



200 Electric Avenue Somerset, Ky 42501

P (606)-678-4121

New Barns, Garages and Other Similar Structures Electrical Service Steps for Members

Step 1: Contact Lake Cumberland Health Department to obtain correct septic permit releases. Visit <https://www.lcdhd.org> for details.

Step 2: Contact South Kentucky Rural Electric Cooperative (SKRECC) at 1-606-678-4121 to apply for new service.

- SKRECC Engineering Department will set up a time to review the new site to determine if any line extension or pole charges apply.
- SKRECC will allow up to 1000ft for traditionally constructed homes on a permanent foundation including double wide mobile homes at no line extension cost to the member.
- SKRECC will allow up to 300ft to Barns, Garages and other similar structures. Subject to the Notes below:
 - Overhead Line Charges beyond what SKRECC allows will be \$5.50/ft.
 - Underground line charges beyond what SKRECC allows will be \$4.75/ft.

Note 1: Member will be responsible for all costs associated with conduit and construction of the ditch to meet SKRECC specifications in all underground installations.

Note 2: All line extension fees and pole fees if applicable must be paid to SKRECC prior to commencement of activities to provided electrical service.

Note 3: SKRECC does not allow temporary services for Barns, Garages and other similar structures.

Note 4: Barns and Garages can have meter bases attached directly to the structure.

Step 3: Determine with an SKRECC staking engineer if the structure will be served from a meter pole, meter pedestal or attached to the structure.

- All installation types should follow the SKRECC specifications provided in this document.

Note 5: All material for installation and construction is the member's responsibility. SKRECC will set the utility pole for the member to attach the meter base to and make connections at the top of the pole. SKRECC will install three sticks of 2-½" schedule 80 conduit and weather head provided by the member at the utility pole for pedestal installations, pull wire not exceeding 200ft from the utility pole to the pedestal and make connections.

Step 4: Contact a local licensed electrician or pull a homeowners permit to wire the structure. Once the structure is wired, contact a local licensed electrical inspector to perform an inspection on the structure.

Note 6: Any required health department release stickers should be in the panel prior to inspection, if applicable.

Note 7: If the Structure is being served type is underground, SKRECC engineering team must inspect the ditch from the pole to the pedestal before backfilling it.

Step 5: Bring certificate of compliance paperwork from the licensed electrical inspector must be brought to your local SKRECC office and apply for permanent service.

- SKRECC will send a staking engineer to draw up appropriate job specifications for the job.
- SKRECC will send a construction team to build the job.

Step 6: Contact your local licensed electrical inspector to perform a final inspection.

**MUST HAVE PERMANENT HEALTH DEPT. STICKER,
AND PASSED ELECTRICAL INSPECTION**

200A - 2 1/2" Conduit
400A - 3" Conduit

All conduit and weatherhead furnished by member. Conduit on pole and weatherhead installed by SKRECC

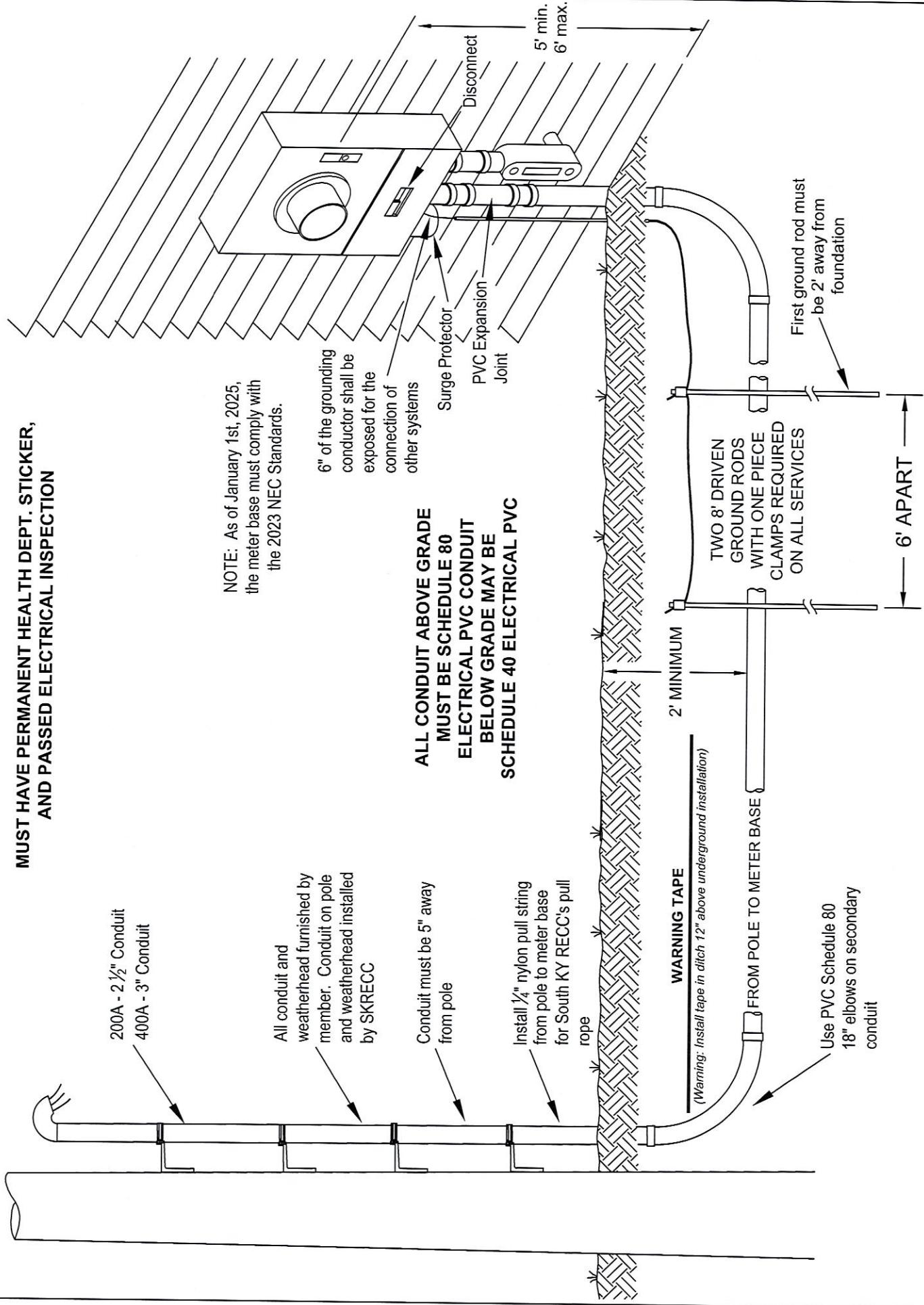
Conduit must be 5" away from pole

Install 1/4" nylon pull string from pole to meter base for South KY RECC's pull rope

NOTE: As of January 1st, 2025, the meter base must comply with the 2023 NEC Standards.

6" of the grounding conductor shall be exposed for the connection of other systems

**ALL CONDUIT ABOVE GRADE
MUST BE SCHEDULE 80
ELECTRICAL PVC CONDUIT
BELOW GRADE MAY BE
SCHEDULE 40 ELECTRICAL PVC**



SPECIFICATIONS FOR UNDERGROUND ELECTRIC SERVICE

1. The meter base must be approved for underground electric service. Bolt-In type meter bases cannot be used. The meter base must comply with the 2023 NEC Standard starting on January 1st, 2025. The meter base must have a disconnect means for the load side and surge protection.
2. The distance from the base of the transformer pole to the meter base shall not exceed 200 feet and be readily accessible.
3. The ditch shall be a minimum of 24-inches below finished ground level, and warning tape in the ditch must be placed 12-inches above the underground installation. SKRECC Engineering Department must inspect all ditches.
4. The member, developer, or electrical contractor shall dig, prepare, and fill the trench for the underground service.
5. The member, developer, or electrical contractor shall furnish and install all pipe, fittings (including weather-head), and a $\frac{1}{4}$ -inch nylon pull rope sufficient to pull our rope through the conduit for the underground service (rope to be installed after the pipe is glued so that the nylon rope is free to pull).
6. Conduit shall be installed with no more than two 90-degree conduit elbows. These elbows shall be 18-inch schedule 80 PVC. If more bends are needed, special approval must be granted by South Kentucky RECC. If the conduit has been installed in a manner so that the wire cannot be pulled, it will be the responsibility of the member to reinstall the conduit at their expense. Do not use the center bottom knockout on the meter base. Care must be taken when the ditch is backfilled to prevent rocks and other potentially damaging elements from being in contact with the conduit.
7. The conduit shall be installed in the ditch and one 90-degree sweep elbow turned up in such a way so that there is a distance of 5-inches between the back of the pipe and the face of the pole. The pipe shall then be capped so that water, dirt, etc., cannot enter the pipe. Do not install the pipe on the pole. Leave three 10-foot lengths of conduit and a weather-head at the pole for South Kentucky RECC personnel to install on the pole.
8. All 200 amp underground services require one run of 2 $\frac{1}{2}$ -inch PVC electrical conduit. For 400 amp services, one run of 3-inch PVC conduit is required. Schedule 80 is required for all conduit above grade and schedule 40 is allowed below grade. No plumbing pipe or fittings can be used.
9. See specification drawing *USP-1* for additional installation details.



SOUTH KENTUCKY RECC
SOMERSET, KENTUCKY

UNDERGROUND SERVICE
POLICY & SPECIFICATIONS

DATE

12/30/2024

DWG NO

USP-1

REV

5

SPECIFICATIONS FOR ELECTRIC SERVICE TO A PEDESTAL

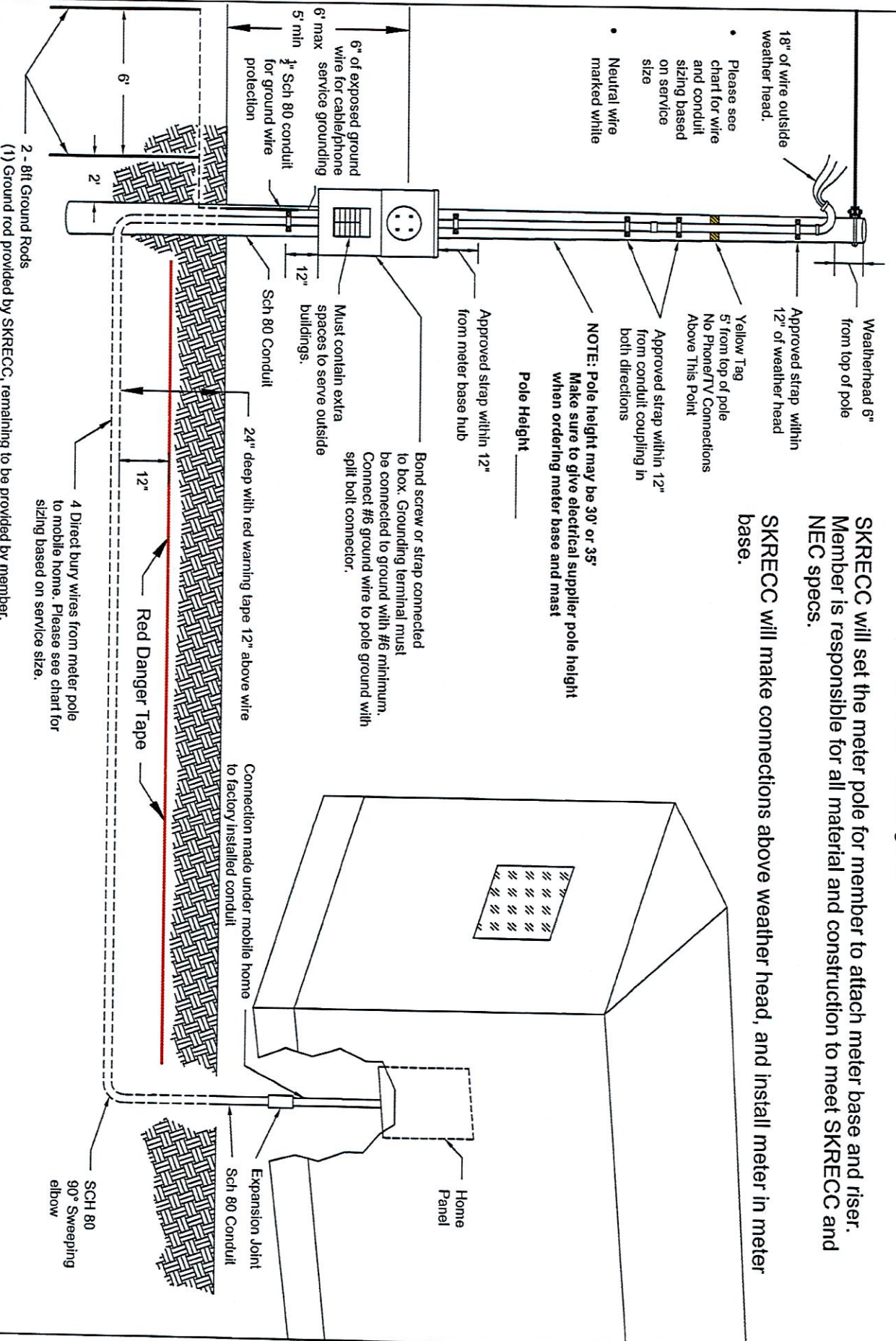
1. Any pedestal used must have minimum rating of 200 amperes. It must also have spare breaker spaces for accessory use. The meter base must comply with the 2023 NEC Standard starting on January 1st, 2025. The meter base must have a disconnect means for the load side and surge protection.
2. The pedestal service equipment must be:
 - a) Readily accessible.
 - b) Within sight of structure.
 - c) Located within 30-feet of the exterior of the structure, but not closer than 6-feet.
3. All pedestals must be post type (metal cabinet) rigidly supported using uni-struts or concrete.
4. Pedestals supported by uni-struts require two 4-foot x 1 5/8-inch uni-struts at finish grade level.
5. Pedestals supported by concrete must have 6-8 inches around the pedestal and at least 1-foot thick. Conduit must be stubbed out beyond the concrete (suggest spare conduit for future use).
6. There must be two 8-foot ground rods driven at the pedestal. Rods must be a minimum of 6 feet apart connected together with a continuous run of bare #6 copper wire back to the grounding lug located in the pedestal. If a 400A pedestal is installed, use bare #4 copper wire.
7. All maintenance and repair for the pedestal is the responsibility of the member.
8. The ditch shall be a minimum of 24-inches below finished ground level, and warning tape in the ditch must be placed 12-inches above the underground installation. An SKRECC staking engineer must inspect all ditches.
9. The member, developer, or electrical contractor shall dig, prepare, and fill the trench for the underground service.
10. The member, developer, or electrical contractor shall furnish and install all pipe, fittings (including weather-head), and a 1/4-inch nylon pull rope sufficient to pull our rope through the conduit for the underground service (rope to be installed after the pipe is glued so that the nylon rope is free to pull).
11. Conduit shall be installed with no more than two 90-degree conduit elbows. These elbows shall be 18-inch schedule 80 PVC. If more bends are needed, special approval must be granted by South Kentucky RECC. If the conduit has been installed in a manner so that the wire cannot be pulled, it will be the responsibility of the member to reinstall the conduit at their expense. Care must be taken when the ditch is backfilled to prevent rocks and other potentially damaging elements from being in contact with the conduit.
12. The conduit shall be installed in the ditch and one 90-degree sweep elbow turned up in such a way so that there is a distance of 5-inches between the back of the pipe and the face of the pole. The pipe shall then be capped so that water, dirt, etc., cannot enter the pipe. Do not install the pipe on the pole. Leave three 10-foot lengths of Sch. 80 conduit and a weather-head at the pole for South Kentucky RECC personnel to install on the pole.
13. All 200 amp underground services require one run of 2 1/2-inch PVC electrical conduit. All 400A services require one run of 3-inch PVC electrical conduit. Schedule 80 is required for all conduit above grade and schedule 40 is allowed below grade. No plumbing pipe or fittings can be used.
14. See specification drawing *MUS-1* for additional installation details.



NOTE: Must have permanent power release from health department and passed electrical inspection before turning on.

SKRECC will set the meter pole for member to attach meter base and riser. Member is responsible for all material and construction to meet SKRECC and NEC specs.

SKRECC will make connections above weather head, and install meter in meter base.



SOUTH KENTUCKY RECC
SOMERSET, KENTUCKY

Meter Pole Service

DATE

09/1/2026

DWG NO

MPS-1

REV

4

100- & 200-AMP Meter Pole Services

Service Size Table

Ampacity	Service Conductor Size Copper	Conduit Size	Service Conductor Size Aluminum	Conduit Size	Ground Wire Size
100 amp	No 4 USE, US, URD	1 ¼"	No. 2 USE, UF, URD	1 ¼"	No. 6
200 amp	No. 2/0 USE, UF, URD	1 ½"	No. 4/0 USE, UF, URD	2"	No. 6

1. The member is responsible for all costs associated with the construction and material for the meter base and service mask.
2. SKRECC will make connections to members wire outside the weather head and install a SKRECC meter in the meter base.
3. Types USE, UF, and URD cables are approved for direct burial in the earth.
4. Cables must be continuous from the meter pole to the mobile home, barn, garage etc. (No Splices).
5. Conduit riser, meter base, and disconnect panel must be securely fastened to the meter pole by approved straps and screws.
6. The meter base must be located at a maximum of 6 feet above finished grade and a minimum of 5 feet above finished grade.
7. Use rigid metal conduit or schedule 80 conduit for all above ground raceways.
8. Water pipe (PVC) cannot be used as a raceway.
9. Four insulated direct burial cables, sized in accordance with the chart above, must extend continuous (without splice) from the disconnect panel on the meter pole to the mobile, barn, garage etc.
10. Two 8-foot ground rods placed 2 feet from the pole and 6 feet apart must be installed. If a new pole has been installed, you will only need to drive one additional ground rod 6 feet from the pole. The ground rod must be connected by a continuous run of bare #6 copper wire from the ground rod to the meter base grounding lug and bonded with a split bolt connector to the pole ground. The ground wire must be protected above grade with ½ inch schedule 80 conduit with 6 inches of wire exposed before going into the disconnect box equipped with a utility grounding block to allow for other utility grounding.
11. The ditch from the pole to the structure must be 24 inches deep with red danger tape placed 12 inches above the wire in the ditch.
12. The meter service must be readily accessible, within site of the structure, no more than 30 feet away and no closer than 6 feet to the structure being served.
13. The meter pole service must have space for additional breakers for accessory buildings.
14. Service wires for overhead shall be marked sunlight resistant and the neutral wire marked white.
15. See specification drawing MPS-1 for additional installation details.

Note: Must have permanent health department release sticker and passed electrical inspection from a licensed electrical inspector prior to turn on.



SOUTH KENTUCKY RECC
SOMERSET, KENTUCKY

Meter Pole Service

DATE

09/1/2026

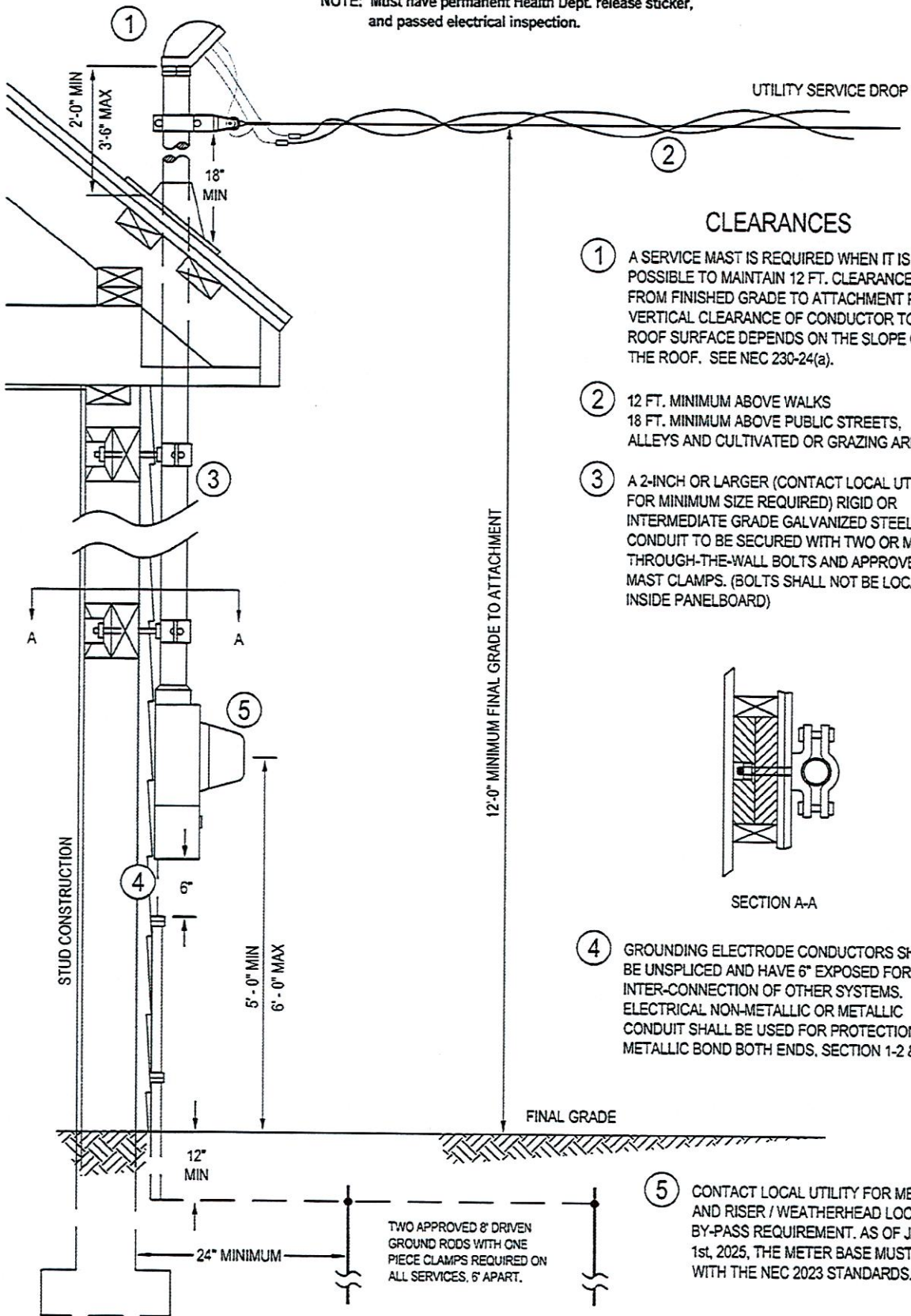
DWG NO

MPS-1

REV

4

NOTE: Must have permanent Health Dept. release sticker,
and passed electrical inspection.



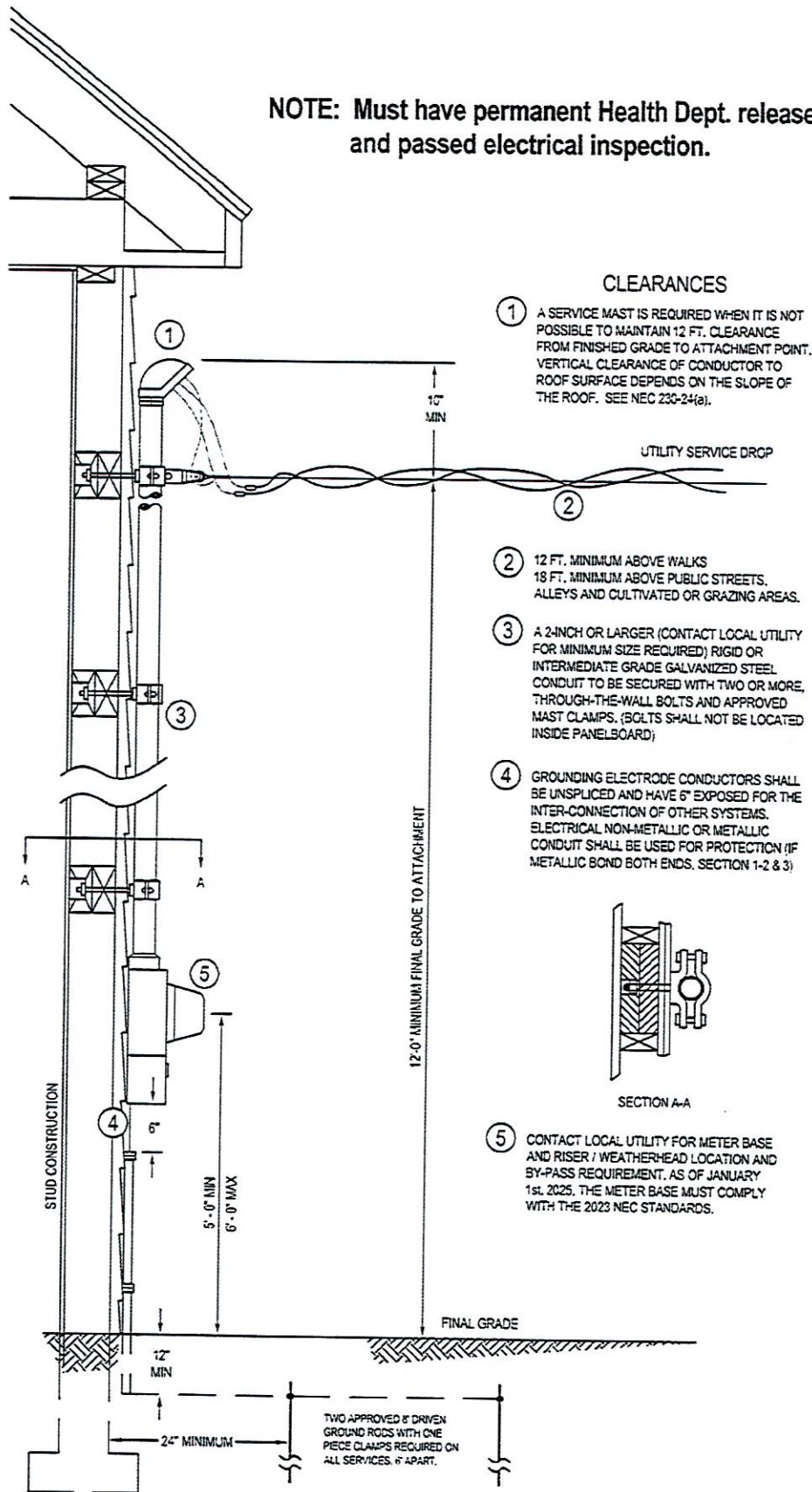
Residential Service Overhead (Through Roof)

- 1) The member is responsible for all costs associated with the construction and material for the meter base and service mask. The meter base must comply with the 2023 NEC Standards starting on January 1st, 2025. The meter base must have a disconnect means for the load side and surge protection.
- 2) SKRECC will attach a service drop to the service mask, make connections to members wire outside the weather head and install a SKRECC meter in the meter base.
- 3) Meter base must be on an exterior wall of the home and easily accessible.
- 4) The meter base must be mounted securely to the home at a height of 5 feet minimum and 6 feet max from ground level to meter socket.
- 5) The meter base must be grounded with two 8-foot ground rods connected with a continuous # 6 bare copper wire back to the meter grounding lug for 200AMP services. Note: use #4 bare Copper for 400AMP services.
- 6) Six inches of grounding conductor must be exposed below the meter base with a utility grounding block attached for use of the TV/Phone companies to ground too. The remainder of the grounding conductor must be enclosed in ½ inch schedule 80 conduit for protection to ground level. The schedule 80 conduit must be fastened to the exterior of the home with a minimum of two ½ inch approved straps.
- 7) The service mask must be constructed of 2-inch RMC or IMC at minimum for 200Amp. Size conduit and wire accordingly with NEC for larger services.
- 8) The service mask conduit must be secured with a minimum of two through-the-wall bolts for every 10 feet section. The first through-the-wall bolt must be located within 12 inches from the meter base and the second through-the-wall bolt must be located within 12 inches from the point where the conduit penetrates the soffit.
- 9) The service clamp must be located 10 inches below the weather head.
- 10) The minimum clearance from the service clamp to ground level must be 12 feet.
- 11) The conduit shall extend beyond the roof with a vertical minimum clearance of 2 feet and vertical maximum clearance of 3 feet 6 inches.
- 12) The service clamp must have a minimum vertical clearance of 18 inches from the roof line.
- 13) Three insulated conductors sized in accordance with the NEC required service size, and must have 24 inches hanging out of the weather head with the neutral conductor identifiable by white tape or other manufacturer markings.
- 14) Must have a passed yellow sticker, service inspection, from a licensed electrical inspector. Service stickers are good for 60 days to prepare for a final inspection.
- 15) The member is responsible for contacting a licensed electrical inspector approved for their area to set up a final inspection, the certificate of compliance must be brought to your local SKRECC office to change from Small Commercial rate to Residential, Farm and Non-Farm Service under Schedule A of SKRECC's published tariff.
- 16) See specification drawing RSO-1 for additional installation details.

Note: Must have a passed service inspection from a licensed electrical inspector and permanent power release from the health department.

 SOUTH KENTUCKY RECC SOMERSET, KENTUCKY	RESIDENTIAL SERVICE - OVERHEAD (THROUGH ROOF)	DATE	DWG NO	REV
		12/30/2024	RSO-1	5

**NOTE: Must have permanent Health Dept. release sticker,
and passed electrical inspection.**



SOUTH KENTUCKY RECC
SOMERSET, KENTUCKY

**RESIDENTIAL SERVICE - OVERHEAD
(BELOW ROOF)**

DATE
12/30/2024

DWG NO
RSO-2

REV
4

Residential Service Overhead (Below Roof)

- 1) The member is responsible for all costs associated with the construction and material for the meter base and service mask. The meter base must comply with the 2023 NEC Standard starting on January 1st, 2025. The meter base must have a disconnect means for the load side and surge protection.
- 2) SKRECC will attach a service drop to the service mask, make connections to members wire outside the weather head and install a SKRECC meter in the meter base.
- 3) Meter base must be on an exterior wall of the home and easily accessible.
- 4) The meter base must be mounted securely to the home at a height of 5 feet minimum and 6 feet max from ground level to meter socket.
- 5) The meter base must be grounded with two 8 feet ground rods connected with a continuous # 6 bare copper wire back to the meter grounding lug for 200AMP services. Note: use #4 bare Copper for 400AMP services.
- 6) Six inches of grounding conductor must be exposed below the meter base with a utility grounding block attached for use of the TV/Phone companies to ground too. The remainder of the grounding conductor must be enclosed in ½ inch schedule 80 conduit for protection to ground level. The schedule 80 conduit must be fastened to the exterior of the home with a minimum of two ½ inch approved straps.
- 7) The service mask must be constructed of 2-inch RMC or IMC at minimum. If PVC is used it must be schedule 80 and must be used in conjunction with a house knob for utility service drop connection. See specification drawing RSO-2 and RSO-3 for additional installation details.
- 8) The service mask conduit must be secured with a minimum of two through-the-wall bolts for every 10 feet section. The first through-the-wall bolt must be located within 12 inches from the meter base and the second through-the-wall bolt must be located 12 inches from the top of the conduit.
- 9) The service clamp must be located 10 inches below the weather head.
- 10) The minimum clearance from the service clamp to ground level must be 12 feet.
- 11) If joints of conduit are used to build the service mask, the service clamp cannot be connected to the service mask, in this case a house knob will need to be used as the point of attachment and must be located within 12 inches of the weather head.
- 12) Three insulated conductors sized in accordance with the required service size must have 24 inches hanging out of the weather head with the neutral conductor identifiable by white tape or other manufacturer markings.
- 13) Must have a passed yellow sticker "service inspection" from a licensed electrical inspector. Service stickers are good for 60 days to prepare for a final inspection.
- 14) The member is responsible for contacting a licensed electrical inspector approved for their area to set up a final inspection, the certificate of compliance must be brought to your local SKRECC office to change from Small Commercial rate to Residential, Farm and Non-Farm Service under Schedule A of SKRECC's published tariff.
- 15) See specification drawing RSO-2 and RSO-3 for additional installation details.

Note: Must have a passed service inspection from a licensed electrical inspector and permanent power release from the health department.



SOUTH KENTUCKY RECC
SOMERSET, KENTUCKY

RESIDENTIAL SERVICE - OVERHEAD
(BELOW ROOF)

DATE

12/30/2024

DWG NO

RSO-2

REV

4

NOTE: MUST HAVE PERMANENT HEALTH DEPT.
RELEASE AND PASSED ELECTRICAL INSPECTION.

- ① 12 FT. MINIMUM ABOVE WALKS
18 FT. MINIMUM ABOVE PUBLIC
STREETS, ALLEYS, AND CULTIVATED,
OR GRAZING AREAS
- ② POINT OF ATTACHMENT SHOULD NOT
BE FARTHER THAN 2 FEET FROM THE
WEATHERHEAD AND INSTALLED BY
THE ELECTRICIAN TO ATTACH UTILITY
SERVICE DROP.

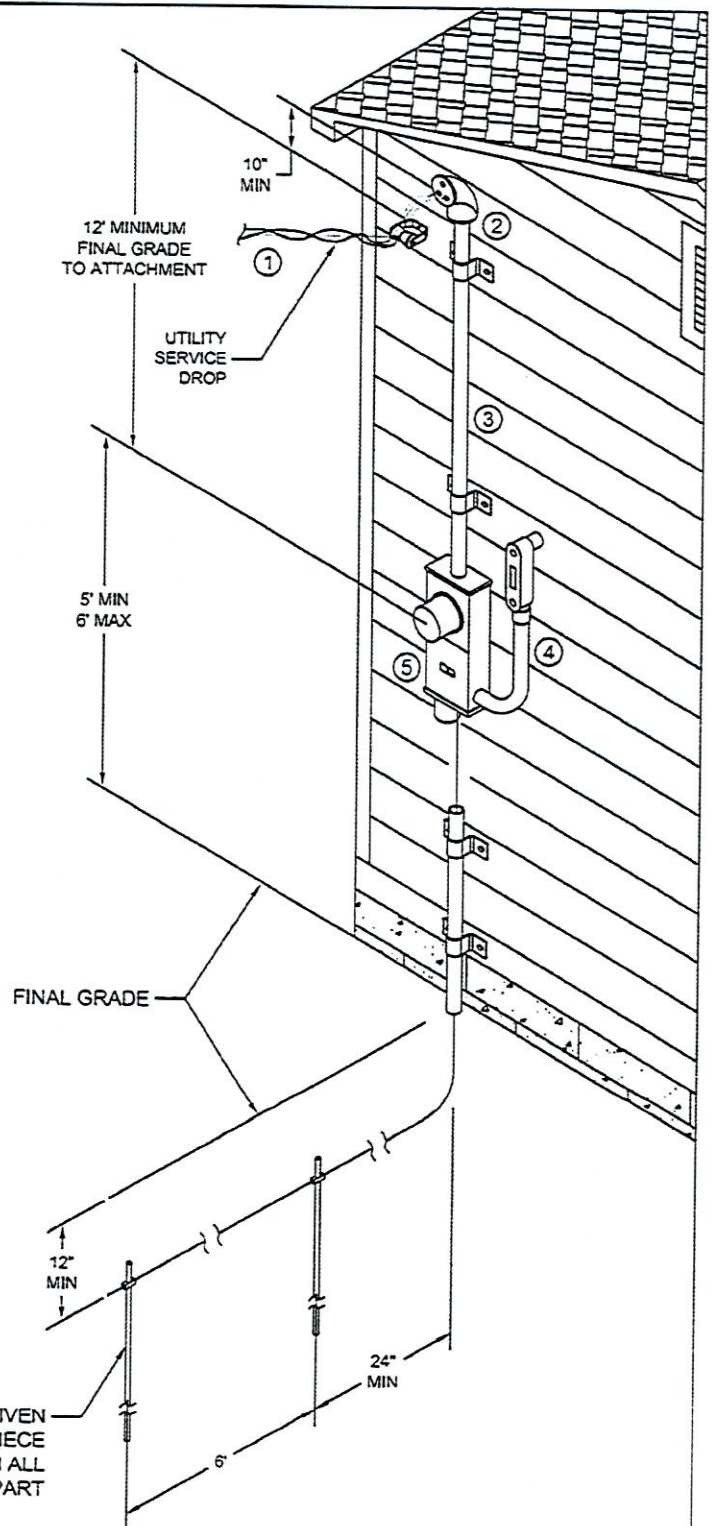
- ③ MINIMUM CONDUIT SIZE
SEE TABLES 8-C, 8-E, 8-F

FOR SINGLE FAMILY DWELLINGS ONLY				
AMP	COPPER	CONDUIT	ALUM.	CONDUIT
100	#4	1 1/2"	#2	1 1/2"
200	#2 / 0	1 1/2"	#4 / 0	2"

IF PVC IS USED, MUST BE SCHEDULE 80

- ④ GROUNDING ELECTRODE CONDUCTORS
SHALL BE UNSPLICED AND HAVE 6" EXPOSED
FOR THE INTERCONNECTION OF OTHER
SYSTEMS. ELECTRICAL NON-METALLIC
OR METAL CONDUIT SHALL BE USED FOR
PROTECTION. IF METALLIC, BOND BOTH
ENDS (SEE SECTION 4-1 & 3)
- ⑤ THE METER BASE MUST COMPLY WITH THE 2023 NEC
STANDARD STARTING JANUARY 1st, 2025. THE METER
BASE MUST HAVE A DISCONNECT MEANS FOR THE
LOAD SIDE AND SURGE PROTECTION.

TWO APPROVED 8' DRIVEN
GROUND RODS WITH ONE PIECE
CLAMPS REQUIRED ON ALL
SERVICES, 6' APART



Residential Service Overhead (Below Roof)

- 1) The member is responsible for all costs associated with the construction and material for the meter base and service mask. The meter base must comply with the 2023 NEC Standard starting on January 1st, 2025. The meter base must have a disconnect means for the load side and surge protection.
- 2) SKRECC will attach a service drop to the service mask, make connections to members wire outside the weather head and install a SKRECC meter in the meter base.
- 3) Meter base must be on an exterior wall of the home and easily accessible.
- 4) The meter base must be mounted securely to the home at a height of 5 feet minimum and 6 feet max from ground level to meter socket.
- 5) The meter base must be grounded with two 8 feet ground rods connected with a continuous # 6 bare copper wire back to the meter grounding lug for 200AMP services. Note: use #4 bare Copper for 400AMP services.
- 6) Six inches of grounding conductor must be exposed below the meter base with a utility grounding block attached for use of the TV/Phone companies to ground too. The remainder of the grounding conductor must be enclosed in ½ inch schedule 80 conduit for protection to ground level. The schedule 80 conduit must be fastened to the exterior of the home with a minimum of two ½ inch approved straps.
- 7) The service mask must be constructed of 2-inch RMC or IMC at minimum. If PVC is used it must be schedule 80 and must be used in conjunction with a house knob for utility service drop connection. See specification drawing RSO-2 and RSO-3 for additional installation details.
- 8) The service mask conduit must be secured with a minimum of two through-the-wall bolts for every 10 feet section. The first through-the-wall bolt must be located within 12 inches from the meter base and the second through-the-wall bolt must be located 12 inches from the top of the conduit.
- 9) The service clamp must be located 10 inches below the weather head.
- 10) The minimum clearance from the service clamp to ground level must be 12 feet.
- 11) If joints of conduit are used to build the service mask, the service clamp cannot be connected to the service mask, in this case a house knob will need to be used as the point of attachment and must be located within 12 inches of the weather head.
- 12) Three insulated conductors sized in accordance with the required service size must have 24 inches hanging out of the weather head with the neutral conductor identifiable by white tape or other manufacturer markings.
- 13) Must have a passed yellow sticker "service inspection" from a licensed electrical inspector. Service stickers are good for 60 days to prepare for a final inspection.
- 14) The member is responsible for contacting a licensed electrical inspector approved for their area to set up a final inspection, the certificate of compliance must be brought to your local SKRECC office to change from Small Commercial rate to Residential, Farm and Non-Farm Service under Schedule A of SKRECC's published tariff.
- 15) See specification drawing RSO-2 and RSO-3 for additional installation details.

Note: Must have a passed service inspection from a licensed electrical inspector and permanent power release from the health department.



SOUTH KENTUCKY RECC
SOMERSET, KENTUCKY

RESEDENTIAL SERVICE
OVERHEAD (BELOW ROOF-2)

DATE

12/31/2024

DWG NO

RSO-3

REV

2



200 Electric Avenue Somerset, Ky 42501

P (606)-678-4121

Electrical Inspectors Listing

Adair County:

1. Chris Bennett (270-378-1036)
2. Pat Williams (270-699-6838)

Casey County:

1. Chris Bennett (270-378-1036)
2. Pat Williams (270-699-6838)

Clinton County:

1. Jackie Spears (606-688-0152)

Cumberland County:

1. Ricky Sheffield (270-427-8373)

Laurel County:

1. Todd Cobb (606-682-1857)
2. Brett Williams (606-493-6515)

Lincoln County:

1. Mike Leger (859-893-4367)
2. Gerald Leger (859-314-1502)

McCreary County:

1. Larry Strunk (606-310-1300)

Pulaski County:

1. Larry Strunk (606-310-1300)
2. Ron Ebling (606-872-2621)
3. Mike Leger (859-893-4367)
4. Jackie Spears (606-688-0152)

Rockcastle County:

1. Dale Fortney (859-623-0516)
2. Brett Williams (606-493-6515)
3. Donald Hacker (606-599-2138)
4. Mike Leger (859-893-4367)

Russell County:

1. Mike Adams (270-858-9102)
2. Ron Ebling (606-872-2621)
3. Chris Bennett (270-378-1036)
4. Pat Williams (270-699-6838)
5. Jackie Spears (606-688-0152)
6. Coy Neat (270-849-5910)

Wayne County:

1. Jackie Spears (606-688-0152)

If a member has concerns about an electrical inspection that has been performed for them, we can refer the member to the State Electrical Inspector.

Kentucky State Electrical Inspector Darryl Morgan (502-573-1797)

Tennessee has assigned inspectors for each county they are:

Pickett County Tennessee - Doug Manis (931-397-7441)

Scott County Tennessee – Kylene Forbey (865-230-3011)

To obtain electrical permits in the State of Tennessee go to core.tn.gov

Health Department Release Sticker Examples

PHPS-002 (5-98)

NOTICE OF
RELEASE FOR PERMANENT
ELECTRICAL SERVICE

Release / Application No. _____

Applicant Name _____

Applicant Phone # _____

Location _____

Health Department Signature _____

This release is *NOT* approval of the septic system. Place this on the electric meter base or electrical service panel. If you have questions about this release call your local health department at _____

PHPS-001 (5-98)

NOTICE OF
RELEASE FOR TEMPORARY
ELECTRICAL SERVICE

Release / Application No. _____

Applicant Name _____

Applicant Phone # _____

Location _____

Health Department Signature _____

This release is *NOT* approval of the septic system or proposed site. Place this on the electric meter base or electrical service panel. If you have questions about this release call your local health department at _____

Electrical Inspection Sticker Color Guideline

