



ITEM	QTY.	MATERIAL
1	1	Meter base, provided by City of Ames & installed by customer.
2	1	1 1/4" rigid conduit.
3	1	42"w x 36"h x 12"d CT cabinet with hinged door.
4	1	Main disconnect switch.
5	As Req'd.	4" Galv. rigid steel conduit.
6	As Req'd.	4" Galv. rigid steel elbow. (24" minimum radius)
7	As Req'd.	Nonmetallic conduit for ground wire.
8	2	Ground rod, 5/8" x 8'-0 min. per NEC.

\*Note: Items 2 through 8 supplied and installed by owner.  
See page 2 for other notes.

<b>CITY OF AMES ELECTRIC SERVICES</b>  REVISED: MEI 6/20/17  APPROVED:	<b>800 AMP AND GREATER 3 PHASE CT METERED COMMERCIAL SERVICE</b>	ELECTRIC METERING
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**NOTES:**

1. Obtain a permit from the City of Ames Inspections Department, located at City Hall, 515 Clark Ave.
2. Pick up a meter socket from the City of Ames Electric Meter Division located at 2208 Edison Street.
3. Two (2) ground rods spaced six (6) feet apart shall be installed on all services. Place ground rods to the left or the 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. All grounding conductor above grade shall be installed in nonmetallic conduit.
4. Service conductor is provided and installed in conduit by the customer. City of Ames Electric Distribution Division will connect the service at the transformer.
5. Three phase services shall be marked with electrical tape. 1, 2, 3 left to right, front to back or top to bottom. Use one ring of tape for phase 1, two rings of tape for phase 2, and three rings of tape for phase 3.  
Do not use green, black, or white tapes to mark phases.
6. For delta services, the wild leg shall be on the right at the meter base and in the middle at the service equipment.
7. The CT cabinet shall have minimum dimensions of 42"w x 36"h x 12"d with one hinged door to house up to three sets of conductor. If more than three sets of conductor will be used contact the City of Ames Electric Engineering Division at 239-5175. Conductor or CT's shall not touch the door when closed.
8. "Donut-style" CT's will be provided by the City of Ames Electric Meter Division and installed by the customer. CT's will be installed prior to the disconnect. CT wiring will be installed and connected by City of Ames Electric Meter Division.
9. All meters shall be located outside.

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