

Specifications for Residential Overhead Electric Service Installation

This brochure addresses most typical residential overhead service installations. Variances for the following specifications must be approved in advance by Ameren Missouri. If you have any questions, please contact your Ameren Missouri Representative at the number listed on the back of this brochure, or call 1-866-992-6619 or visit us at BuildWithAmeren.com.



CALL 1-800-344-7483 (DIG RITE) BEFORE DIGGING

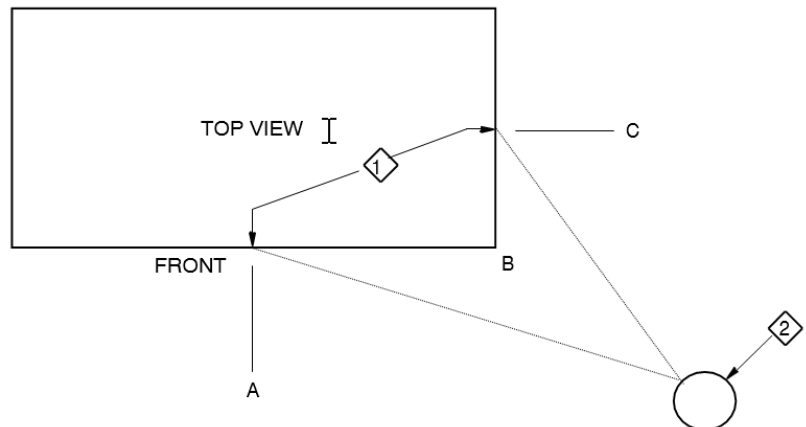
To ensure your new overhead electric service is installed in a safe, reliability and timely manner, the following specifications must be met. Failure to meet any of the requirements may cause a delay in receiving service and / or require the relocation of facilities.

Please check with your local inspection authority for any additional requirements before installation.

LOCATION FOR POINT OF DELIVERY ON BUILDINGS (ASM Figure 200-3B)

CONSTRUCTION NOTE(s): (ASM Section 200 and Figure 200-3B)

1. In Missouri, an approved location for the point of delivery to a customer's premises will normally be within 10' of nearest corner front or side of the home if proper clearance can be maintained to the service connection on the front or side of the home where possible.
2. The service may be located anywhere between A and B or B and C observing clearance requirements from windows, chimneys, driveways, trees, etc. outlined in **ASM Figure 600-6** and **ASM Section 200.01**.
3. In Ameren Missouri, distribution point from Ameren System may be overhead or underground.
4. Applicable charges are governed by State tariffs. Contact your local Ameren Representative for an explanation of charges that may apply.
5. Meter base shall be securely attached to home 54" min to 66" max above finished grade from center of the meter. A minimum of 42" of clear working space shall be provided and maintained in front of all electrical equipment enclosures and 6" above, below, and to each side of the meter equipment, and 78" standing headroom. See meter location insert for additional details. See meter location below for additional details.



METER LOCATION (ASM Section 200.01)

CONSTRUCTION NOTE(S): (ASM Section 200.01)

1. The customer shall provide a suitable place for the installation of metering equipment.

a) The equipment shall be installed on the outside wall of the customer's building or approved metering structure and be so located that adequate space and unobstructed access is provided to the Company's Representatives for reading, testing, maintaining, and exchanging of such equipment.

b) In flood areas, a permanent ladders or stairways shall be provided by the customer to meet OSHA requirements, and meet the latest NEC, at no cost to Ameren, when Ameren's equipment is located on platforms, balconies, mezzanine floors, roofs, or other hard to reach area as specified by Ameren as defined in **ASM Section 100**.

c) The customer shall consult the Company regarding the proper location of the equipment.

2. Metering equipment shall not be located on Company owned poles or on buildings adjacent to driveways, alleys, streets, or other similar exposed places where it can be damaged by moving vehicles unless the equipment is protected by a substantial guard rail or posts. The customer shall consult the Company Representative regarding providing adequate protected barrier.

Nor shall any portion of the metering equipment be located below, above, or within:

a) 3' radius of a gas regulator relief vent associated with a gas meter set as shown in **ASM Figure 200-4** (with noted exceptions). For more details refer to the National Fuel Gas code.

b) 6' to any electric motor, generator, belt, or other moving machinery

c) Other hazards which would endanger the safety of those reading or working on metering devices.

d) Location must also satisfy NEC Article 110.26, clear working space around meter, as described below in **ASM Section 200.01.3** and illustrated in **ASM Figure 200-4**.

3. Clear working spaces shall not be used for storage.

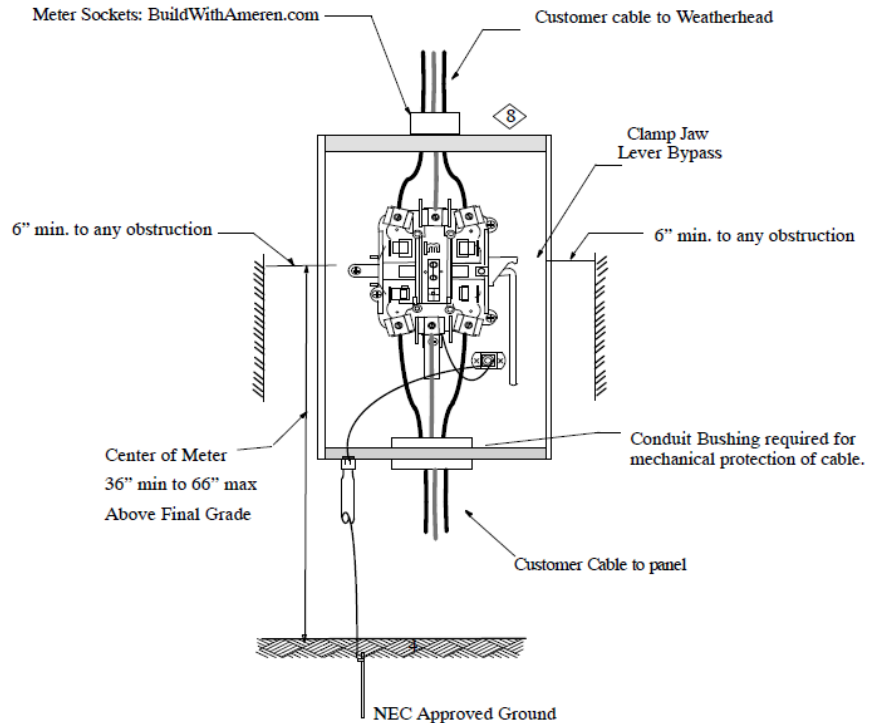
a) A minimum of 42" of clear working space shall be provided in front of all electrical equipment enclosures.

b) There shall be a minimum working clearance of 6 in. above, below, and to each side of the metering equipment.

4. Metering equipment shall not be mounted on portable trailers, buildings, mobile home or manufactured (modular) homes, recreational trailers, or truck trailers; unless the manufactured (modular) home meets the conditions stated in the latest NEC.

5. Metering equipment must be installed in a workman like manner and firmly attached to the surface on which it is mounted.

6. All locations where metering equipment is installed shall have a minimum standing headroom of 78".



CONSTRUCTION NOTE(s) (ASM Section 200.01):

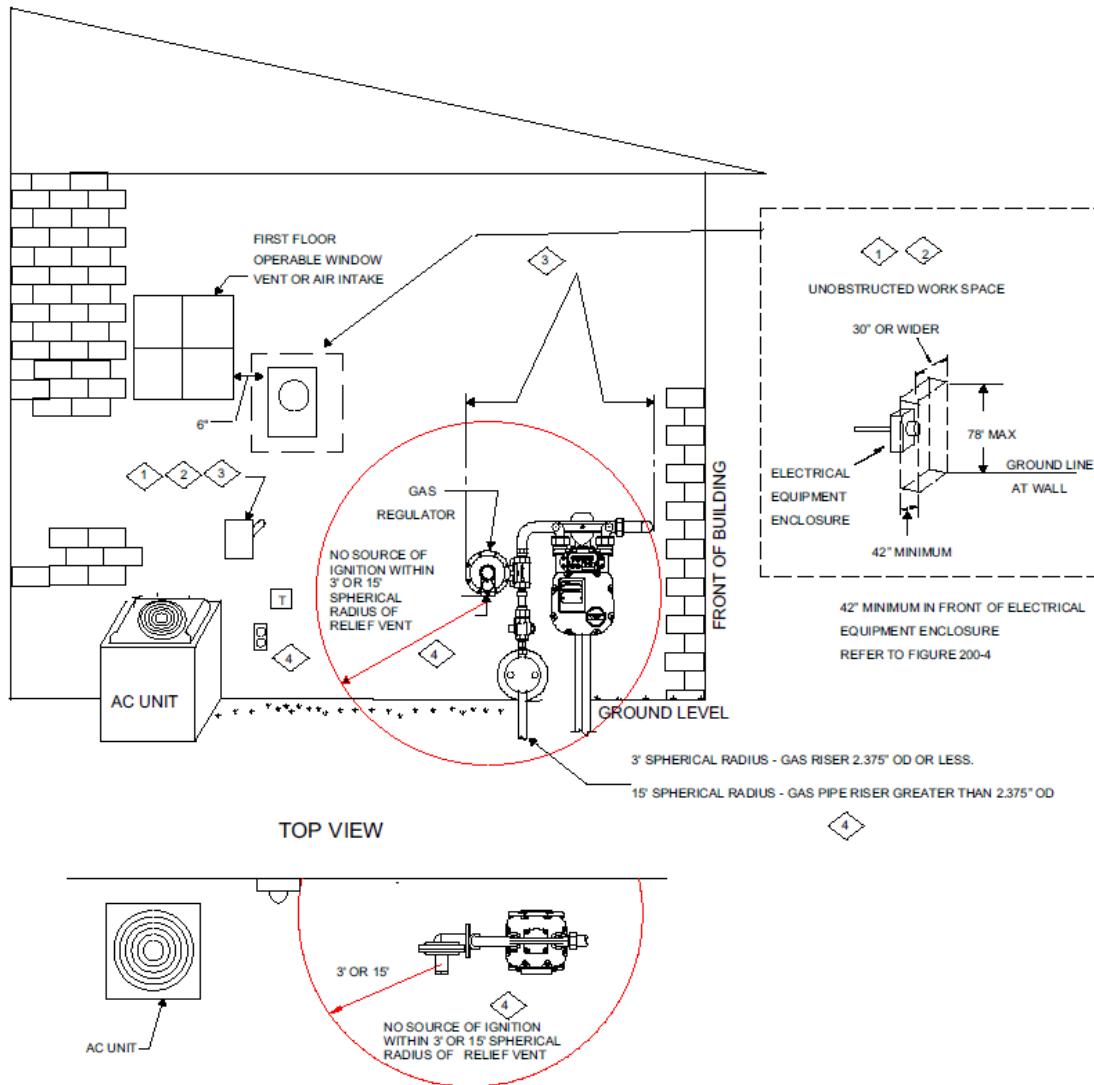
7. At locations where more than one meter is installed on any structure, the customer shall permanently mark all meter sockets and associated service equipment to identify the area and full street address for which each is installed. The location of the tenant is to match the identification of the premises or panel. Such marking must be made with metal letters, engraved plate, or other permanent methods with permanent adhesive. Any marking with stickers or sharpie will not be allowed.
8. The meter socket shall be secured to solid wood and use #14 x 3 in. wood screws or stainless-steel screws. In brick, use expansion shields and lag screws. No drywall screws accepted.
9. If meter is subject to mechanical damage, vehicular traffic, or presents hazard to the public, the customer / contractor shall install protective barrier.
10. Ground slope at wall shall not exceed 4" in 12" in any direction.
11. Meters shall be mounted outdoors unless special permission has been granted for indoor mounting by Ameren.
12. Center of the meter glass shall be at a height of 54 in. to 66 in. above grade.

Exceptions:

- A. When a meter base is over walkways less than 36 in. wide or in areas where flooding occurs, the center of the meter glass can be 78 in. above walking surface.



ELECTRICAL AND GAS EQUIPMENT LOCATION ON SIDE OF HOUSE OR COMMERCIAL BUILDING (ASM Figure 200-4)



CONSTRUCTION NOTE(S) (ASM Figure 200-4):

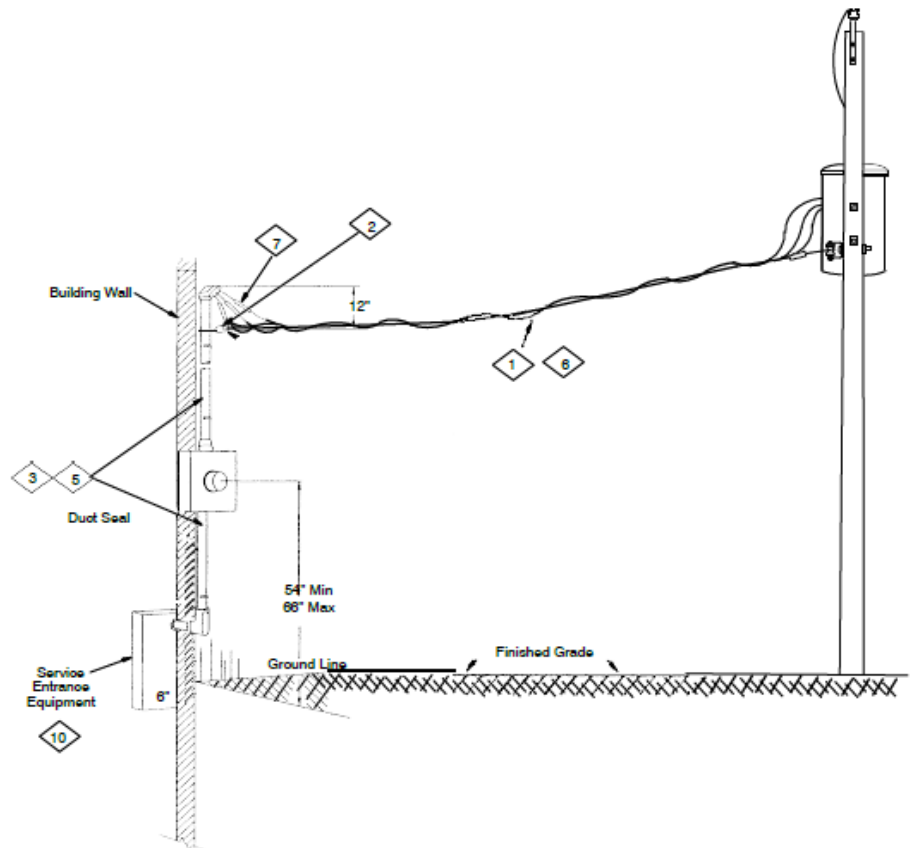
1. Depth of working space in front of energized electrical equipment shall not be less than 42" per NEC 110.26 A (1).
2. Width of working space in front of energized electrical equipment shall be the width of the equipment or 30", whichever is greater and shall permit the opening 90 degree opening of equipment doors or hinged panels per NEC 110.26 A (2).
3. Height of Working Space shall extend from the grade, floor, or platform to a minimum of 78" per NEC 110.26 A (3). Further clarification: No electrical equipment such as but not limited to metering equipment, disconnects, and solar inverters shall be located above or below fixed objects such as but not limited to gas meters, air conditioners, and standby generators.
4. No source of ignition from electrical equipment such as but not limited to metering equipment, disconnects, receptacles, and solar inverters shall be located within a 3 ft. spherical distance from the Gas Relief Vent on Gas Pipe Risers with 2.375" OD or less as measured on bare pipe. For Gas Pipe Risers with greater than 2.375" OD as measured on bare pipe, the required spherical distance is 15 ft. Refer to **National Fuel Gas Code 5.14**, Ameren Gas O & M Plan, and American Gas Association Catalog # XL1001.



TYPICAL PERMANENT SERVICE DROP (ASM Figure 600-1)

CONSTRUCTION NOTE(s): (Figure 600-1)

1. Overhead service drops and the connections at each end of the service drop (service clamp or chicken catcher) will be owned, installed, and maintained by Ameren.
2. In Missouri, service attachment hardware is provided by Ameren and installed by customer. **See ASM Figure 600-2.**
3. The weatherhead service raceway or conduit, service entrance conductors, service knob attached to the house, grounding electrode system, meter socket, and service entrance equipment will be installed, owned, and maintained by the customer. This installation shall meet the requirements of the latest edition of the National Electrical Code (NEC) or the requirements of the Authority Having Jurisdiction.
4. Grounding shall meet the requirements of the latest edition of the National Electrical Code (NEC) or the requirements of the Authority Having Jurisdiction.
5. Refer to **ASM Section 200 and Figures 200-1, 200-3, and 600-6** for details regarding the location, installation, and placement of customer owned facilities.
6. For maximum residential service drop length, see **ASM Figure 600-2, Note 4**. For the maximum lengths of commercial overhead services, contact your local Ameren representative. Large service sizes, uneven grades, or a combination of these may require reduced service lengths or additional poles to maintain the required ground clearances. Additional charges may apply. Clearance requirements are outlined in **ASM Section 800** of this manual.
7. Service entrance conductors will extend approximately 3 ft from the weatherhead.
8. If the installation is an instrument rated installation, refer to **ASM Section 1001** for additional information.
9. Service entrance cable (type SE) consisting of a multiconductor assembly provided with an overall covering is permitted for use as a service riser and / or between the self-contained meter socket and main service disconnect.



GROUNDING (ASM 500.01)

All **standard services** that operate below 1000 volts as defined in **ASM Section 400** shall contain a grounded neutral conductor.

A **non-standard** service that operates below 1000 volts as defined in **ASM Section 400** may have a grounded phase conductor used as a circuit conductor in the system.

The grounded neutral or grounded phase conductor is earth grounded at the utility transformer and is extended to the self-contained meter socket, CT enclosure, meter disconnect, and to each service disconnect in accordance with the latest edition of the NEC.

If a customer chooses to secure/protect the grounding electrode conductor in conduit, this conduit shall be dedicated solely for this purpose.

Customers requiring an ungrounded service for operations as permitted by the NEC shall submit an exception request detailing the special circumstances necessitating the request. In addition, the customer shall state in the exception request that they are aware of and accept the increased risks of personal safety associated with an ungrounded service. Customers who receive an ungrounded service from the Company **MUST INSTALL** ground-fault detection sensing equipment on the load side of the main overcurrent protective device(s) (e.g., Erickson ground-fault detection equipment). When supplying an ungrounded service result in an additional cost to the Company, this may be passed on to the customer.

For electric service installations where galvanized steel RMC, aluminum RMC, or galvanized steel EMT is used on the supply side of the main service disconnect, bonded bushings or threaded hubs shall only be used at one end of the conduit to prevent appreciable circulating currents from flowing on the equipment enclosures. An exception to this would be when using metallic conduit for protection of the grounding electrode conductor. In this case, the NEC requires bonded bushings on both ends of this metallic conduit to prevent causing a high impedance path or inductive choke.

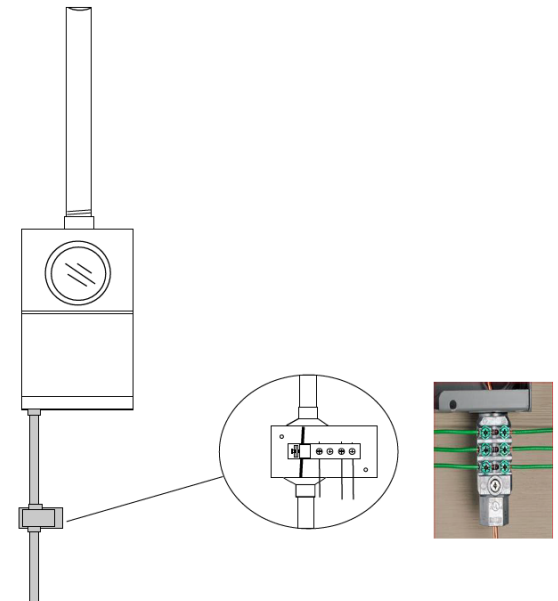
Inter-System Bonding

(Refer to ASM Figure 500-1)

The National Electrical Code requires in most situations an inter-system bonding termination to be made between the electrical system and other communication/broadband (CATV) systems located external to the main service disconnect, CT enclosure, or self-contained meter socket to minimize the potential differences between equipment of different systems. This inter-system bond shall not be attached to the meter socket, meter socket lid, or CT enclosure.

This connector must be listed for the intended purpose and solidly affixed to the premises wall or other substantial premises structure

TYPICAL INTER-SYSTEM BONDING
FIGURE 500-1



GROUNDING METHODS

(ASM Section 500.03)

These notes relate to the drawings found in the Grounding ASM Section 500.

1. The grounding method drawings are schematic in nature. Actual wiring details will vary between equipment and manufacturer.
2. The details shown in these drawings are not a substitute for an understanding of the grounding and bonding requirements of the NEC and the requirements of the Authority Having Jurisdiction for the area the work is taking place.
3. Ameren requires, on most installations, an external grounding electrode to be electrically connected to the case and grounded conductor for self-contained meter sockets, meter disconnects, and CT enclosures that are mounted outdoors.
 - This electrode may act either as the sole or supplemental electrode for the service equipment associated with the premises. Installation and material used for the Ameren required external grounding electrode must meet all NEC requirements for size, material, and installation. If an external grounding electrode system is connected in an outdoor location at the self-contained meter socket or CT enclosure provided by the customer to meet NEC grounding requirements, then this grounding electrode system will also meet Ameren's requirement for an external grounding electrode.
 - Where other electrodes are available inside a premises, these become the grounding electrode system and **MUST NOT** be connected to the driven outside electrode that terminates within the self-contained meter socket, meter disconnect, or the CT enclosure, **EXCEPT** via the grounded (neutral) conductor. This wiring method will ensure that normal neutral currents **WILL NOT** flow on equipment grounding conductors. This method is allowed by the NEC where certain conditions are met. Reference the latest **NEC 250.142(A)** for use of the grounded circuit conductor for equipment grounding.
 - Where the customer has a main service disconnect within 10 feet and in sight of the Ameren self-contained meter socket or CT enclosure, connection of an external grounding electrode system to the main service disconnect is acceptable in lieu of landing in the utility metering equipment.
4. For a location where metering CT or CT/PT instruments are mounted inside customer owned switchgear, the grounding electrode conductor(s) is terminated inside the switchgear. The outdoor meter socket is grounded only by the equipment ground provided in the 11-conductor meter cable (Missouri).
5. Exceptions to the grounding methods found in **ASM Section 500** must be approved by Ameren Engineering prior to construction.



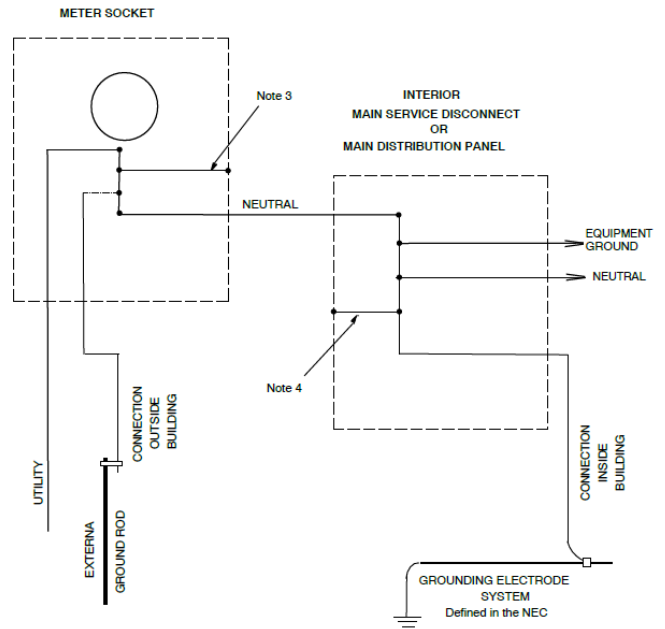
SINGLE-PHASE AND 3-PHASE SELF-CONTAINED METERING LESS THAN 480 VOLTS (ASM Figure 500-2 & Figure 500-3)

1Ø AND 3Ø SELF-CONTAINED METERING LESS THAN 480 VOLTS Option 1 - INTERIOR MAIN SERVICE DISCONNECT

CONSTRUCTION NOTE(S): (ASM Figure 500-2)

1. Refer to **ASM Section 500.03**.
2. If an external grounding electrode system is connected in an outdoor location at the self-contained meter socket provided by the customer to meet NEC grounding requirements, then this grounding electrode system will also meet Ameren's requirement for an external grounding electrode.
3. Bonding jumper between neutral and case.
4. **MAIN** bonding jumper between neutral and case.

1Ø AND 3Ø SELF-CONTAINED METERING LESS THAN 480 VOLTS
Option 1 - Interior Main Service Disconnect
Figure 500-2

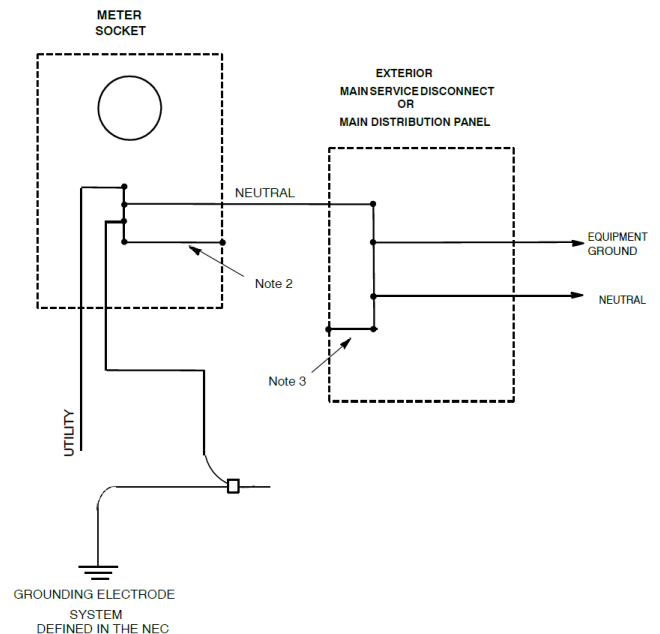


1Ø AND 3Ø SELF-CONTAINED METERING LESS THAN 480 VOLTS OPTION 2 - EXTERIOR MAIN SERVICE DISCONNECT

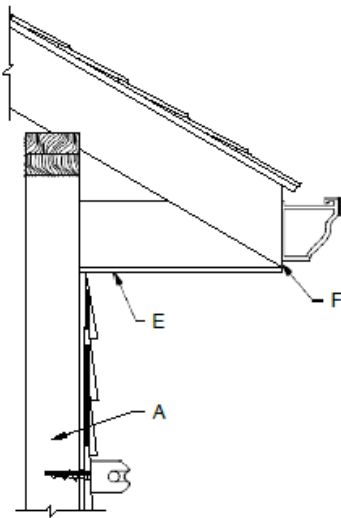
CONSTRUCTION NOTE(S): (ASM Figure 500-3)

1. Refer to **ASM Section 500.03**.
2. Bonding jumper between neutral and case.
3. **MAIN** bonding jumper between neutral and case.

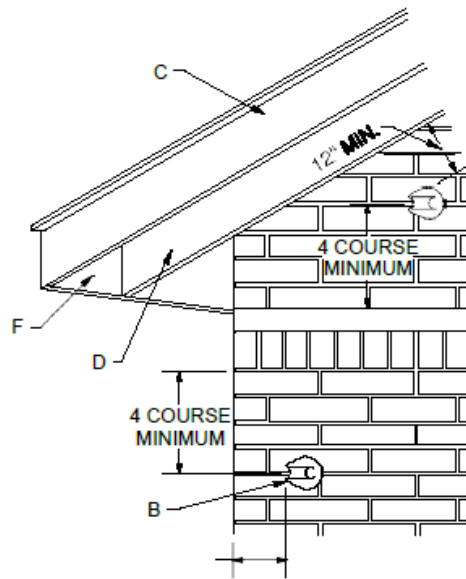
1Ø AND 3Ø SELF-CONTAINED METERING LESS THAN 480 VOLTS
OPTION 2 - EXTERIOR MAIN SERVICE DISCONNECT
Figure 500-3



SERVICE SPECIFICATIONS – OVERHEAD SERVICE ATTACHED TO BUILDINGS (ASM Figure 600-7)



Frame-Composition Shingle or
Brick Veneer Construction



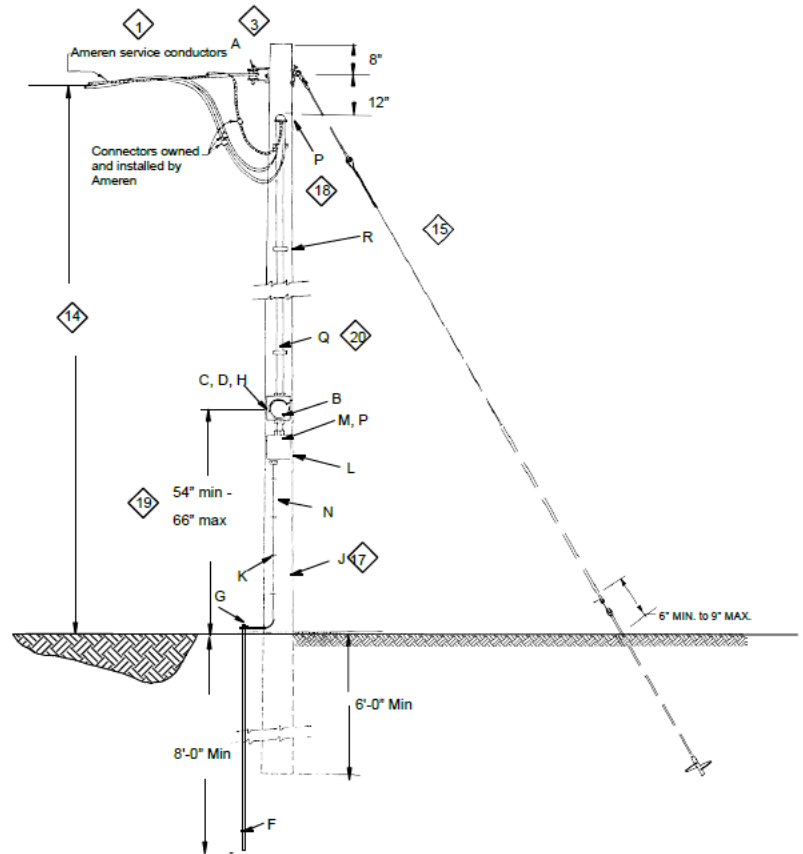
Brick or Solid Masonry Construction

ITEM	DESCRIPTION	ACCEPTABLE/ UN-ACCEPTABLE POINT IF ATTACHMENT
A	Building Studs	Acceptable
B	Mortar Joints	Acceptable
C	Outside Trim Board	Attachment allowed only if adequately reinforced
D	Inside Trim Board (Brick Building)	Attachment allowed only if adequately reinforced
E	Soffit Board	Attachment allowed only if adequately reinforced
F	Fascia Board	Un-Acceptable
G	Fire Walls, Parapet Walls or Chimneys	Un-Acceptable

CUSTOMER OWNED – PERMANENT OVERHEAD METER POLE INSTALLATION: 100, 200, OR 320 AMPERES CONTINUOUS / 400 AMPERES MAX (ASM Figure 600-5)

CONSTRUCTION NOTE(S): (ASM FIGURE 600-5)

1. Service drop conductors, grips and connectors are provided, installed, and owned by Ameren.
2. See **ASM Figure 600-2** for maximum length of residential service drop. For all other services contact Ameren for maximum service lengths. Reduced distance or higher attachment point may be required for large service or to maintain minimum clearances.
3. In Missouri, service attachment hardware is provided by Ameren and installed by customer.
4. Service entrance conductors to be connected to meter socket terminals by Customer. Service entrance conductors to extend a minimum of 36 in. or longer if required by local Authority Having Jurisdiction, outside the weatherhead for connection to service drop.
5. Service raceway and service entrance conductors to be owned, maintained, and installed by Customer.
6. Customer's installation to meet the requirements of all applicable local codes as well as the NEC.
7. Grounding shall meet the requirements of the latest edition of the National Electrical Code (NEC) or the requirements of the Authority Having Jurisdiction (AHJ).
8. Insulated conduit bushings are required for raceways terminating in the meter socket.
9. The use of flexible metallic conduit, liquid tight flexible metallic conduit, or liquid tight flexible non-metallic conduit for service riser mast is prohibited unless approved by the local Authority Having Jurisdiction (AHJ).
10. Liquid tight flexible non-metallic conduit is permitted between the self-contained meter socket and the main service disconnect where contoured surfaces or obstruction(s) exist.
11. Service entrance cable (type SE) is permitted for use as a riser or between the self-contained meter socket and main service disconnect.



NOTE	ITEM	DESCRIPTION (FIGURE 600-5)	QTY
MATERIAL INSTALLED AND OWNED BY AMEREN			
	B	Meter	1
MATERIAL INSTALLED AND OWNED BY CUSTOMER			
3	A	Clevis - Secondary	1
	C	Lock nuts	1
	D	Insulated Bushings	1
	F	Rod - Ground ½ in. x 8 ft	1
	G	Clamp - Ground ½ in.	1
	H	Meter Socket, Clamp Jaw Lever Bypass, refer to BuildWithAmeren.com	1
17	J	Pole, 25 ft Class 5 (Minimum) - New	1
	K	Staple	#
	L	Main Service Disconnect	1
	M	Nipple	1
	N	Ground Wire	#
	P	Entrance Cap	1
	Q	Conduit or Cable	#
	R	Clamp - Conduit or Type SE Cable	#
15	S	Guy and Anchor	1

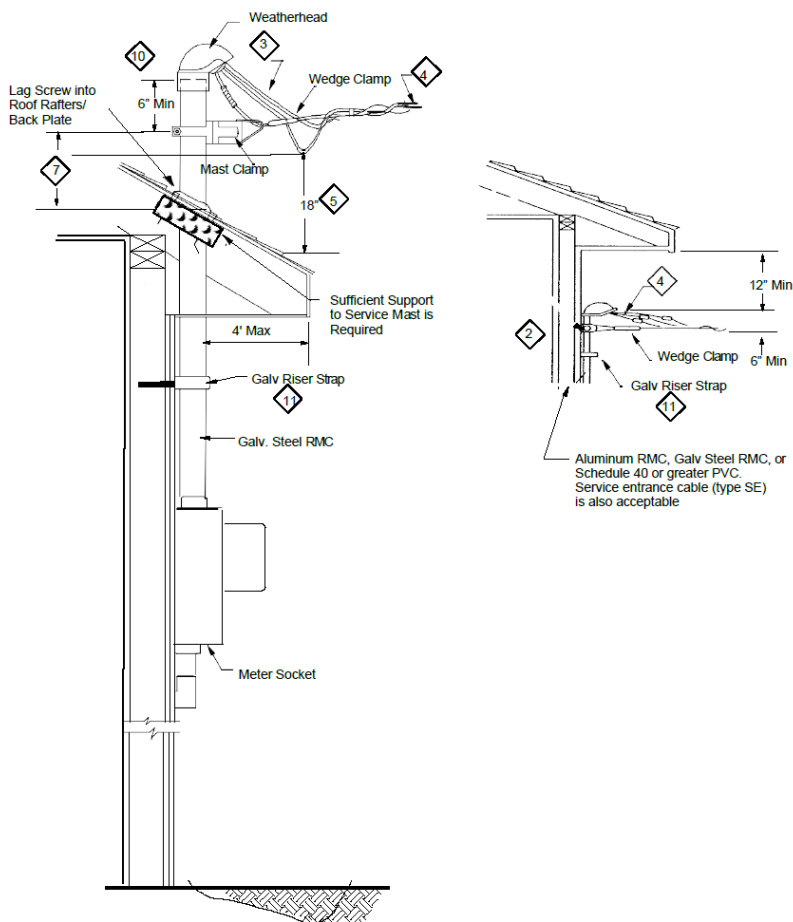


CUSTOMER OWNED – PERMANENT OVERHEAD METER POLE INSTALLATION: 100, 200, OR 320 AMPERES CONTINUOUS / 400 AMPERES MAX (ASM Figure 600-5)

CONSTRUCTION NOTE(S): (ASM FIGURE 600-5)

12. The use of electrical grade schedule 40 or 80 PVC for service mast, if it is not supporting service drop is allowed unless prohibited by the local Authority Having Jurisdiction (AHJ).
13. Customer to provide and install support for service attachment and meter socket.
14. Refer to **ASM Section 800** for required clearances.
15. When conductor tension exceeds the holding capacity of the pole, customer is required to install down guy and anchor of sufficient strength, and guy lead length to be same as service attachment height.
16. If customer installs a yard light on this pole, such yard light shall maintain a clearance to Ameren service conductors of not less than 24 in.
17. Meter pole provided by customer must have a tag or brand stating pole height, pole class and type of treatment at 6 ft above embedded depth.
18. Riser mast clamp must be within 6" of weatherhead.
19. When a meter base is over walkways less than 36 in. wide or in areas where flooding occurs, the center of the meter glass can be 78 in. above walking surface.
20. Riser mast clamp must be 30" or less apart.

MAXIMUM STANDARD SERVICE DROP ATTACHMENT HEIGHT TO GALVANIZED STEEL CONDUIT MAST (ASM Figure 600-2)



CONSTRUCTION NOTE(s) (ASM Figure 600-2):

1. Before installing electrical facilities, check for compliance with local codes as well as NEC.
2. The house knob screw shall be imbedded at least 2 in. into a vertical stud or masonry of the house. Another acceptable attachment such as clevis, bolt and backing plate may be substituted. If customer chooses to use mast clamp on conduit instead of house knob, then riser must be galvanized steel RMC. In Missouri, service attachment hardware is provided by Ameren and installed by customer.
3. Approximately 36 in. or longer of customer's conductor will extend from weatherhead.
4. Max services drop lengths: #2 triplex - 125 ft; 1/0 triplex and quadplex - 100 ft; 4/0 triplex and quadplex - 75 ft.
5. Where the service riser mast is not more than 4 ft from the edge of the roof and the service is terminated on the service riser mast, with voltage between conductors not exceeding 300 volts, the service drop(s) and drip loop(s) are permitted to be not less than 18 in. above the roof line when within 6 ft of the service mast
6. Refer to **ASM Section 800** for required clearances.
7. Heights greater than shown in Table are possible provided that adequate guying and support are provided and approved by Ameren.
8. The conduit size specified below are the minimum requirement for either conduit fill capacity or strength requirement to support the overhead service, whichever is greater. Service drops can only be attached to risers made of galvanized steel RMC.
9. Ranch style homes or buildings with flat roofs may require service masts to provide proper clearance. When through the roof service masts are installed, the customer assumes all responsibility for roof leaks. Service masts must be of adequate strength or be supported by brackets or guy wires to safely withstand the strain imposed by the service drop. This mast must be galvanized steel RMC. The attachment point must have sufficient height to meet clearance requirements found in **ASM Section 800**.
10. The service drop is not permitted to be secured to the mast between the weatherhead and a coupling that is installed above the roof penetration or the last point where the conduit attaches to the building.
11. Riser straps must be placed at
 - 1) One no more than 12 in. above the meter socket hub.
 - 2) Subsequent straps at no greater than 30 in. spacing all the way to the roof decking.
12. The roof support plate provides the main means of support for the mast. It shall be securely lagged to roof rafters. This can be accomplished by reinforcing underneath the roof decking with 2 in. X 6 in. wood material or by utilizing the following manufacturer roof support plate.

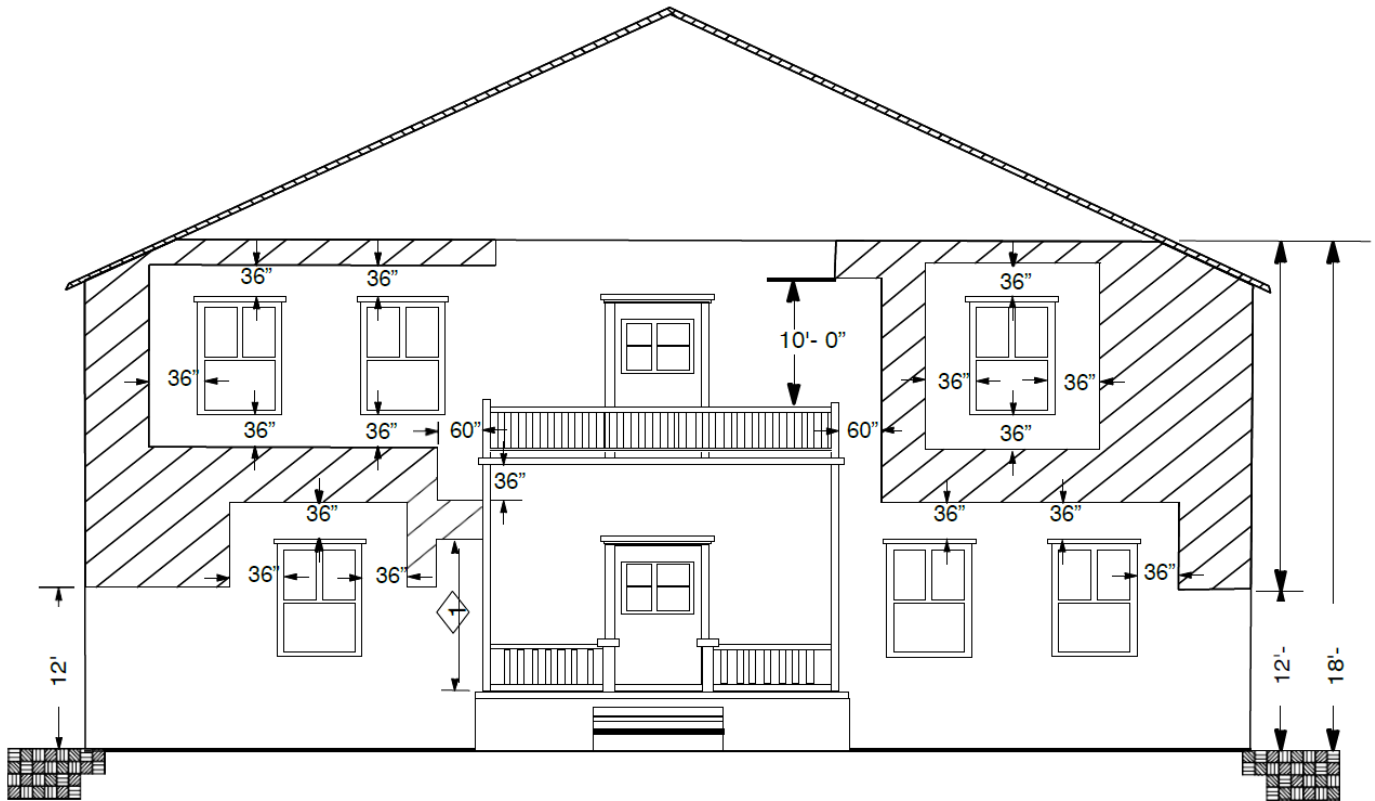
<u>Manufacturer</u>	<u>2 in. Conduit</u>	<u>2-1/2 in. Conduit</u>
PPC Insulators	7510	7511

Table - Maximum Attachment Height Above Roof (Note 8)

Amperes	Phase	Utility Supplied Service Drop	2 in. Galvanized Steel RMC	2 ½ in. Galvanized Steel RMC	3 in. Galvanized Steel RMC
100 A	1	#2 Al, Triplex	2 ft 2 in.	4 ft 1 in.	-
200 A	1	#2 Al, Triplex	2 ft 2 in.	4 ft 1 in.	-
200 A	1	1/0 Al Triplex	2 ft 2 in.	4 ft	-
200 A	3	1/0 Al, Quadruplex	-	4 ft	-
400 A	1	4/0 Al, Triplex	-	-	4 ft
400 A	3	4/0 Al, Quadruplex	-	-	4 ft



OVERHEAD SERVICE CLEARANCES FOR ATTACHMENT TO BUILDINGS 0 TO 600 VOLTS (ASM Figure 600-6)



CONSTRUCTION NOTE(S): (ASM Figure 600-6)

1. The point of attachment for service drop conductors shall be in the shaded spaces or higher. The minimum height of attachment is determined so that the lowest point of sag on the service drop meets NESC clearance requirements. A service mast may extend above the roof to meet minimum clearances. The point of attachment should be approved by Ameren and should not be located as to limit ladder access or crossing above deck, hot tub, spa, swimming pool, or stairwell.
2. Customer's weatherhead must be within 2' of the point of attachment for service drop and remain in shaded areas.
3. The point of attachment for a service drop may exceed 18' above groundline with the approval of the local Supervising Engineer. It is expected that alternative means such as utilizing a clearance pole or underground service would be used to maintain minimum clearances.
4. Ameren no longer provides triplex conductor or open conductor service busses on buildings. When opportunities present themselves, existing installations constructed in this manner should be eliminated.
5. Service conductors passing by doors, porches, fire escapes or similar locations shall have a clearance of not less than 36 in. Service conductors passing by windows shall have a clearance of not less than 36 in.
6. Service conductors shall not be installed beneath openings through which materials may be moved, such as openings in farm barn loft doors or commercial building openings. Overhead conductors shall run so they do not obstruct entrance to these building openings.



MATERIALS TO BE FURNISHED & INSTALLED BY CUSTOMER

Ameren will maintain a list of approved manufacturer's metering equipment catalog numbers. Ameren will assist the manufacturer in meeting these requirements by reviewing and commenting on designs and / or manufactured samples of metering equipment. Only metering equipment include in this list will be acceptable without prior approval from Ameren.

To obtain the latest catalog numbers for the Ameren Approved Metering Equipment List, please visit the website at BuildWithAmeren.com.

Failure by Customer / Contractor to comply with the requirements stated herein may lead to a delay in Ameren providing the requested service until metering equipment requirements are met. Other **ASM sections** pertain to mounting location, mounting heights, and other service requirements and give specific installation instructions. Depending upon your location, you may also need to obtain approval from your local AHJ.

CUSTOMER CHECKLIST

- Ameren Approved Meter Socket is installed? (Refer to BuildWithAmeren.com)
- Meter Socket is properly installed? (Refer to Location for Point of Delivery on Building (**ASM Figure 200-3B**), Meter Location - **ASM Section 200.01**)
- Meter Socket is properly grounded? (Refer to ASM Section 500)
- Permanent unobstructed workspace left in front of meter socket? (Maintaining a of 42" of clear working space in front of all electrical equipment enclosures and 6" above, below, and to each side of the meter equipment, and 78" standing headroom)
- Clear work area required around the Ameren Missouri pole and or secondary where the overhead service will attach.
- Customer wiring completed and inspected as necessary?
- Cost arrangements made and easements provided? (As required)

Ameren Missouri Work Request No: _____

Engineering Contact: Phone: _____

Construction Contact: Phone: _____

Thank you for letting Ameren Missouri serve your energy needs.



Construction and Engineering Services
Contact Us Via Email: ConstructionHotline@ameren.com
Phone: 866-992-6619
Monday – Friday 7:30-5:00
Visit us at: BuildWithAmeren.com

Ameren is committed to providing a quality reference guide that facilitates the planning and installation of electrical equipment in a safe and professional manner. The Electric Service Manual incorporates Company Metering Requirements, Standards, and language in Company filed Schedule of Rates for Electric Services. This manual serves as a supplement not a replacement for the National Electrical Code, National Electrical Safety Code, and any local authority guidelines. Qualified users of this manual should contact Ameren representatives for clarification of requirements and specifications. All electrical service wiring and equipment where Ameren owned conductors will be terminated, or that will contain Ameren owned metering equipment, shall be listed, and used for the intended purpose as defined in the NEC, and shall be approved by Ameren.

Call Before You Dig!

- Nationwide: 811
- Missouri (DIG-RITE): 800-DIG-RITE (344-7483) or www.mo1call.com

Customer Owned Underground Facilities

Underground facilities on a customer's premises that are owned by the customer are not located by DIG-RITE. These facilities may include but are not limited to water lines, septic systems, irrigation systems, underground wiring, and drainage systems. The customer is responsible for locating these facilities. Ameren will not be responsible for damage to facilities that are not properly located.

