point of delivery.
 - In three phase applications, Nolin shall furnish the meter base.
- 4. Nolin shall furnish and maintain the meter.
- 5. Energizing of the member's service is contingent upon an approved State or City electrical inspection.
- 6. All underground electrical conduit must have pull string installed (150 lbs test min).
- 7. No more than two 90 degree elbows are allowed in one run of electrical conduit.
- 8. Electrical conduit shall not be heated to bend.
- 9. The concrete transformer pad shall sit on a 10" base of #57 rock.
- 10. The concrete mix for the transformer pad shall be a minimum of 3000 psi. The concrete pad shall contain one of the following reinforcement options:
 - Two 6" grids of 1/2" rebar layered within the concrete.
 - One 6" grid of 1/2" rebar in addition to fiber reinforcement added to the concrete mix.
- 11. Metering equipment stubout must be 1" rigid metallic conduit.
- 12. Metering equipment stubout must include a 1" bonding bushing installed in the secondary side of the transformer pad.
- 13. Refer to "Trench and Conduit Specifications" diagram (#12) for detailed requirements for trench and conduit.

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ENOLIN		THREE PHASE	LAST REVISION	
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MAIN OFFICE: 270-765-6153	NOLIN RECC LINE DESIGN	INSTALLATION	04/04/2025	