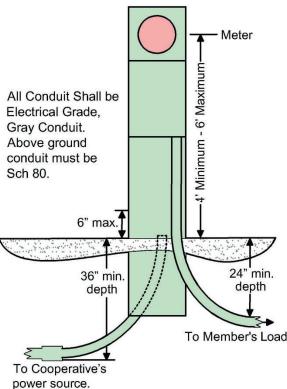


Permanent Service

Primary Power to Transformer

Underground for Construction Service

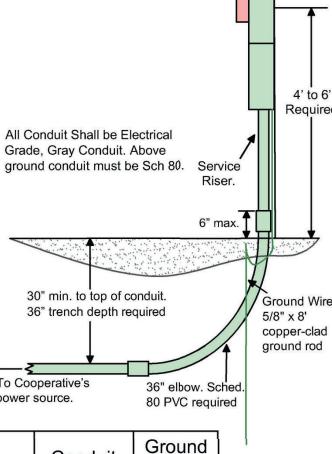
FECC Drawing 4.6-3



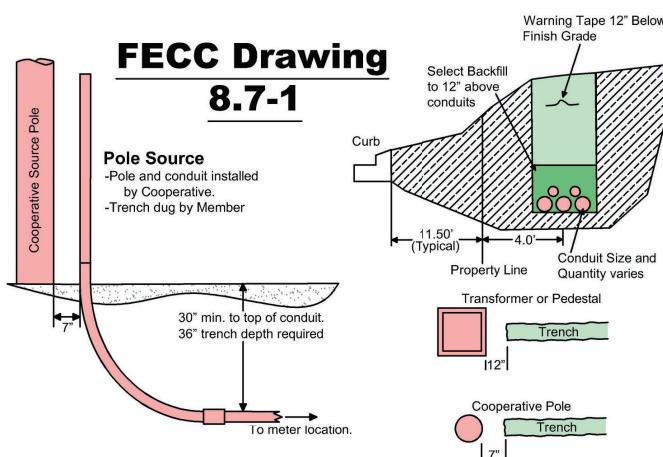
Service Rating	Conductor		Conduit	Ground Wire
	Copper	Aluminum		
100A	#2	1/0	2"	#6
200A	2/0	4/0	2"	#4
320A	350	500	3"	#2

Service conductor (75'+ cable) and conduit sizes

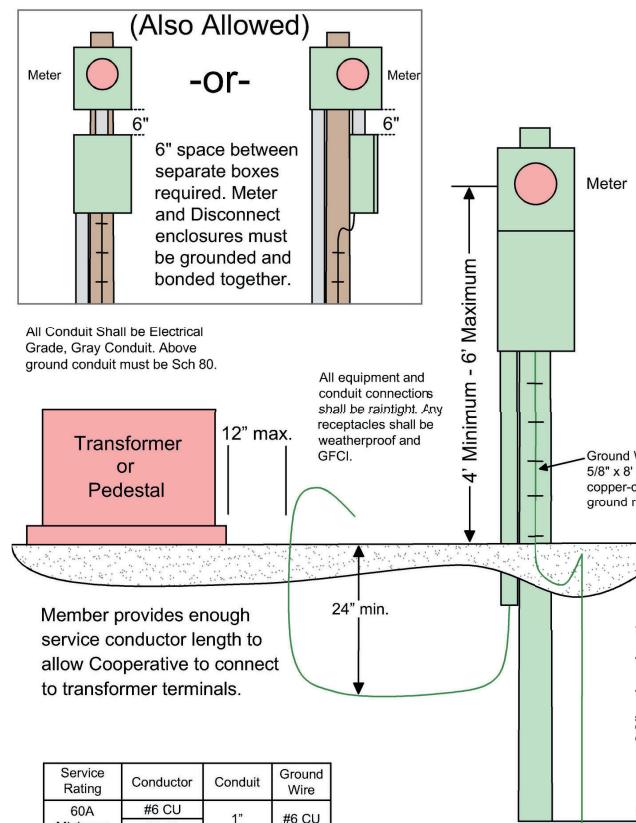
FECC Drawing 8.6-2



FECC Drawing 8.7-1

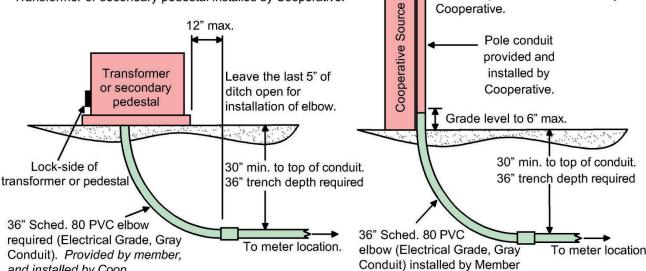


FECC Drawing 4.5-2



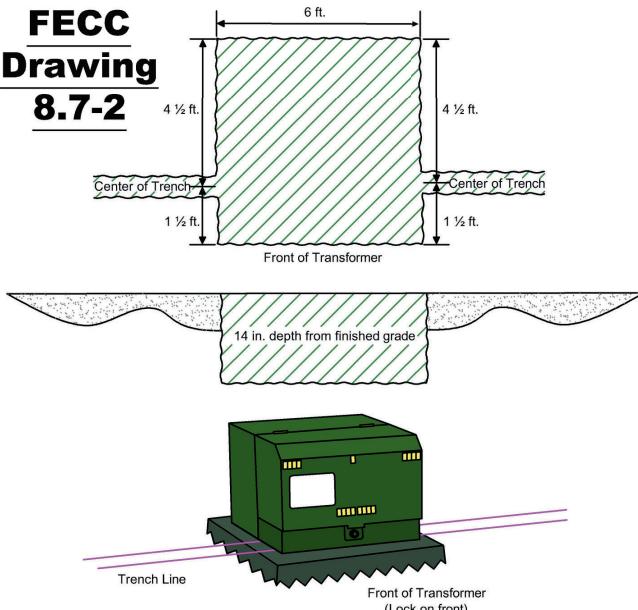
FECC Drawing 8.6-1

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 #4 AL	1"	#6 CU
100A	#2 CU 1/0 AL	1 1/2"	#6 CU
200A	2/0 CU 4/0 AL	2"	#4 CU

Service conductor (75'+ cable) and conduit sizes

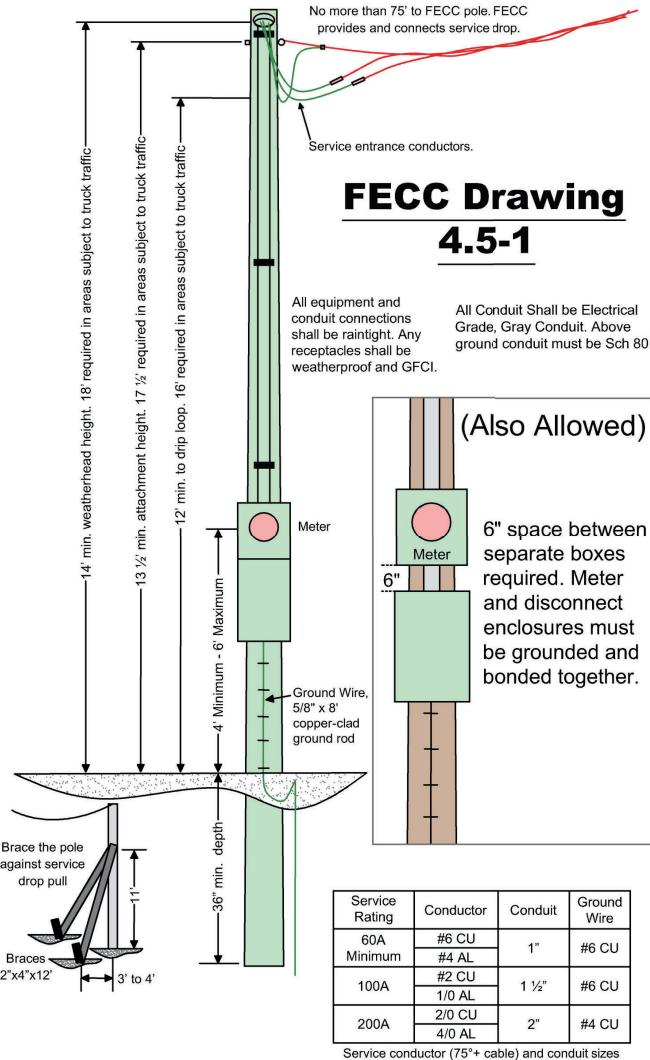
Items in **Green** are provided by the member;
items in **Red** are provided by First Electric.

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



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



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.

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

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Residential Underground Service Guide



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