



ITEM	QTY.	MATERIAL
1*	1	Meter/disconnect combo, provided & installed by customer.
2	3	Mounting brackets with adequate fasteners.
3	2	2" Schedule 40 PVC elbow with minimum 24" sweep radius
4	As Req'd	Nonmetallic conduit for ground wire.
5	2	Ground rod, 5/8" X 8'-0 min. per NEC.
6	As Req'd	2" Schedule 80 PVC or Galv. rigid steel conduit above grade.
7	As Req'd	2" Schedule 40 PVC in trench to utility source.

* See City of Ames approved meter base list.

- If using a meter socket/disconnect combo, the grounding conductor should be connected in the socket combo. If a separate socket and external main disconnect is used then grounding conductor should be in the main disconnect, not both.
- Communication ground connections shall not be bonded to the meter socket.

CITY OF AMES
ELECTRIC SERVICES

REVISED: MEI 8/19/21

APPROVED:

200 AMP SINGLE PHASE
UNDERGROUND
RESIDENTIAL SERVICE

ELECTRIC METERING

EM704

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NOTES:

1. Obtain a permit from the City of Ames Inspections Department, located at City Hall, 515 Clark Ave.
2. Install the meter base and separate disconnect or combo on building.
3. The meter shall be installed outside and closest to the electric utility source. If you have any questions about the location of the meter base on the house, please contact the City of Ames Electric Meter Division at 239-5510.
4. Two (2) ground rods spaced six (6) feet apart shall be installed on all services. Place ground rods to the left or right of the meter socket, not directly in front. Grounding conductor shall be bonded to the ground rods, at the first main disconnect, and a metal water pipe. If the main disconnect is in the meter base then the grounding conductor shall be bonded at that point. All grounding conductor above grade shall be installed in nonmetallic conduit.
5. Conduit from the meter to the nearest electric utility source shall be provided and installed by the customer. Provide a conductor pull string in the conduit. Leave the conduit exposed in the trench for inspection. To verify the nearest electric utility source contact the City of Ames Electric Engineering Division at 239-5170.
6. Call the City of Ames Electric Meter Division after installation is complete for inspection and meter and service wire installation. The new service wire is provided by the City of Ames Electric Services.
7. For residential services greater than 200 Amps contact the City of Ames Electric Engineering Division at 239-5170.

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