



ITEM	QTY.	MATERIAL
1*	1	Meter base, provided & installed by customer.
2	1	Main disconnect switch.
3	As Req'd.	4" SCH 80 PVC or Galv. rigid steel conduit above grade.
4	As Req'd.	4" SCH 40 PVC or Galv. rigid steel elbow. (24" minimum radius)
5	1	Nonmetallic conduit for ground wire.
6	2	Ground rod, 5/8" x 8'-0 min. per NEC.
7	As Req'd.	4" SCH 40 PVC to electric utility source

* See approved meter base list - EM800

- If the meter base has a main disconnect, the grounding conductor shall be bonded in the meter base. Otherwise, it will be bonded to the main panel, not both. Communications ground connections shall not be bonded to the meter base.

CITY OF AMES
ELECTRIC SERVICES

REVISED: MEI 6/20/17

APPROVED:

COMMERCIAL SERVICE
SINGLE PHASE
600 AMP & BELOW
DIRECT METERED

ELECTRIC METERING

EM705

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NOTES:

1. Obtain a permit from the City of Ames Inspection Division, located at City Hall, 515 Clark Ave.
2. The meter shall be installed outside at a location approved by the City of Ames Electric Meter Division (239-5510).
3. 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.
4. All commercial meter bases shall have a lever-operated jaw release style bypass for the full ampere rating of the meter base.
5. Service conductor is provided and installed in conduit by the customer. Conductors shall be sized per current NEC requirements.
6. After an approved inspection by the City of Ames Inspections Division contact the City of Ames Electric Distribution and Meter Divisions (239-5500) to request service conductor connection and meter installation.

CITY OF AMES ELECTRIC SERVICES	COMMERCIAL SERVICE SINGLE PHASE 600 AMP & BELOW DIRECT METERED	ELECTRIC METERING
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