

200 Electric Avenue Somerset, KY 42501

P (606)-678-4121

New Traditional Construction Home 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 Corporation (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 single-wide mobile homes, RV sites, non-traditional built homes, 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 conduit and construction of the ditch to meet SKRECC specifications in all underground service applications.

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

Note 3: All temporary power for construction shall be billed at SKRECC's Small Commercial Rate contained as Schedule B in SKRECC's published tariff.

If home will need temporary power for construction use steps 3-5

Step 3: Temporary power shall be for construction only. Contact a local licensed electrician to install a temporary power pole, if using a home-owner permit please follow SKRECC guidelines for temporary power poles, attached to this procedure.

Step 4: Subject to the Note below, call your local licensed electrical inspector to have the temporary power pole inspected, please see list provided with this procedure.

Note 4: The <u>release for temporary power sticker</u> from Lake Cumberland Health Department must be in the temporary panel before inspection.

Step 5: Bring in the certificate from the passed temporary inspection to your local SKRECC office.

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

If home will not need temporary power for construction

Note 5: Once the home is framed up and wired the member will need to call the local licensed electrical inspector to perform a rough-in inspection.

Note 6: A rough-in inspection is not when SKRECC will pull wire to the home, this is achieved after a yellow sticker "Service Inspection", performed after the interior walls are covered, panel box is wired, and service meter base is installed.

Step 6: If the service to the home is going to have an underground service, dig the ditch and construct it for service per SKRECC specifications provided in this procedure. Once the ditch is constructed call SKRECC to set up a ditch inspection.

• SKRECC will send out a staking engineer to inspect the ditch.

Note 7: If the service is overhead, construct the service to meet SKRECC specifications provided with this procedure and proceed to step 7.

Step 7: Contact your local licensed electrical inspector to set up a service inspection "Yellow Sticker". The service sticker is good for 60 days and should be used to prepare for the final inspection.

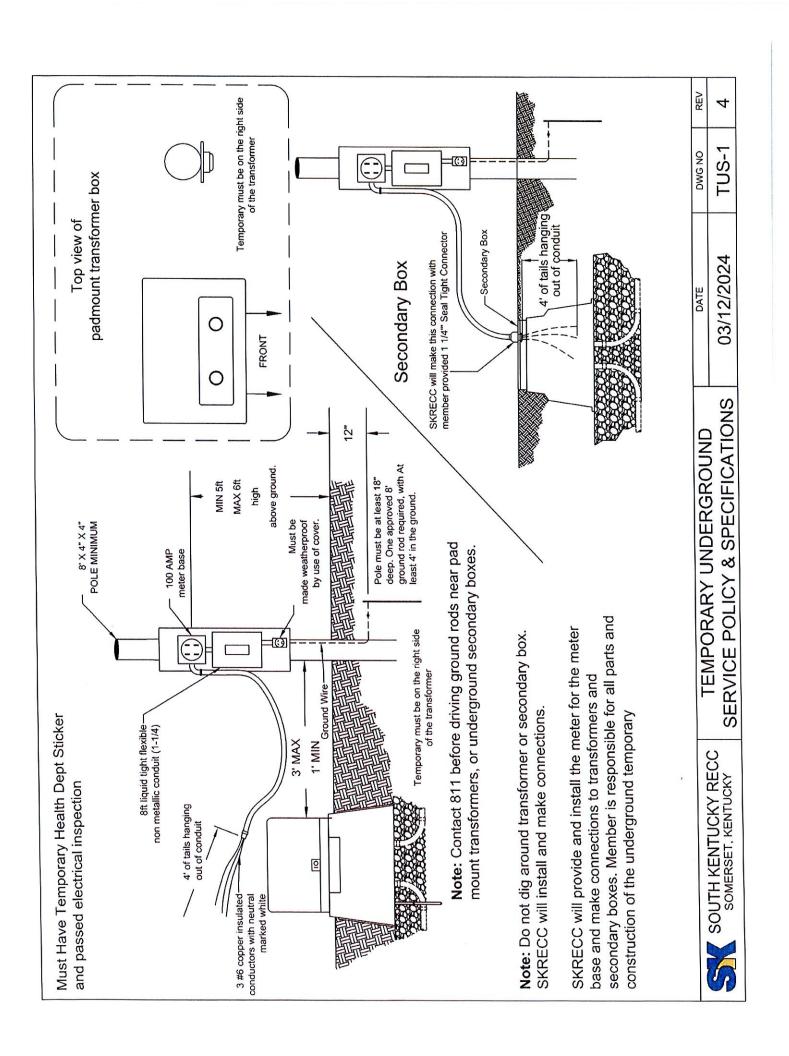
Note 8: The release for permanent power sticker from Lake Cumberland Health Department must be in the panel prior to inspection.

Note 9: Interior walls should be covered, panel box wired, and meter base constructed prior to SKRECC pulling in permanent service wire.

Step 8: Bring the approved yellow sticker certificate to your local SKRECC office and apply for permanent service.

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

Step 9: Contact your local licensed electrical inspector to perform a final inspection, "Green Sticker or release for occupancy." Bring a copy of the certificate of compliance to SKRECC to change electric rate from Small Commercial Rate to Residential, Farm and Non-Farm Service under Schedule A of SKRECC's published tariff.



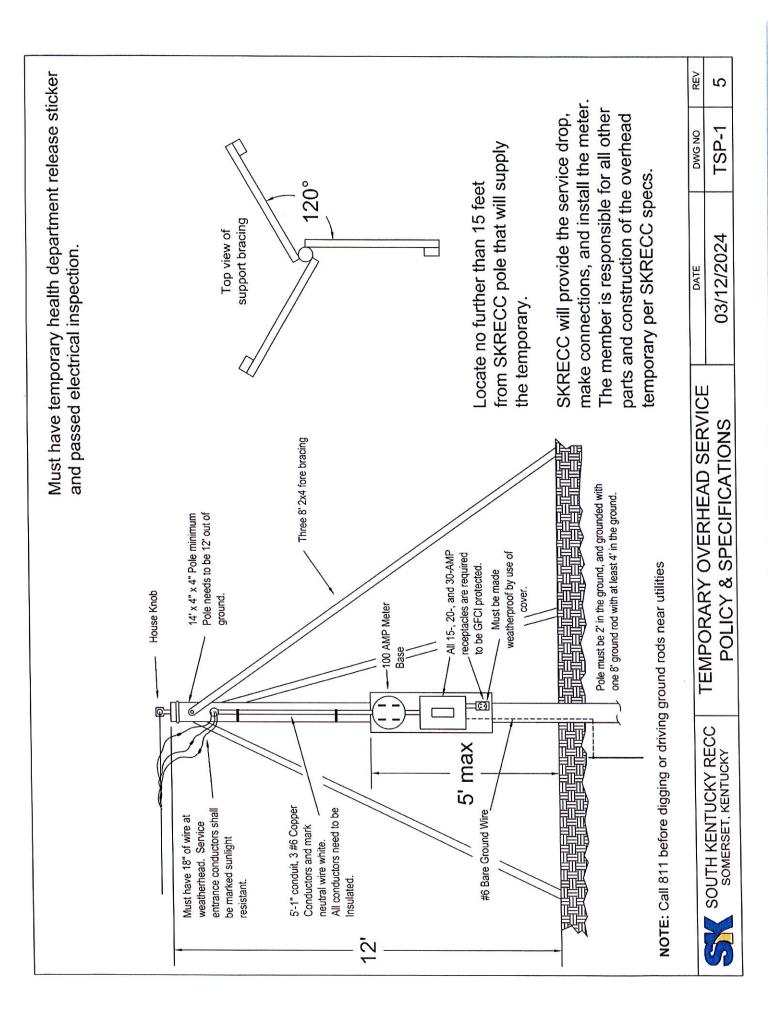
Underground Temporary Service

Responsibilities

- 1. Members are responsible for all costs associated with the temporary service.
- 2. Members ensure the temporary service complies with the NEC and SKRECC Specs.
- Members must have the temporary power release sticker from the health department in the temporary panel.
- 4. Members must have a passed electrical inspection sticker from a licensed electrical inspector. See list of licensed electrical inspectors provided with this procedure.
- 5. SKRECC will provide the meter and install it in the members meter base and make connections to the pad mount transformer or secondary pull box.

SKRECC Underground Temporary Service Requirements

- 6. Underground temporary service poles should be constructed on an 8-feet 4x4 post.
- 7. At least 3 feet of the post should be buried in the ground.
- 8. Minimum 5 feet above ground to meter base and maximum of 6 feet.
- 9. The overhead temporary must be grounded with one 8-feet ground rod attached with a continuous run of bare #6 copper wire from the ground rod back to the temporary panels grounding lug. The ground rod must be driven at least 4 feet in the ground and located within 1 foot of the temporary panel. Call 811 prior to digging or driving ground.
- 10. The underground temporary shall be located on the right-hand side of the Pad Mount transformer, at a minimum of 1 foot and a maximum of 3 feet from the pad mount transformer or secondary pull box where it is being served from.
- 11. All 15-, 20-, and 30-amp receptacles are required to be GFCI protected.
- 12. The underground temporary shall have 3-#6 copper conductors and the neutral conductor shall be marked white with 4 feet of wire hanging out of the conduit on utility connection end.
- 13. The underground temporary shall have 8 feet of liquid tight flexible non-metallic conduit sized 1-¼ inch, equipped with a 1-¼ inch seal tight connector on utility end of conduit.
- 14. All receptacles shall be made weatherproof by bubble covers or other acceptable means.
- 15. The members must tell SKRECC the final service size for the building being constructed 200A/400A etc.
- 16. Small Commercial power rates apply to all temporary services under Schedule A of SKRECC's published tariff.
- 17. See specification drawing TUS-1 for additional installation details.



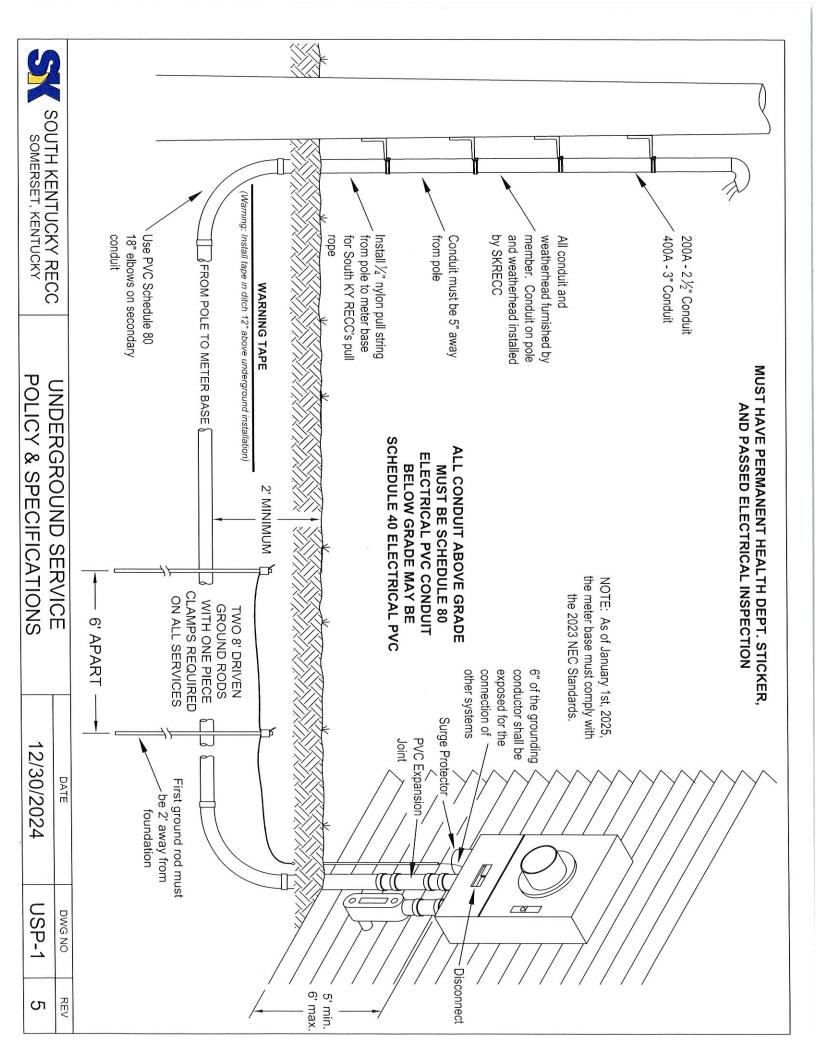
Temporary overhead service

Responsibilities

- 1. Members are responsible for all costs associated with the temporary service.
- 2. Members ensure the temporary service complies with the NEC and SKRECC Specs.
- Members must have the temporary power release sticker from the health department in the temporary panel.
- 4. Members must have a passed electrical inspection sticker from a licensed electrical inspector. See list of licensed electrical inspectors provided with this procedure.
- SKRECC will provide the meter and install it in the members meter base and provide the service drop and
 make connections to the temporary overhead service located at a maximum distance of 15 feet from the
 SKRECC pole in which it will be serviced from.

SKRECC Overhead Temporary Service Requirements

- 6. Overhead temporary service must be constructed on a 14-feet 4x4 post.
- 7. At least 2 feet of the post must be buried in the ground.
- 8. The top of the pole must have a "house pin" on it for SKRECC to connect their service drop.
- 9. The connection point for the service wire to the overhead temporary must have a minimum vertical clearance of 12 feet from the ground.
- 10. The overhead temporary service must be braced with a minimum of 3-8-feet 2x4's separated 120 degrees apart. See specification drawing TPS-1 for additional details.
- 11. The overhead temporary must be grounded with one 8-feet ground rod attached with a continuous run of bare #6 copper wire from the ground rod back to the temporary panels grounding lug. The ground rod must be driven at least 4 feet in the ground and located within 1 foot of the temporary panel. Call 811 prior to digging or driving ground.
- 12. The overhead temporary shall be located no more than 15 feet from the utility pole where it is being served from.
- 13. All 15-, 20-, and 30-amp receptacles are required to be GFCI protected.
- 14. The overhead temporary must have 18 inches of wire at the weather head, service entrance conductors shall be marked sunlight resistant.
- 15. Conduit shall be at least 5'-1" out of the top of the meter base.
- 16. The temporary shall have 3-#6 copper conductors and the neutral conductor shall be marked white.
- 17. All receptacles shall be made weatherproof by bubble covers or other acceptable means.
- 18. The members must tell SKRECC the final service size for the building being constructed 200A/400A etc.
- Small Commercial power rates apply to all temporary services under Schedule A of SKRECC's published tariff.
- 20. See specification drawing TPS-1 for additional installation details.

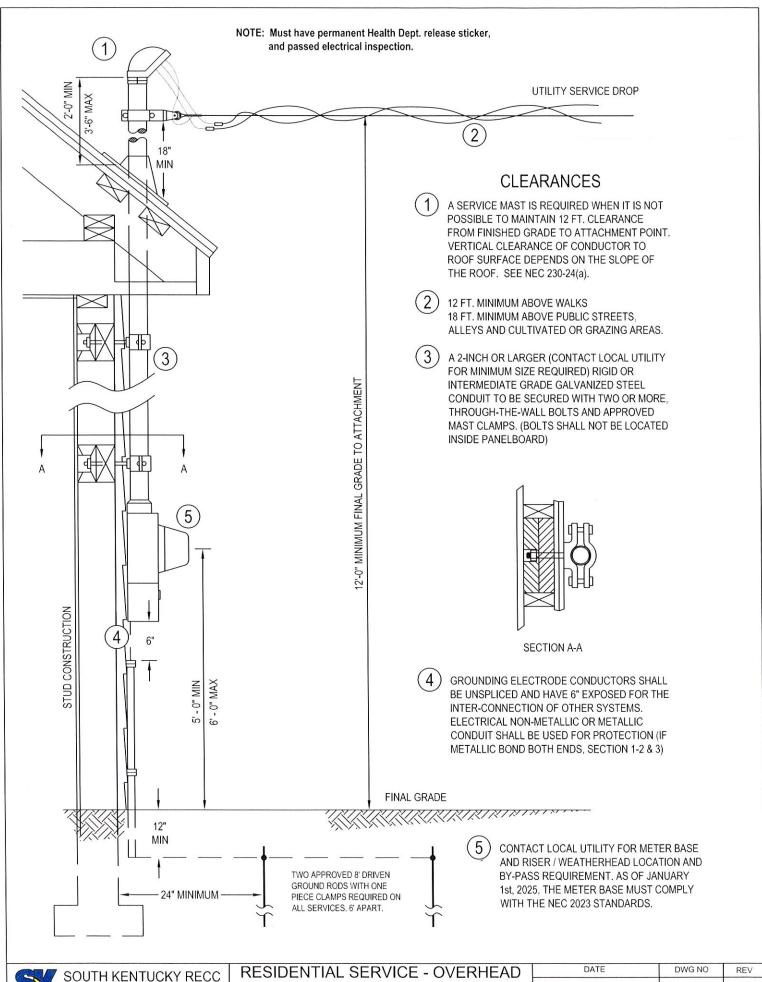


SPECIFICATIONS FOR UNDERGROUND ELECTRIC SERVICE

- 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 ½-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.

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| UNDERGROUND SERVICE |
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| POLICY & SPECIFICATIONS |



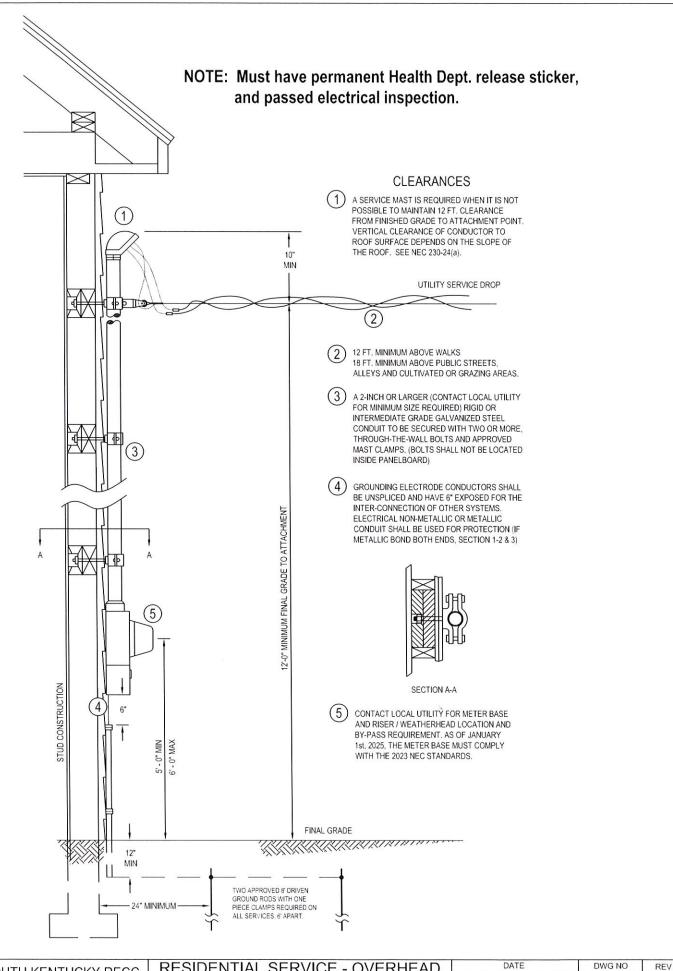
SOMERSET, KENTUCKY

RESIDENTIAL SERVICE - OVERHEAD DATE DWG NO REV (THROUGH ROOF) 12/30/2024 RSO-1 5

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.
- 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 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.



Residential Service Overhead (Below Roof)

- 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.

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

| FO | R SINGLE | FAMILY DV | VELLING | SS ONLY |
|-----|----------|-----------|---------|---------|
| AMP | COPPER | CONDUIT | ALUM. | CONDUIT |
| 100 | #4 | 1 1/4" | #2 | 1 1/4" |
| 200 | #2 / 0 | 1 ½" | #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.

10" MIN 12' MINIMUM FINAL GRADE (1) TO ATTACHMENT UTILITY SERVICE DROP (3)10 5' MIN 6' MAX FINAL GRADE 12" MIN 24" MIN

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

| RESEDENTIAL SERVICE | |
|-------------------------------|---|
| OVERHEAD (BELOW ROOF-2 |) |

Residential Service Overhead (Below Roof)

- 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.



| RESEDENTIAL SERVICE | DATE | DWG NO | REV |
|-------------------------|------------|--------|-----|
| OVERHEAD (BELOW ROOF-2) | 12/31/2024 | RSO-3 | 2 |



200 Electric Avenue Somerset, Ky 42501

P (606)-678-4121

| FI | ectrical | Inspectors | Licting |
|----|----------|-------------|---------|
| | ecuicai | IIISPECTOIS | 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 – Kylen 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

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| ' | septic system. Place this | |

Electrical Inspection Sticker Color Guideline

Rough In Inspection

Completed when home is initially wired, and walls are still exposed.

Service Only Inspection

"Good for 60 days"

SKRECC requires interior walls covered and the panel box made up prior to pulling permanent power to a residence.

Final Inspection

"Released for Occupancy"

