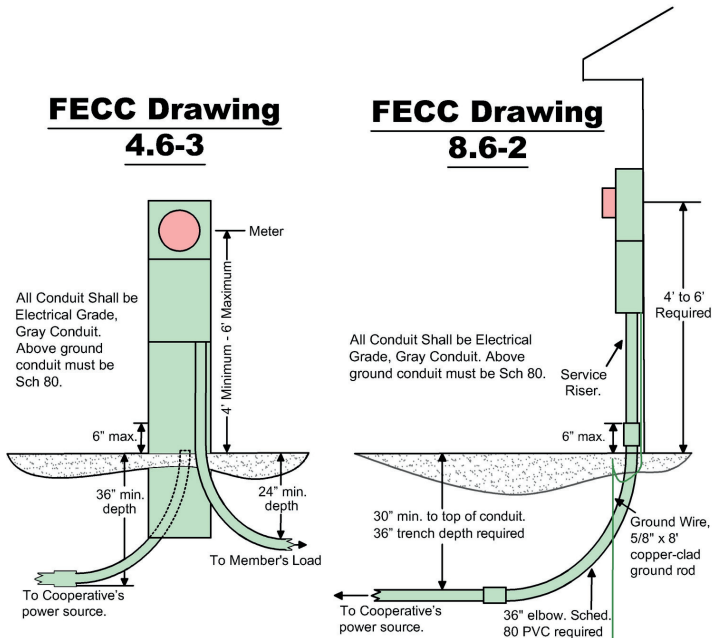


# Primary Power to Permanent Service

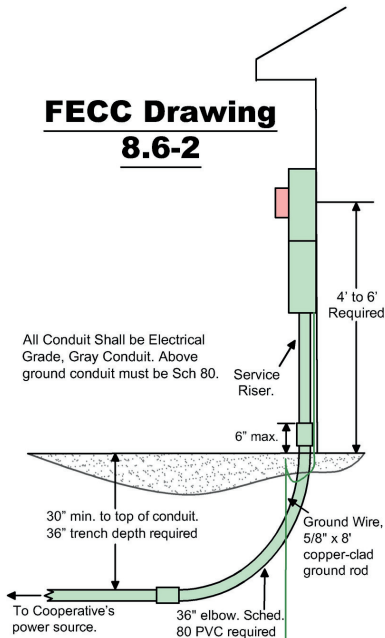
# Primary Power to Transformer

# Underground for Construction Service

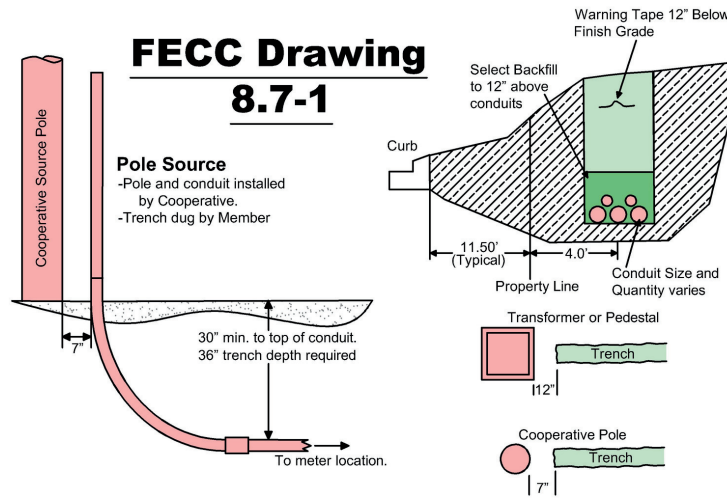
**FECC Drawing 4.6-3**



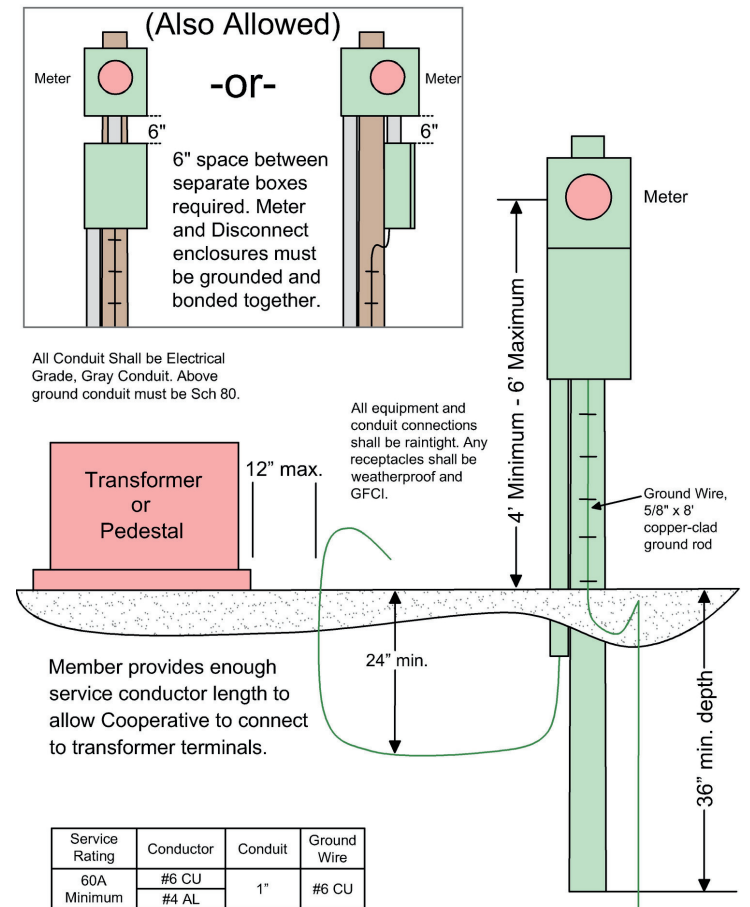
**FECC Drawing 8.6-2**



**FECC Drawing 8.7-1**



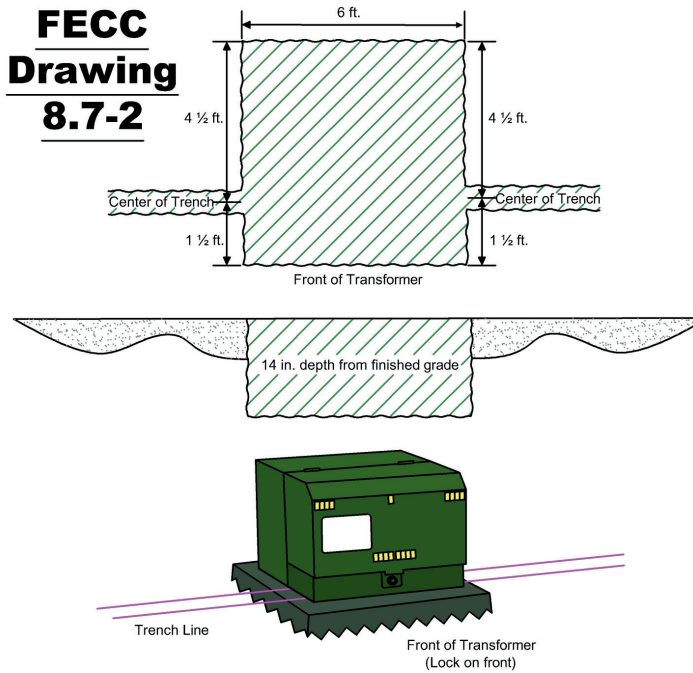
**FECC Drawing 4.5-2**



Service Rating	Conductor		Conduit	Ground Wire
	Copper	Aluminum		
100A	#2	1/0	2"	#6
200A	2/0	4/0	2"	#4
320A	350	500	3"	#2

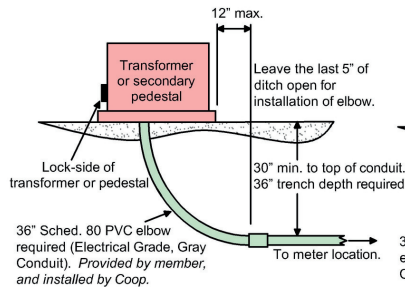
Service conductor (75+ cable) and conduit sizes

**FECC Drawing 8.7-2**



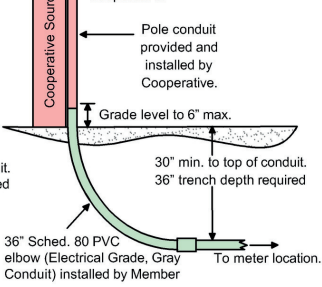
**FECC Drawing 8.6-1**

**Transformer or Secondary Pedestal Source**  
Transformer or secondary pedestal installed by Cooperative.



**FECC Drawing 8.6-1**

**Transformer Pole Source**  
Pole and pole conduit installed by Cooperative.



Service Rating	Conductor	Conduit	Ground Wire
60A Minimum	#6 CU	1"	#6 CU
	#4 AL		
100A	#2 CU	1 1/2"	#6 CU
	1/0 AL		
200A	2/0 CU	2"	#4 CU
	4/0 AL		

Service conductor (75+ cable) and conduit sizes

Items in **Green** are provided by the member; items in **Red** are provided by First Electric.

**Disclaimer:**

While this guide highlights the essentials, more detailed information can be found online. Scan the QR code to access First Electric's website.



# Overhead for Construction Service



**First Electric  
Cooperative**



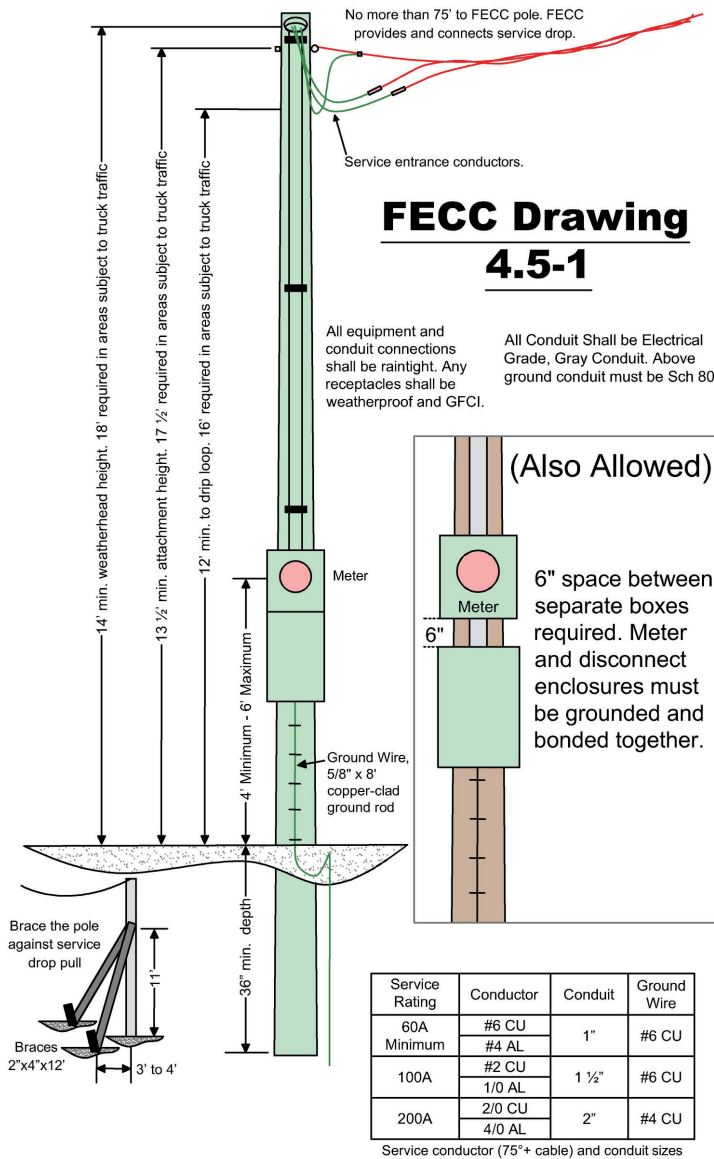
## WHAT IS A CO-OP? We're Powered by YOU!

First Electric is more than your local electric provider – we're a not-for-profit, member-owned cooperative built to serve, not profit.

We were founded when neighbors came together to bring electricity to rural areas that had been left without service by for-profit utility companies. That spirit of cooperation still drives us today.

Unlike investor-owned utilities, we don't send profits to shareholders. Instead, any money left over after operating expenses – called margins – is returned to you, our members, as capital credits.

## Residential Underground Service Guide



### Notes:

- Water and gas lines must be placed in a separate ditch from electric lines
- Conduit shall be 3' deep
  - Schedule 80 gray PVC above ground
  - Schedule 40 gray PVC below ground
- No more than three 90° elbows
- No back-to-back 90° elbows
- All conduit shall have a pull string installed



Visit our website by scanning the QR code.



[www.firstelectric.coop](http://www.firstelectric.coop)



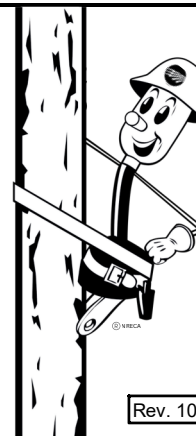
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