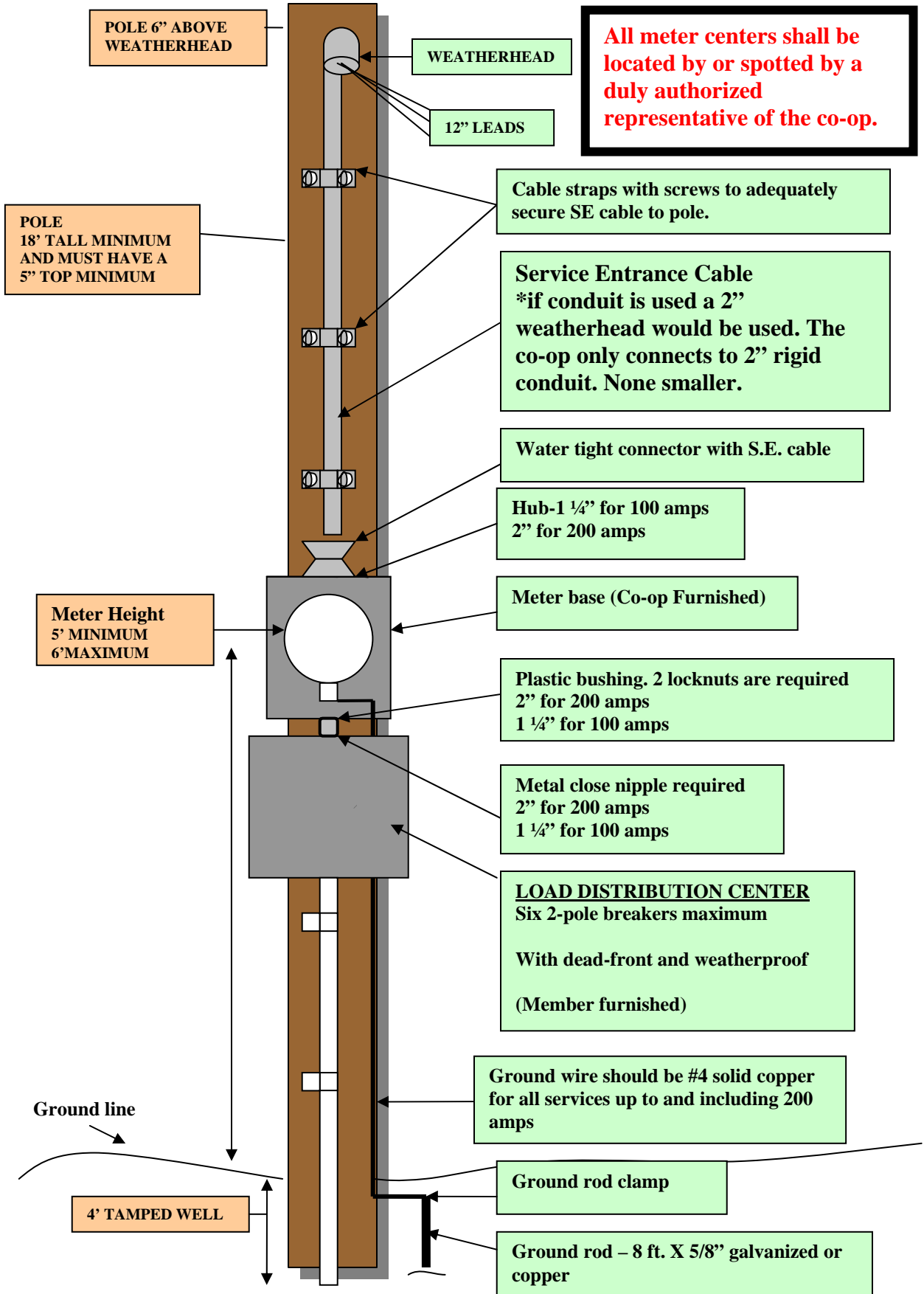


SOUTHERN PINE ELECTRIC COOPERATIVE PERMANENT METER POLE REQUIREMENTS



All meter centers shall be located by or spotted by a duly authorized representative of the co-op.

POLE 6" ABOVE WEATHERHEAD

WEATHERHEAD

12" LEADS

POLE 18' TALL MINIMUM AND MUST HAVE A 5" TOP MINIMUM

Cable straps with screws to adequately secure SE cable to pole.

Service Entrance Cable *if conduit is used a 2" weatherhead would be used. The co-op only connects to 2" rigid conduit. None smaller.

Water tight connector with S.E. cable

**Hub-1 1/4" for 100 amps
2" for 200 amps**

Meter base (Co-op Furnished)

Meter Height 5' MINIMUM 6' MAXIMUM

**Plastic bushing. 2 locknuts are required
2" for 200 amps
1 1/4" for 100 amps**

**Metal close nipple required
2" for 200 amps
1 1/4" for 100 amps**

**LOAD DISTRIBUTION CENTER
Six 2-pole breakers maximum
With dead-front and weatherproof
(Member furnished)**

Ground line

Ground wire should be #4 solid copper for all services up to and including 200 amps

4' TAMPED WELL

Ground rod clamp

Ground rod - 8 ft. X 5/8" galvanized or copper

**SERVICE ENTRANCE CONDUCTOR SIZES
FOR
THREE-WIRE SINGLE-PHASE DWELLING SERVICES
(RESIDENTIAL ONLY)**

SIZE ENTRANCE SWITCH	COPPER CONDUCTORS		ALUMINUM CONDUCTORS	
	Size of Insulated Conductor	Minimum Size of Neutral	Size of Insulated Conductor	Minimum Size of Neutral
100	2 - #4	1 - #6	2 - #2	1 - #4
150	2 - #1	1 - #3	2 - #2/0	1 - #1
200	2 - #3/0	1 - #1/0	2 - #4/0	1 - #2/0
400	2 - 400 MCM	1 - 250 MCM	2 - 600 MCM	1 - 350 MCM

GROUNDING CONDUCTOR SIZES	
SERVICE ENTRANCE SIZE-MAIN RATING	Size of Grounding Conductors
	COPPER ONLY
100	#4
150	#4
200	#4
400	#2

Notes:

#1 – The meter socket only is furnished by the co-op.

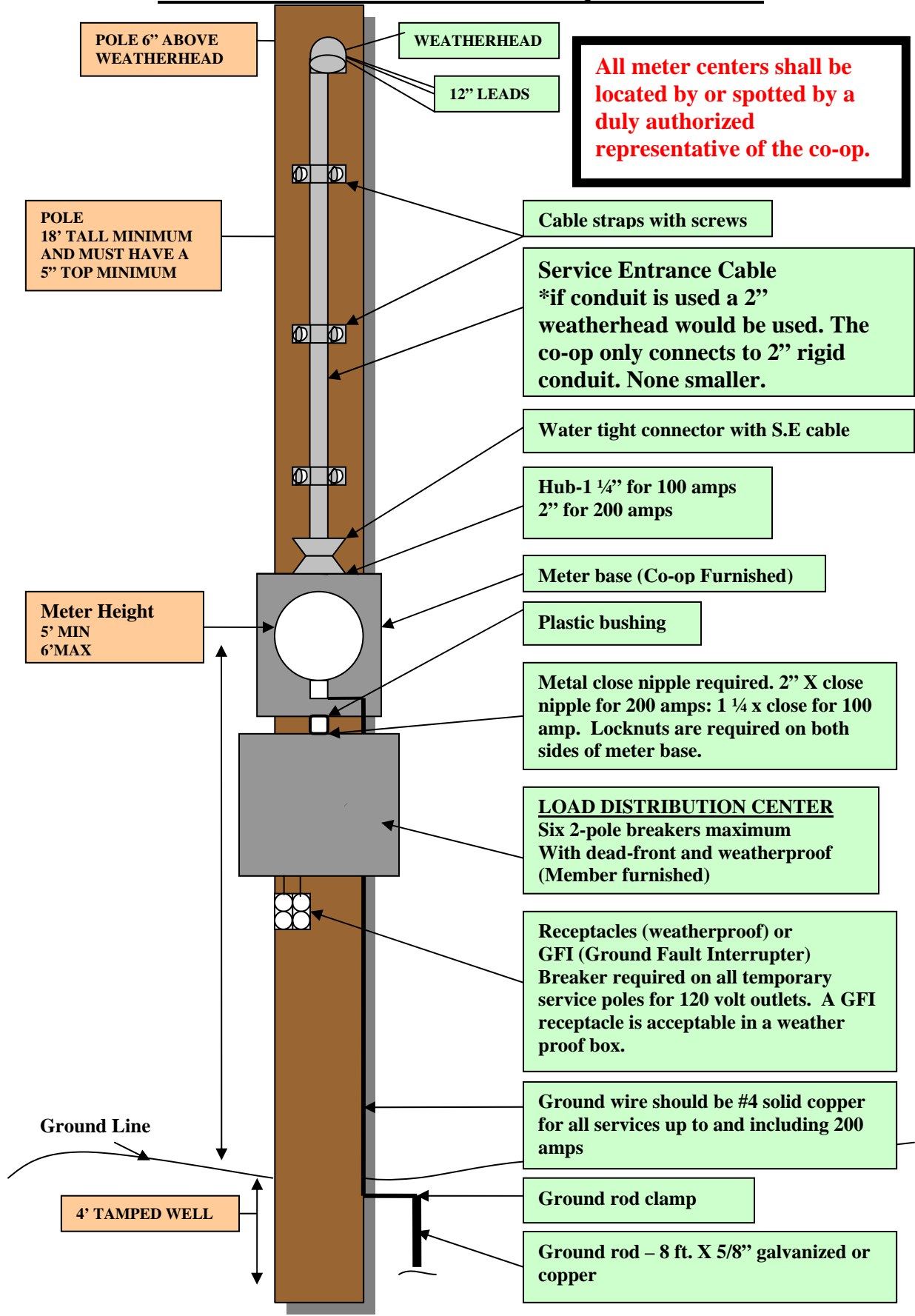
#2 – A 100 amp minimum capacity is required to all residential services.

#3 – The co-op will not install electric meters on inside locations. All meter centers shall be located by or spotted by a duly authorized representative of the co-op.

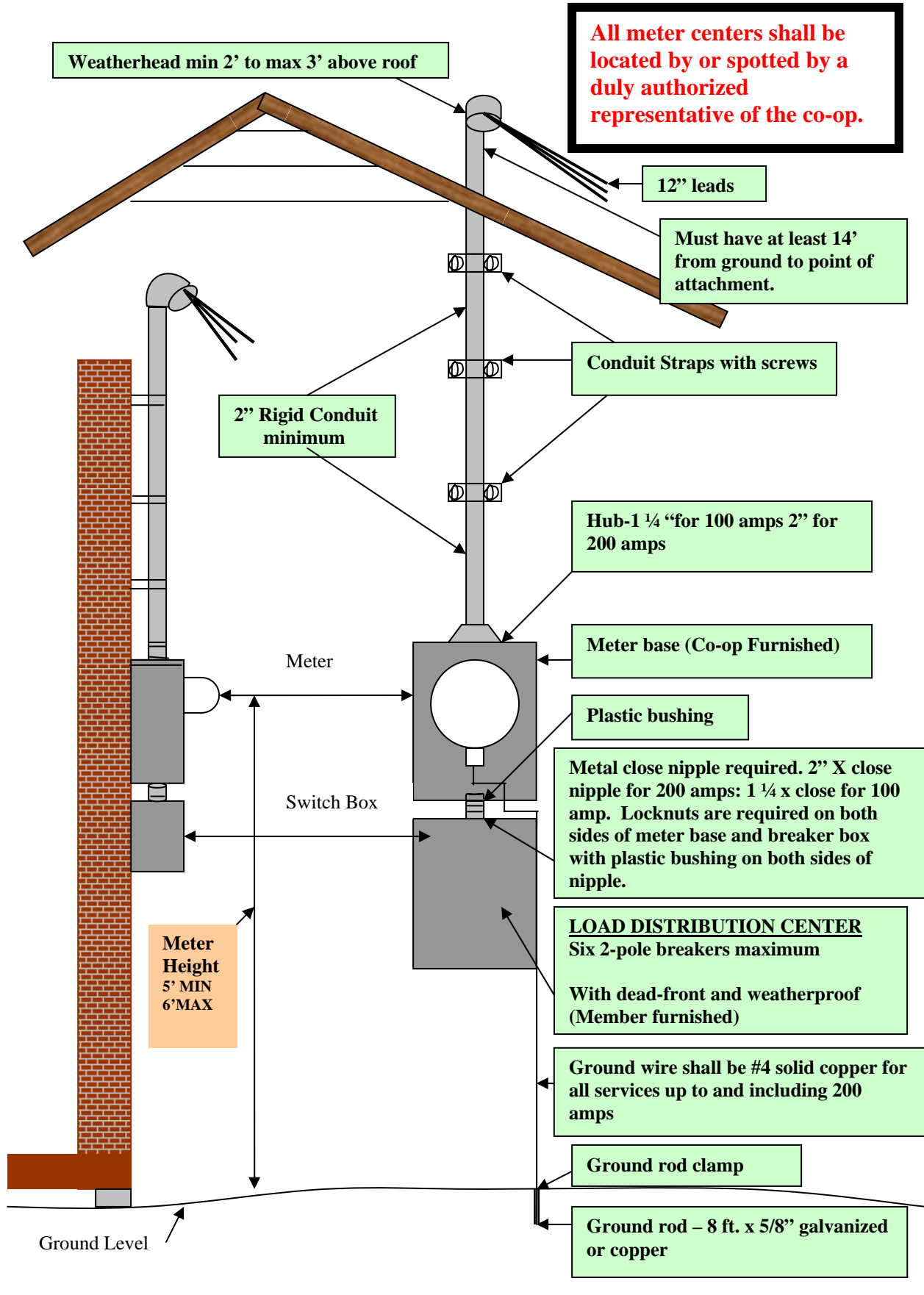
#4 – The meter base and/or load center must be mounted to pressure treated boards and attached to the pole.

#5 – The co-op strongly recommends the use of conduit. Where conduit is not used to support the service drop conductors gray schedule 80 PVC conduit may be used. Weatherhead must be used with conduit.

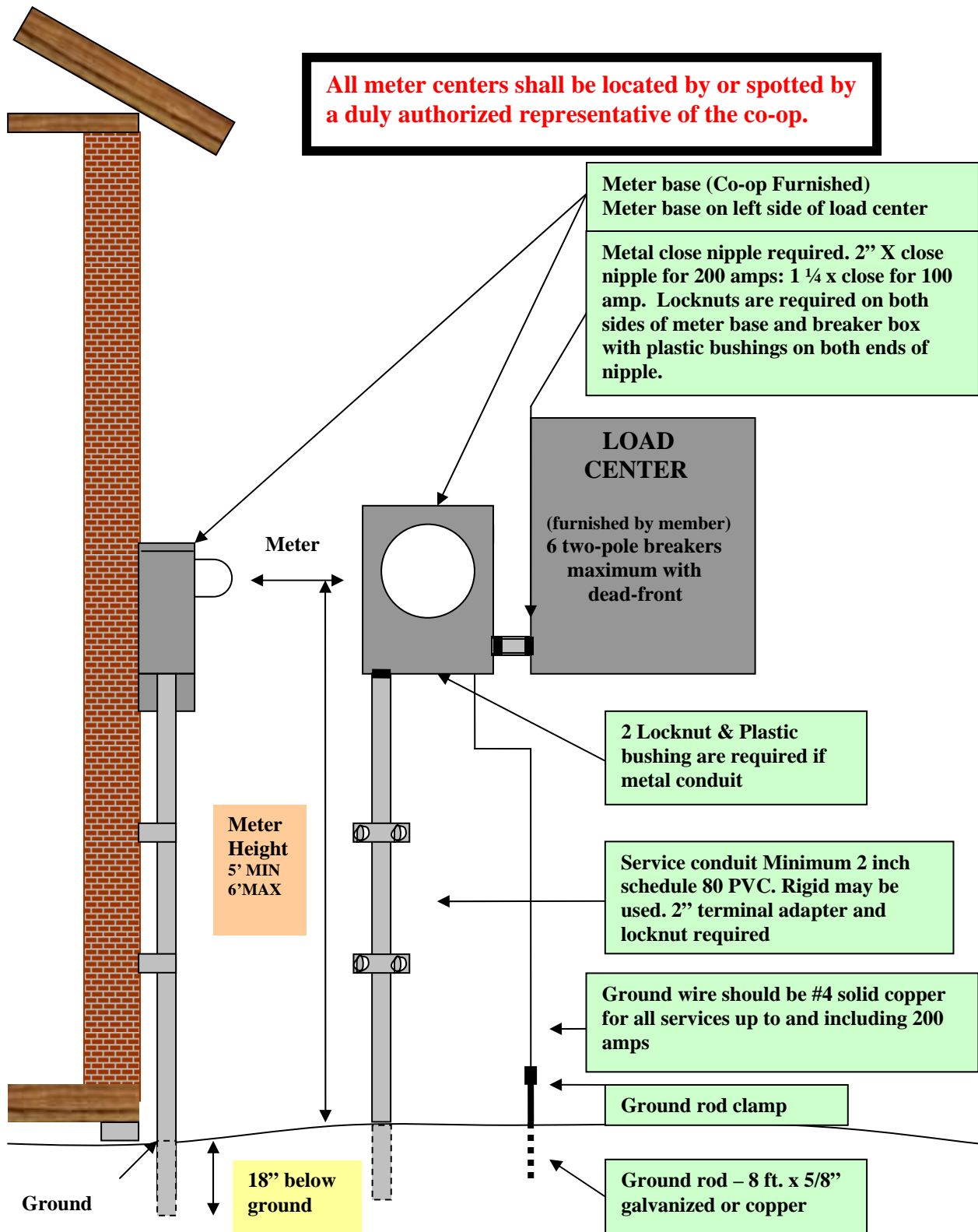
SOUTHERN PINE ELECTRIC COOPERATIVE TEMPORARY METER POLE REQUIREMENTS



SOUTHERN PINE ELECTRIC COOPERATIVE OUTSIDE WALL INSTALLATION



SOUTHERN PINE ELECTRIC COOPERATIVE UNDERGROUND REQUIREMENTS



UNDERGROUND REQUIREMENTS

1. The co-op will furnish the meter socket only.
2. Wire size, meter socket ampacity, nipple and bushing sizes will depend upon service size desired.
3. Service conduit is furnished by the member. It can be rigid metallic or PVC. Either must be a minimum of 2 inch. Consumer is responsible for busting any footing in conflict with the service conduit.
 - A. **Rigid Metal-** Must have locknuts inside and out where conduit enters meter base. A plastic bushing must cap-off conduit inside meter base and load center.
 - B. **PVC-** Must be schedule 80 gray electrical conduit. Must supply terminal adapter and lock nut.
4. Service entrance conduit must be installed on the bottom left hand side of meter base.
5. Metal close nipple-2" X close nipple with 4 locknuts to fasten meter socket to load center. Must have locknuts inside and out where conduit enters meter base and load center. A plastic bushing must cap-off each end of close nipple.
6. Consumer to provide 3" Scheduled 40 gray conduit for any portion of underground service drop that will be under driveway, sidewalks, or under any paved areas.