



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.

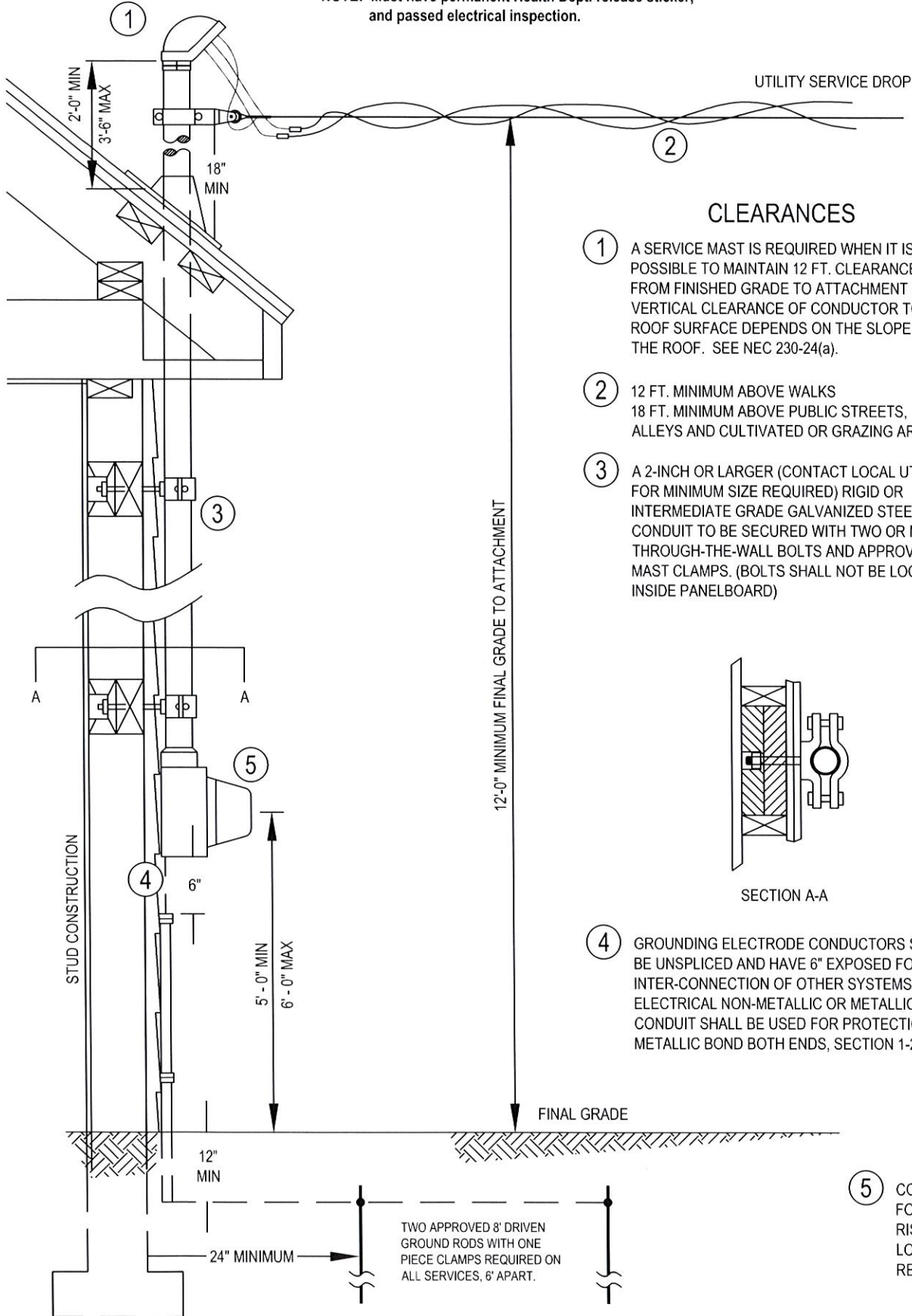
*Note 7:* If the Structure is being served type is underground, SKRECC engineering team must inspect the ditch from the pole to the pedestal before backfilling it.

**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.

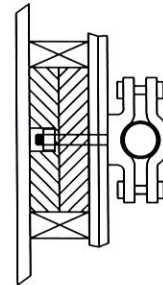
**Step 6:** Contact your local licensed electrical inspector to perform a final inspection.

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



### CLEARANCES

- ① A SERVICE MAST IS REQUIRED WHEN IT IS NOT POSSIBLE TO MAINTAIN 12 FT. CLEARANCE FROM FINISHED GRADE TO ATTACHMENT POINT. VERTICAL CLEARANCE OF CONDUCTOR TO ROOF SURFACE DEPENDS ON THE SLOPE OF THE ROOF. SEE NEC 230-24(a).
- ② 12 FT. MINIMUM ABOVE WALKS  
18 FT. MINIMUM ABOVE PUBLIC STREETS, ALLEYS AND CULTIVATED OR GRAZING AREAS.
- ③ A 2-INCH OR LARGER (CONTACT LOCAL UTILITY FOR MINIMUM SIZE REQUIRED) RIGID OR INTERMEDIATE GRADE GALVANIZED STEEL CONDUIT TO BE SECURED WITH TWO OR MORE, THROUGH-THE-WALL BOLTS AND APPROVED MAST CLAMPS. (BOLTS SHALL NOT BE LOCATED INSIDE PANELBOARD)



SECTION A-A

- ④ GROUNDING ELECTRODE CONDUCTORS SHALL BE UNSPLICED AND HAVE 6" EXPOSED FOR THE INTER-CONNECTION OF OTHER SYSTEMS. ELECTRICAL NON-METALLIC OR METALLIC CONDUIT SHALL BE USED FOR PROTECTION (IF METALLIC BOND BOTH ENDS, SECTION 1-2 & 3)

- ⑤ CONTACT LOCAL UTILITY FOR METERBASE AND RISER/WEATHERHEAD LOCATION AND BY-PASS REQUIREMENT

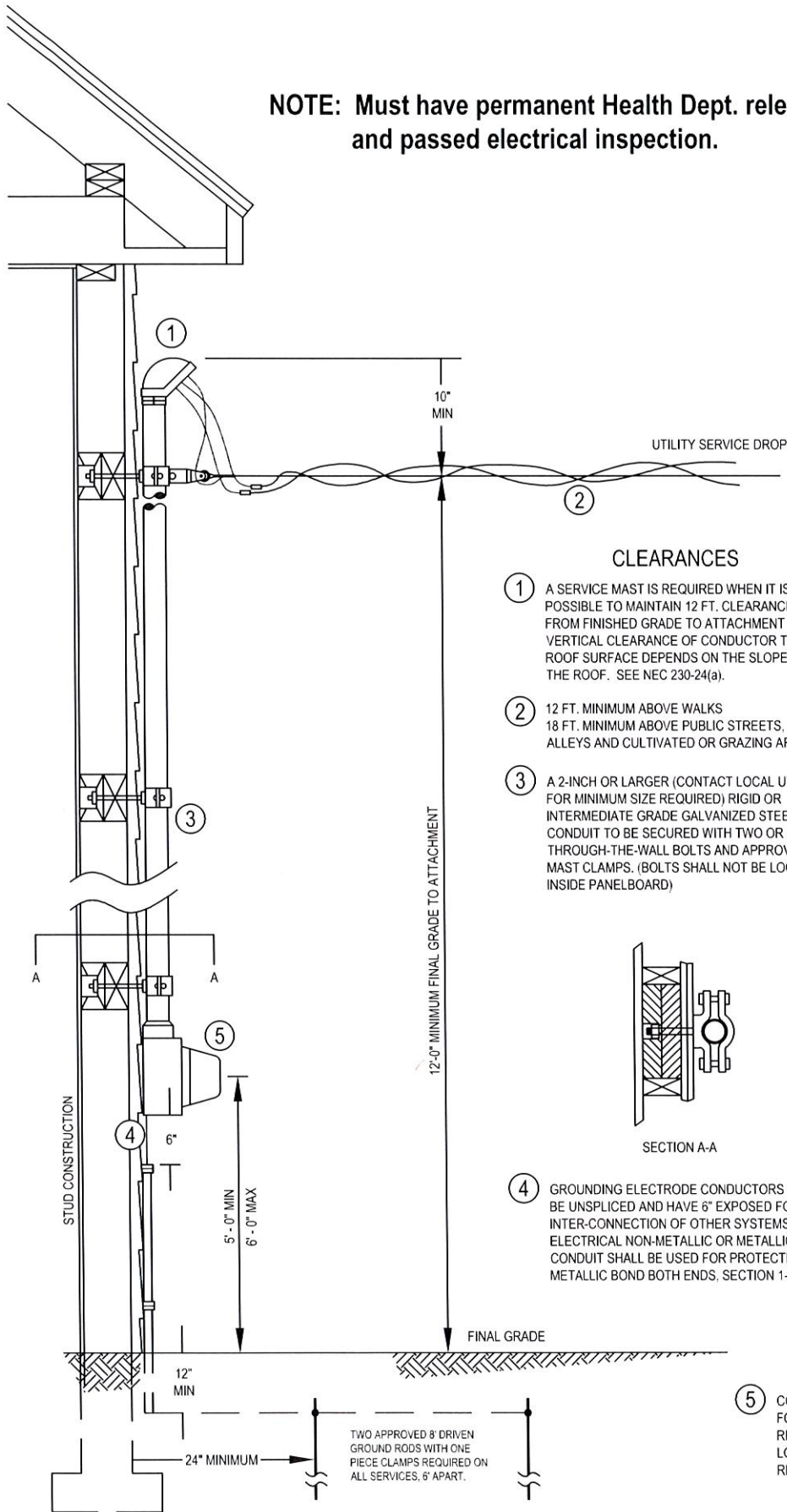
## Residential Service Overhead ( Through Roof )

- 1) The member is responsible for all costs associated with the construction and material for the meter base and service mask.
- 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.

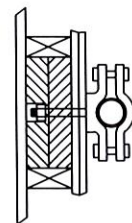
	SOUTH KENTUCKY RECC SOMERSET, KENTUCKY	RESIDENTIAL SERVICE - OVERHEAD (THROUGH ROOF)	DATE	DWG NO	REV
			03/12/2024	RSO-1	4

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



**CLEARANCES**

- ① A SERVICE MAST IS REQUIRED WHEN IT IS NOT POSSIBLE TO MAINTAIN 12 FT. CLEARANCE FROM FINISHED GRADE TO ATTACHMENT POINT. VERTICAL CLEARANCE OF CONDUCTOR TO ROOF SURFACE DEPENDS ON THE SLOPE OF THE ROOF. SEE NEC 230-24(a).
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SECTION A-A

- ④ GROUNDING ELECTRODE CONDUCTORS SHALL BE UNSPLICED AND HAVE 6" EXPOSED FOR THE INTER-CONNECTION OF OTHER SYSTEMS. ELECTRICAL NON-METALLIC OR METALLIC CONDUIT SHALL BE USED FOR PROTECTION (IF METALLIC BOND BOTH ENDS, SECTION 1-2 & 3)

- ⑤ CONTACT LOCAL UTILITY FOR METERBASE AND RISER/WEATHERHEAD LOCATION AND BY-PASS REQUIREMENT

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

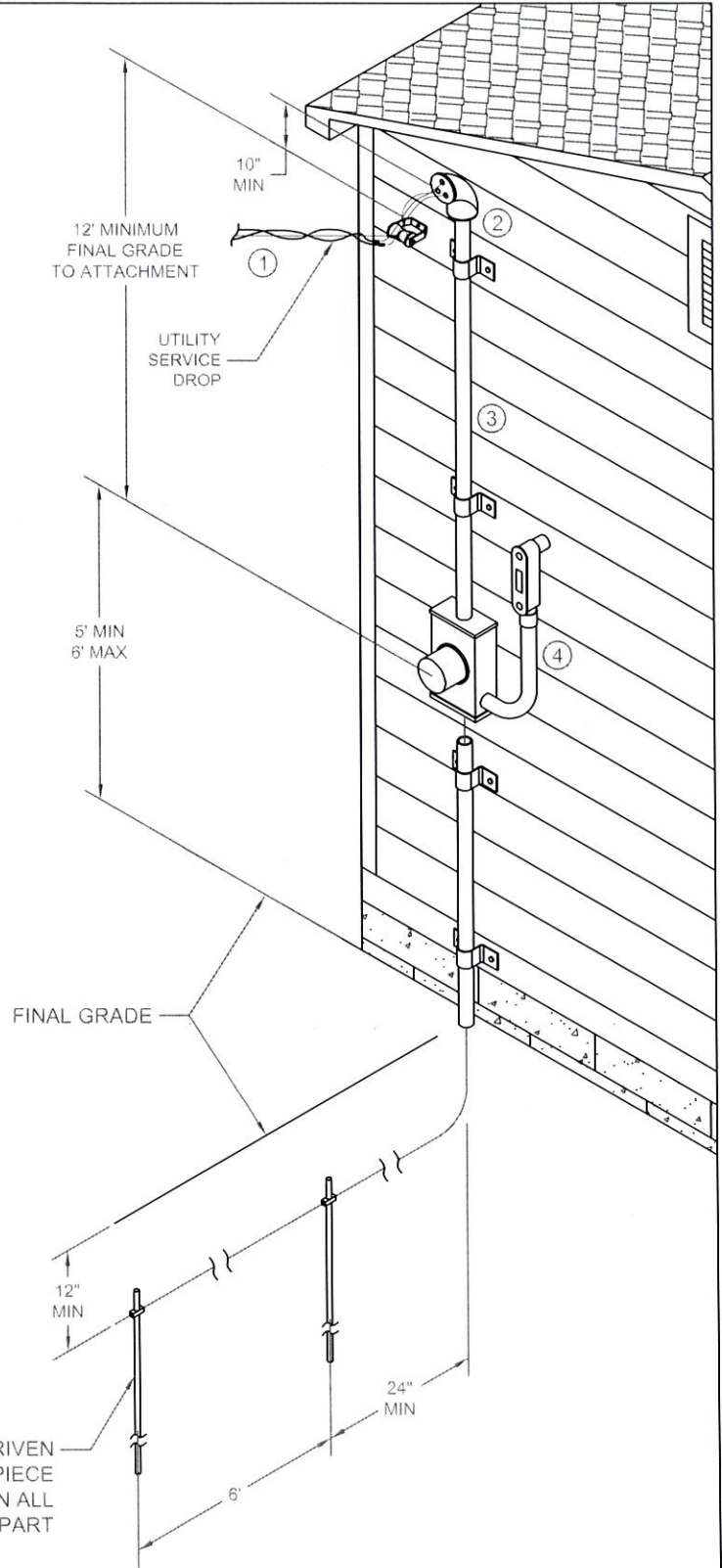
FOR SINGLE FAMILY DWELLINGS ONLY				
AMP	COPPER	CONDUIT	ALUM.	CONDUIT
100	#4	1 1/4"	#2	1 1/4"
200	#2 / 0	1 1/2"	#4 / 0	2"

IF PVC IS USED, MUST BE SCHEDULE 80

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FINAL GRADE

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.
- 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	<b>RESIDENTIAL SERVICE - OVERHEAD (BELOW ROOF)</b>	DATE	DWG NO	REV
			02/29/2024	RSO-2	3

**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

**WARNING TAPE**  
(Warning: Install tape in ditch 12" above underground installation)

FROM POLE TO METER BASE  
Use PVC Schedule 80 18" elbows on secondary conduit

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

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

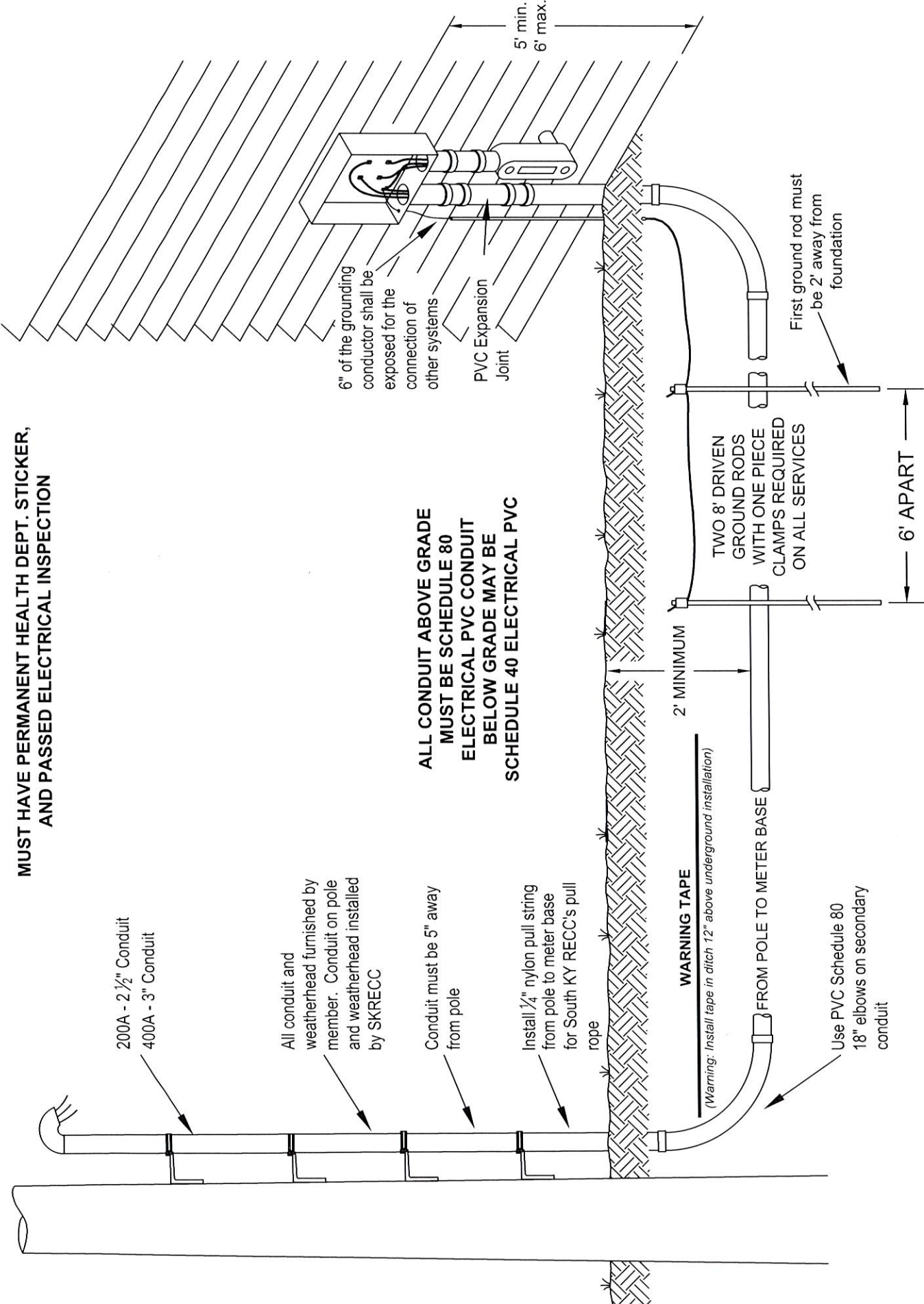
PVC Expansion Joint

5' min.  
6' max.

TWO 8' DRIVEN GROUND RODS WITH ONE PIECE CLAMPS REQUIRED ON ALL SERVICES

First ground rod must be 2' away from foundation

6' APART



	<b>UNDERGROUND SERVICE POLICY &amp; SPECIFICATIONS</b>		DATE	DWG NO	REV
			03/12/2024	USP-1	4



## SPECIFICATIONS FOR UNDERGROUND ELECTRIC SERVICE

1. The meter base must be approved for underground electric service. Bolt-In type meter bases cannot be used.
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 ¼-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.



SUBJECT: Electrical Inspectors Listing

Adair County: This is an open county any electrical inspector can perform inspections in this county. The most prominent inspectors for this county are:

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

Casey County: This is an open county any electrical inspector can perform inspections in this county. The most prominent inspectors for this county are:

1. Mike Adams (270-343-4505)
2. Ron Ebling (606-872-2621)
3. Chris Bennett (270-378-1036)
4. Pat Williams (270-699-6838)

Clinton County This county is closed to:

1. Jackie Spears (606-688-0152)

Cumberland County This county is closed to Tri-County Electric Cooperative (270-864-3871); however, county officials have stated that Ricky Sheffield (270-427-8373) can inspect within the SKRECC service territory in Cumberland County.

Laurel County This is an open county any electrical inspector can perform inspections in this county. The most prominent inspectors for this county are:

1. Todd Cobb (606-682-1857)

Lincoln County This county is closed to:

1. Mike Leger (859-893-4367)

McCreary County This county is closed to:

1. Ron Ebling (606-872-2621)
2. Larry Strunk (606-310-1300)

Pulaski County      This county is closed to:

1. Ron Ebling (606-872-2621)
2. Brett Williams (606-493-6515)
3. Larry Strunk (606-310-1300)

Rockcastle County      This is an open county any electrical inspector can perform inspections in this county. The most prominent inspector for this county is:

1. Dale Fortney (859-623-0516)
2. Wendell Fortney (606-493-9157)
3. Todd Cobb (606-682-1857)
4. Brett Williams (606-493-6515)
5. Donald Hacker (606-599-2138)

Russell County      This is an open county any electrical inspector can perform inspections in this county. The most prominent inspectors for this county are:

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      This county is closed to:

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.

State Inspector      1. Mike Shannon (270-321-2787)

Tennessee has assigned inspectors for each county they are:

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

Scott County Tennessee – David Manis (865-256-4809)

The State of Tennessee has authorized the issuing of permits by local businesses in each county. South Kentucky RECC members needing an electrical inspection in Pickett County Tennessee can obtain their electrical inspection permit at:

Pickett Builders Supply  
1113 Olympus Drive  
Byrdstown, Tennessee 38549  
Phone # 931-864-3156

South Kentucky members in Scott County Tenn. can obtain their electrical inspection permit at:

Plateau Electric Cooperative  
1600 Scott Highway  
Oneida, Tennessee 37841  
Phone # 423-569-8591

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

### 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”

# SKRECC STAKING ENGINEERS TERRITORY

