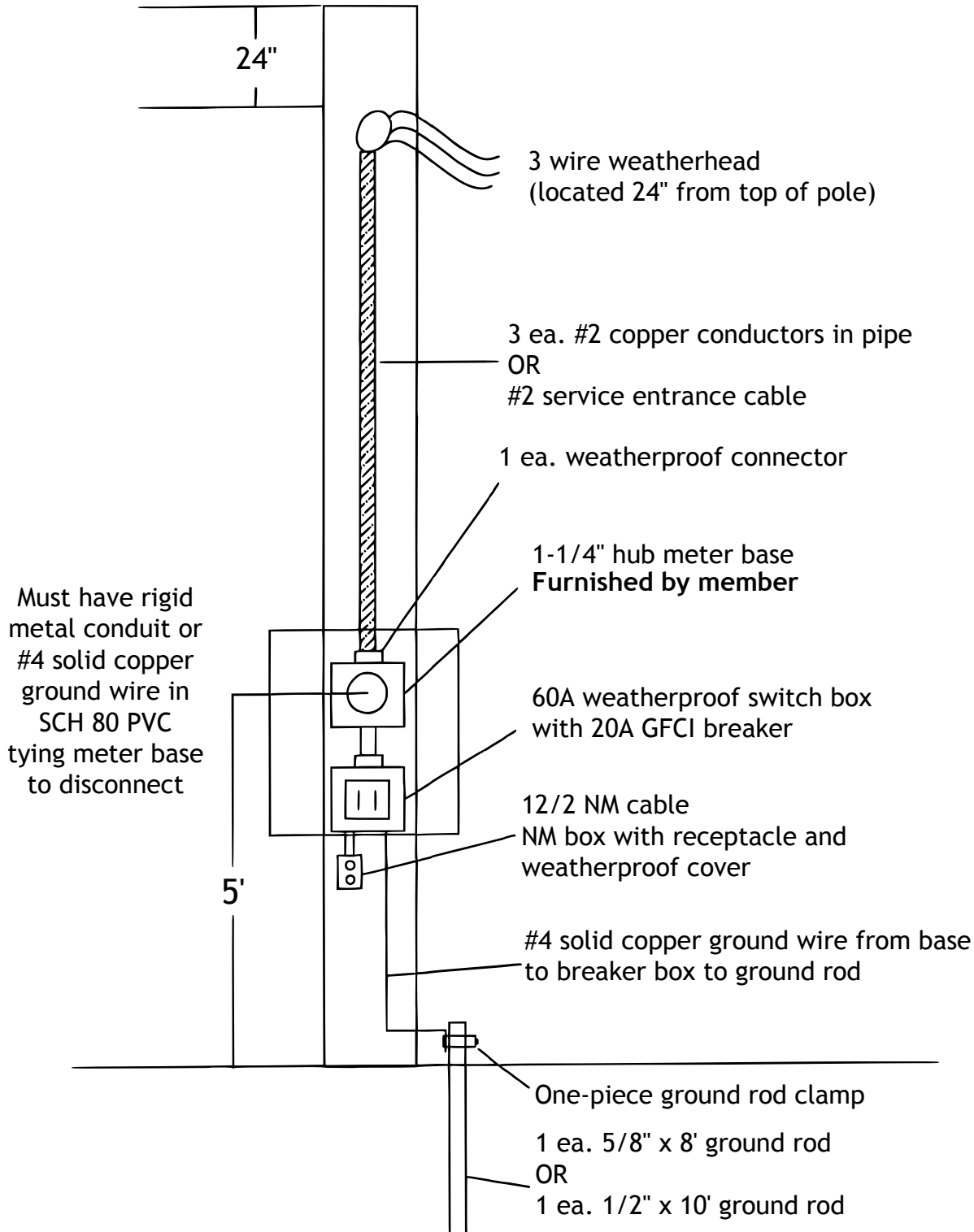


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## TEMPORARY METER POLE INSTALLATION MEMBER PROVIDED

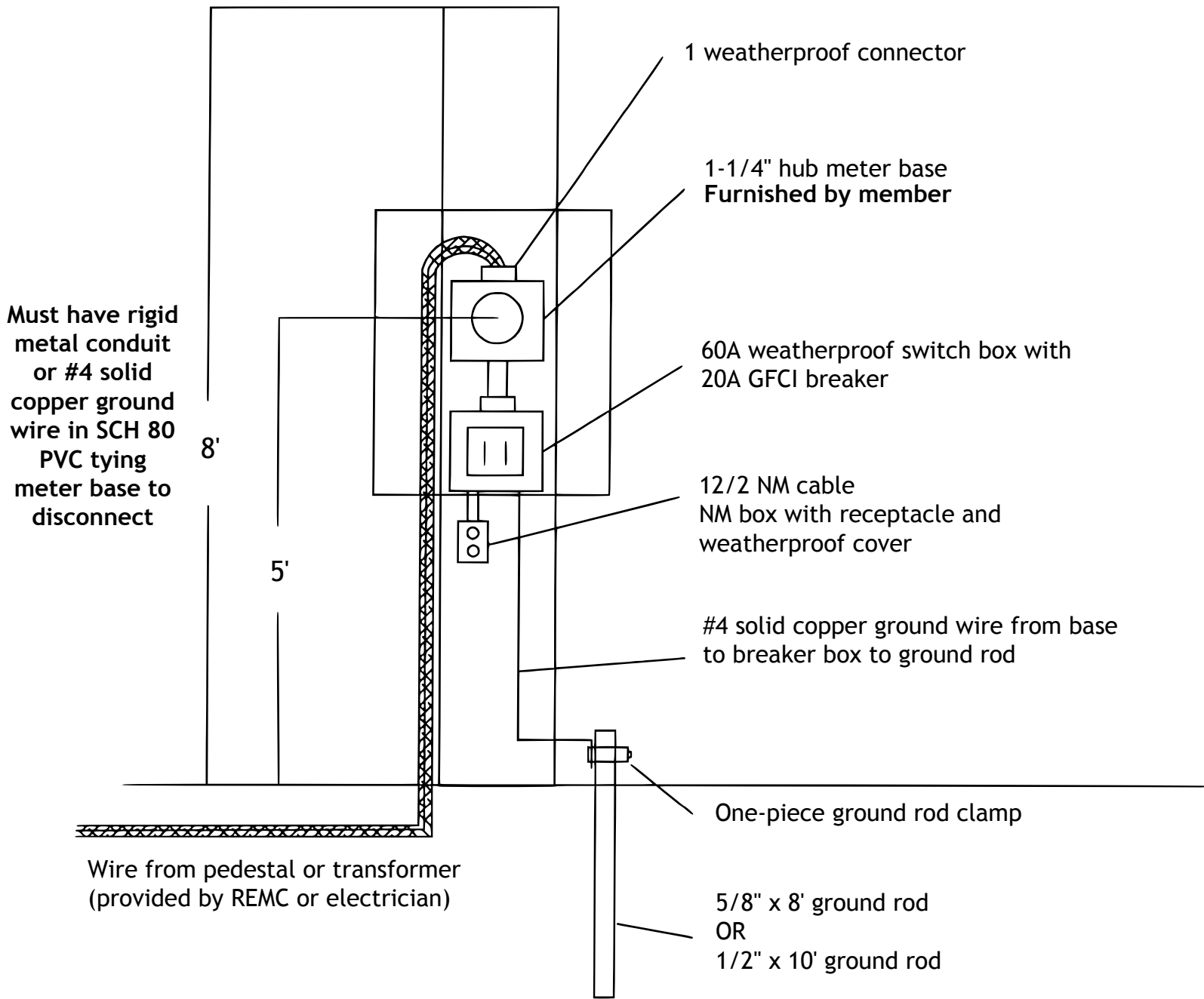
Location to be made by REMC within 50' of our  
transformer or existing service  
Temporary pole to be properly braced



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## TEMPORARY METER POLE URD INSTALLATION MEMBER PROVIDED

Location to be made by REMC within 5' of our  
 transformer or existing service  
 Temporary pole to be properly braced



# RESIDENTIAL 100-200A CONDUIT RISER SERVICE

Location of metering to be approved by REMC

Minimum over driveway: 12'6"  
 Minimum elsewhere: 10'6"  
 Minimum leads: 36" (Mark neutral)

## Roof Clearances

Mast head <= 48" from roof edge:  
 Within 6' radius of service mast: 18"  
 Outside 6' radius of service mast: 36"  
 Mast head > 48" from roof edge: 36"

### 200 Amp Service

### 100 Amp Service

2" conduit (galvanized steel)

2" conduit (galvanized steel)

3 - 3/0 RHW/THW/THHW/THWN copper

3 - #2 RHW/THW/THHW/THWN copper

1 - meter base (2" hub)  
 2" insulated bushings and lock nuts

1 - meter base (2" hub)  
 2" insulated bushings and lock nuts

200A main service entrance panel

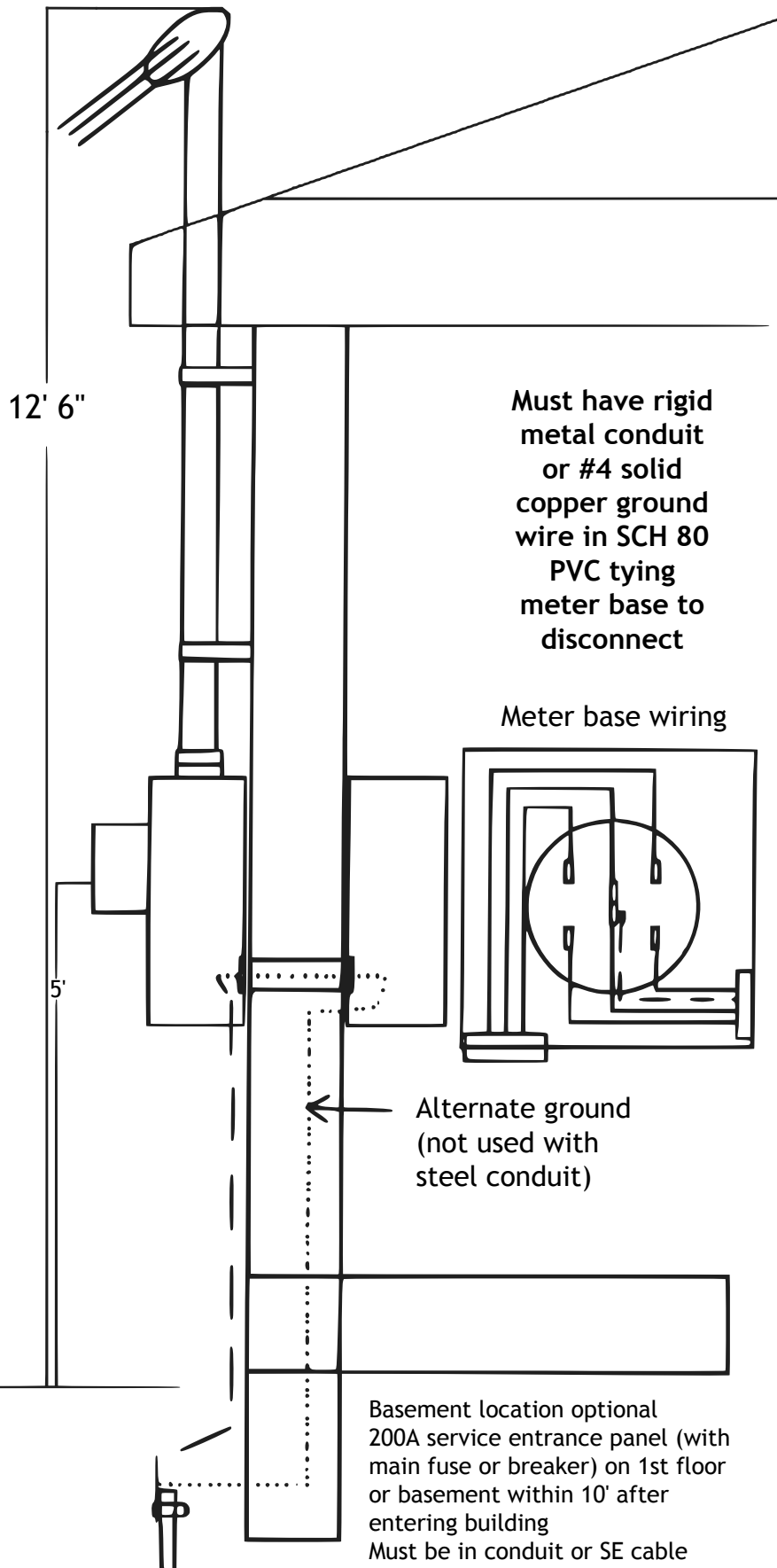
100A main service entrance panel

## Grounding

#4 solid copper ground wire from base to breaker box to ground rod

1 ea. 5/8" x 8' ground rod  
 OR  
 1 ea. 1/2" x 10' ground rod  
 One-piece ground rod clamp

Must have steel conduit or #4 solid tying meter base to disconnect



Must have rigid metal conduit or #4 solid copper ground wire in SCH 80 PVC tying meter base to disconnect

Meter base wiring

Alternate ground (not used with steel conduit)

Basement location optional  
 200A service entrance panel (with main fuse or breaker) on 1st floor or basement within 10' after entering building  
 Must be in conduit or SE cable

# RESIDENTIAL 200A UNDERGROUND SERVICE

Location of metering to be approved by REMC  
 All underground requires  $\geq$  200A service

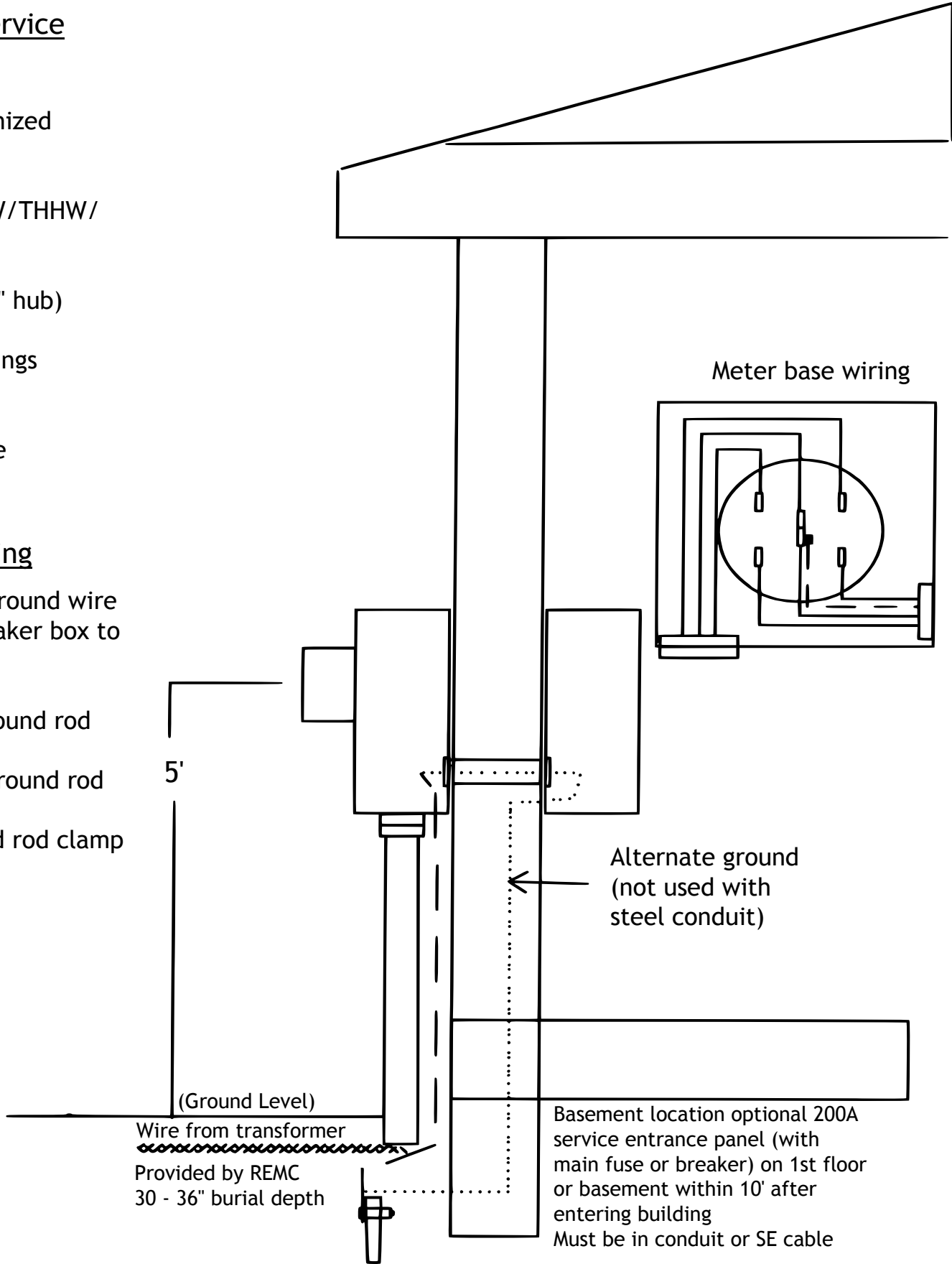
## 200 Amp Service

- 2" conduit (galvanized steel)
- 3 - 3/0 RHW/THW/THHW/THWN copper
- 1 - meter base (2" hub)
- 2" insulated bushings and lock nuts
- 200A main service entrance panel

## Grounding

- #4 solid copper ground wire from base to breaker box to ground rod
- 1 ea. 5/8" x 8' ground rod OR
- 1 ea. 1/2" x 10' ground rod
- One-piece ground rod clamp

**Must have rigid metal conduit or #4 solid copper ground wire in SCH 80 PVC tying meter base to disconnect**



5'

(Ground Level)

Wire from transformer  
 Provided by REMC  
 30 - 36" burial depth

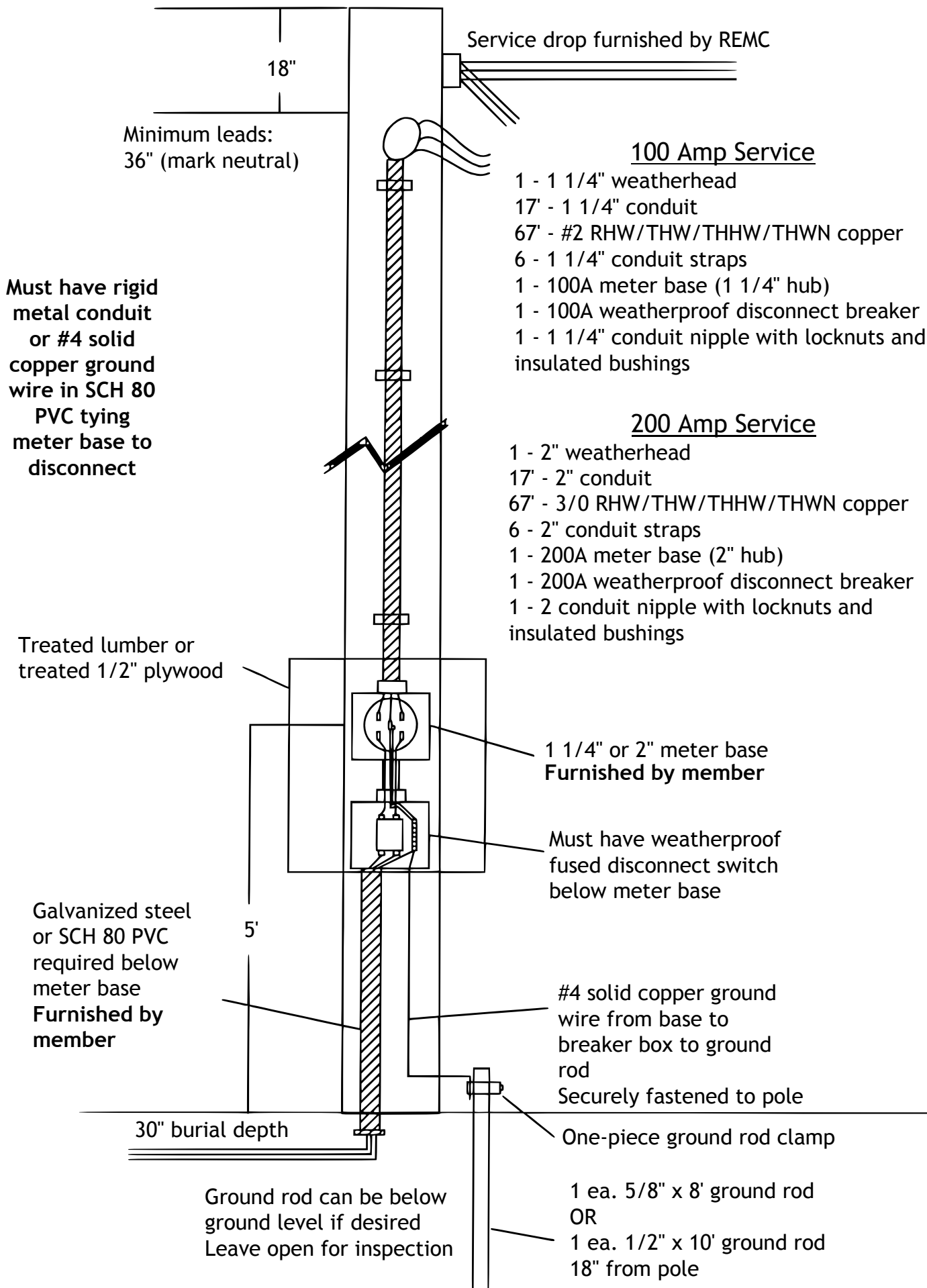
Meter base wiring

Alternate ground  
 (not used with steel conduit)

Basement location optional 200A service entrance panel (with main fuse or breaker) on 1st floor or basement within 10' after entering building  
 Must be in conduit or SE cable

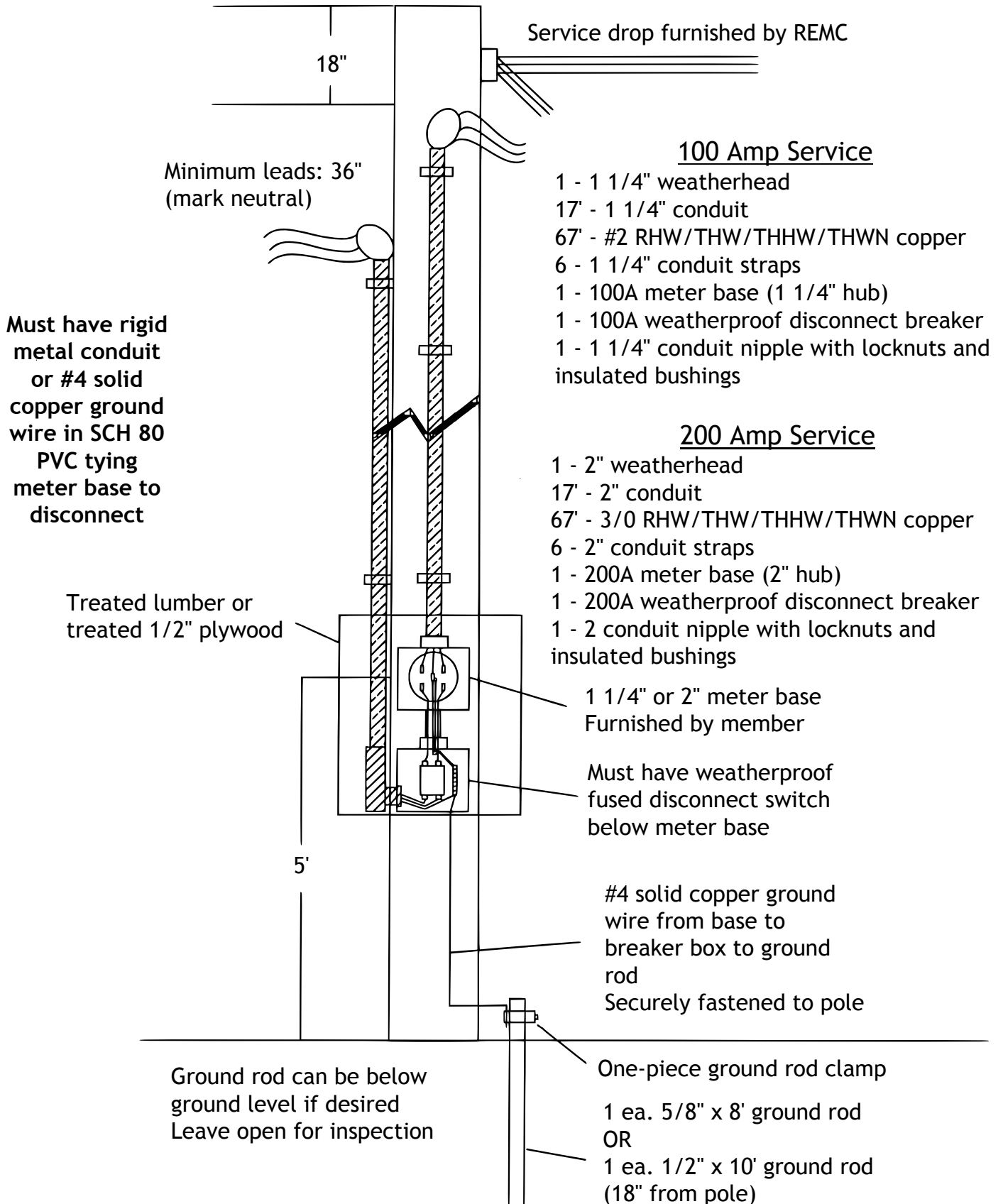
# METER POLE FOR UNDERGROUND SERVICE

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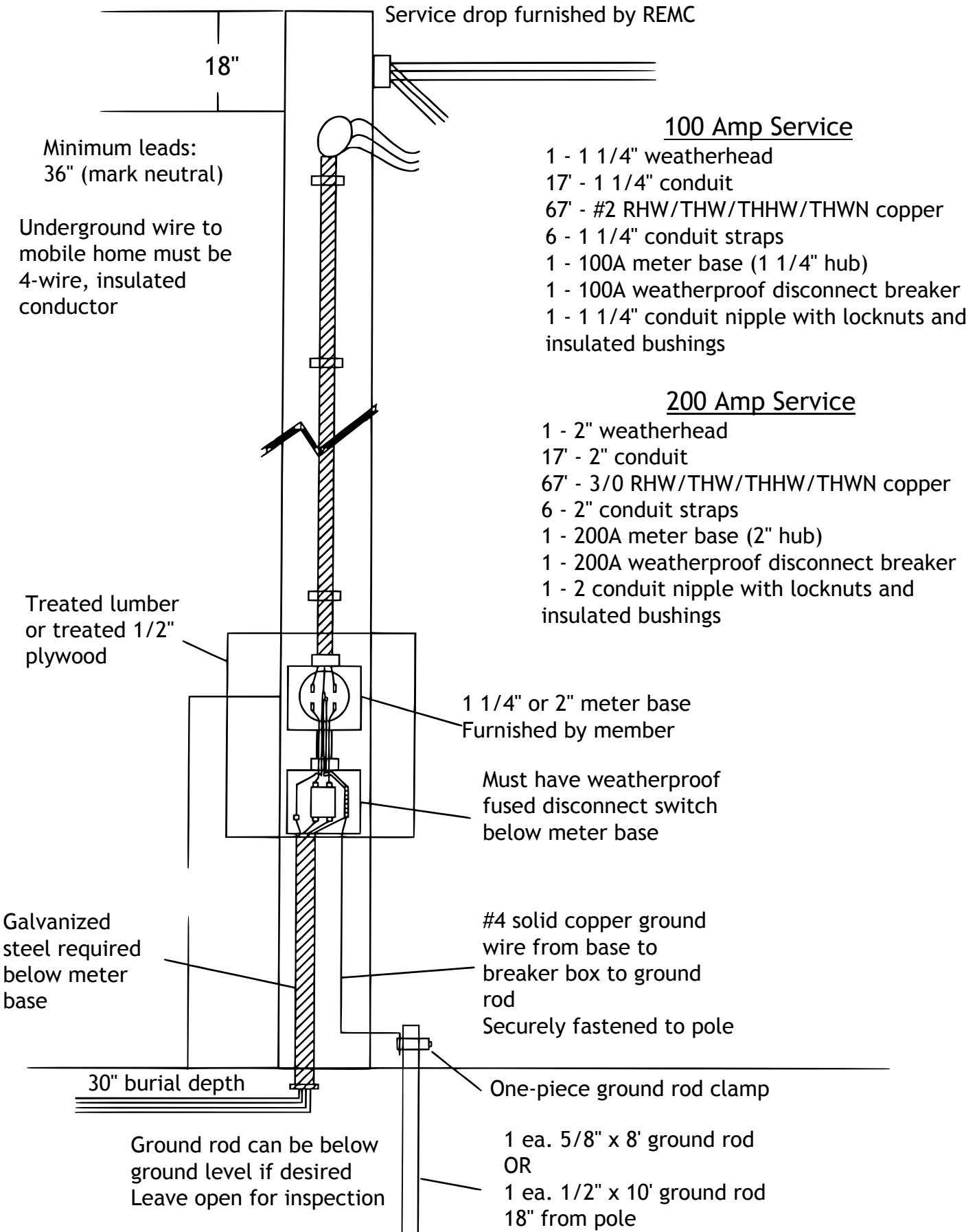


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# METER POLE FOR OVERHEAD SERVICE



# MOBILE HOME UNDERGROUND SERVICE



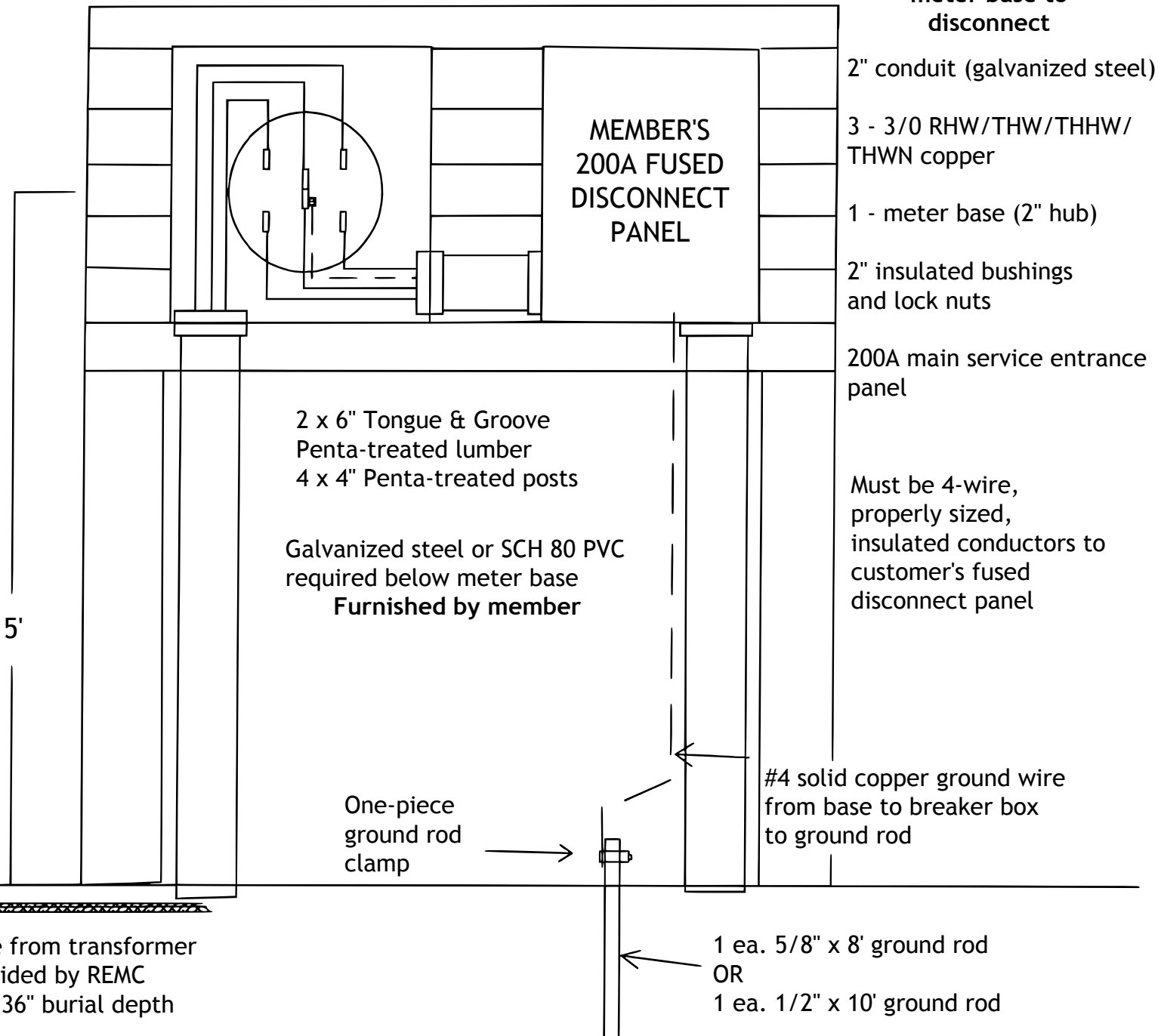
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# 200A UNDERGROUND SERVICE PANEL BOARD

Location of metering to be approved by REMC

All underground requires  $\geq$  200A service

Must have rigid metal conduit or #4 solid copper ground wire in SCH 80 PVC tying meter base to disconnect





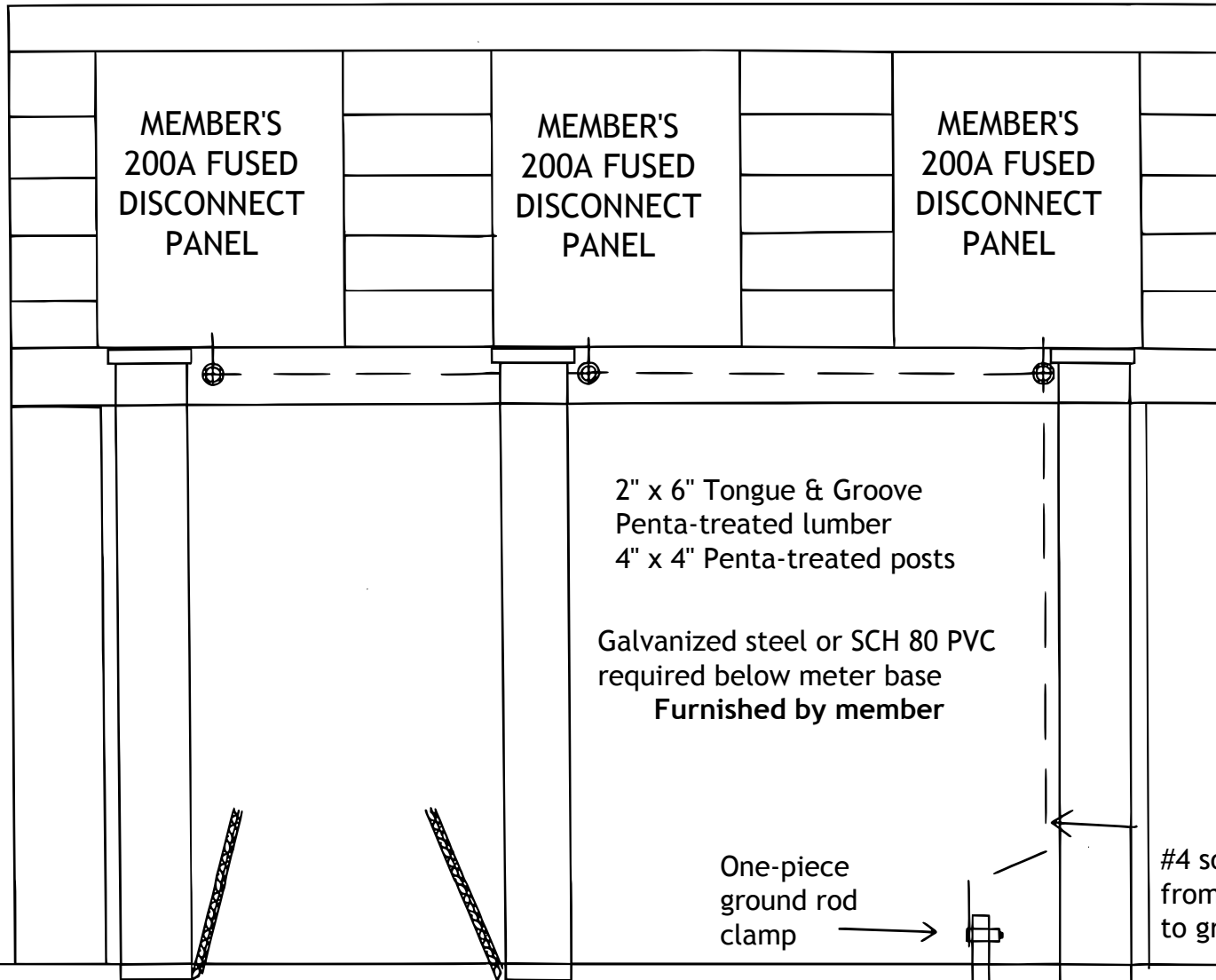


# 600A CT UNDERGROUND SERVICE

Location of metering to be approved by REMC  
 All underground requires  $\geq$  200A service

Center of fused disconnect is 5' above ground level

- 3 - 2" conduit
- 9 - 3/0 RHW, THW, THHW, THWN copper
- 2" insulated bushings and lock nuts
- 3 - 200A main service entrance panels



Must have rigid metal conduit or #4 solid copper ground wire in SCH 80 PVC tying meter base to disconnect

Must be 4-wire, properly sized, insulated conductors from fused disconnect to load

One-piece ground rod clamp

#4 solid copper ground wire from base to breaker box to ground rod

3 wire to transformer  
 Burial depth 30 - 36"  
 Furnished by member

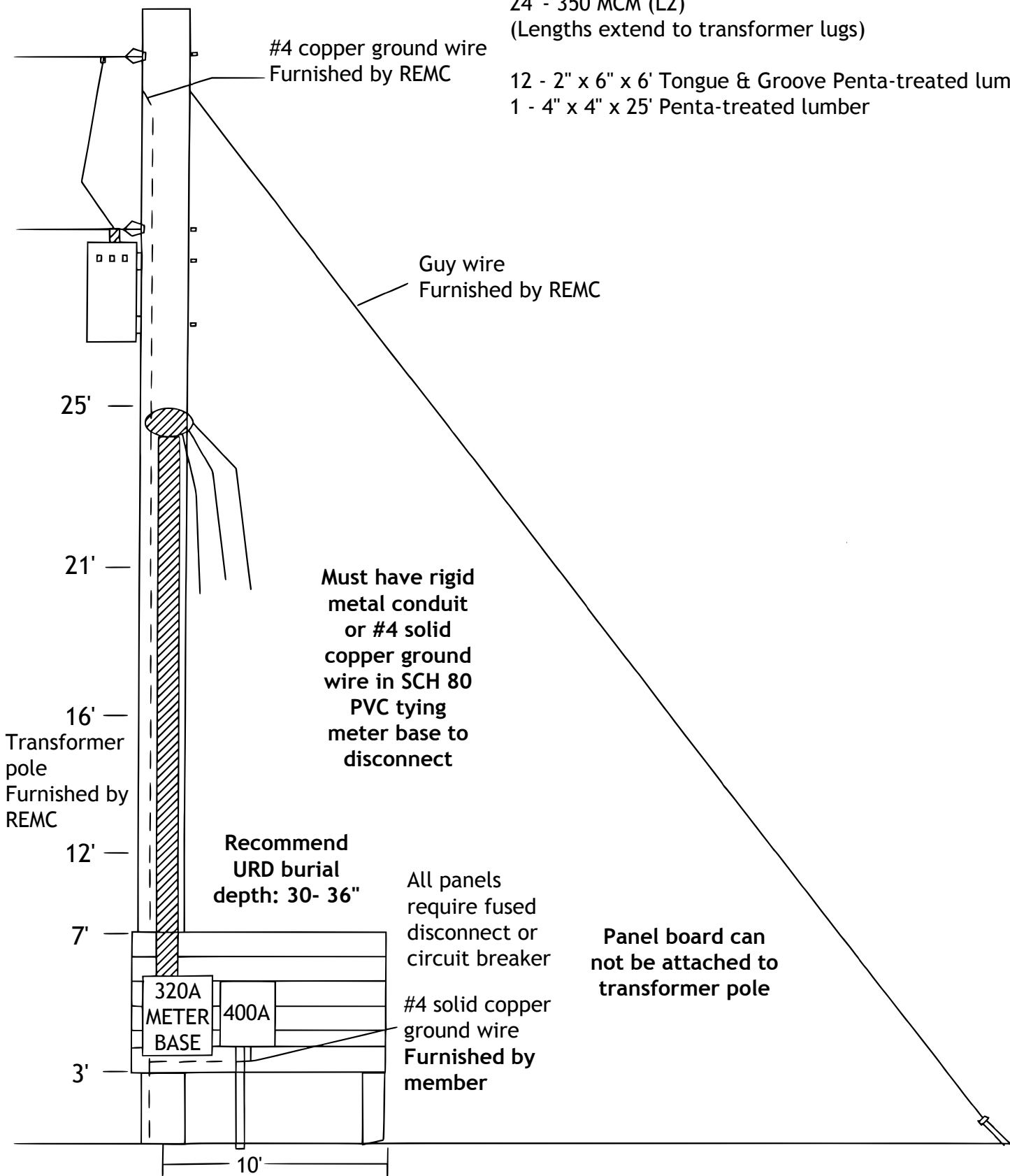
1 ea. 5/8" x 8' ground rod  
 OR  
 1 ea. 1/2" x 10' ground rod

# 400A TRANSFORMER PANEL WITH PANEL BOARD

Furnished by member for transformer pole 24'

24' - 4/0 (N)  
 24' - 350 MCM (L1)  
 24' - 350 MCM (L2)  
 (Lengths extend to transformer lugs)

12 - 2" x 6" x 6' Tongue & Groove Penta-treated lumber  
 1 - 4" x 4" x 25' Penta-treated lumber



#4 copper ground wire  
 Furnished by REMC

Guy wire  
 Furnished by REMC

Must have rigid metal conduit or #4 solid copper ground wire in SCH 80 PVC tying meter base to disconnect

Recommend URD burial depth: 30- 36"

All panels require fused disconnect or circuit breaker

Panel board can not be attached to transformer pole

#4 solid copper ground wire  
 Furnished by member

2 1/2" Galvanized steel or SCH 80 PVC required below meter base  
 Furnished by member

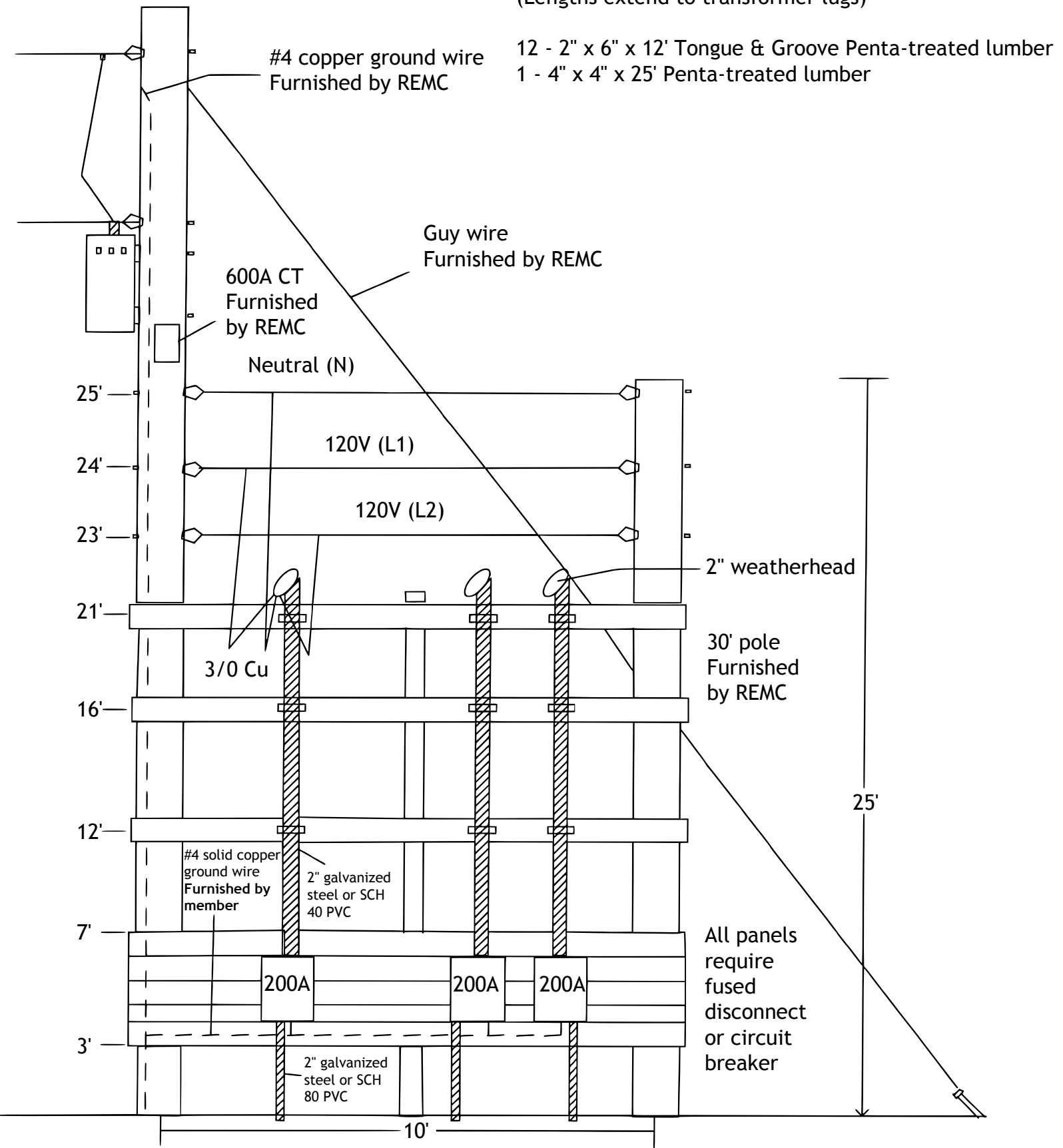
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# 600A H-FRAME

Furnished by member for transformer pole

24' - 350 MCM (N)  
 24' - 500 MCM (L1)  
 24' - 500 MCM (L2)  
 (Lengths extend to transformer lugs)

12 - 2" x 6" x 12' Tongue & Groove Penta-treated lumber  
 1 - 4" x 4" x 25' Penta-treated lumber



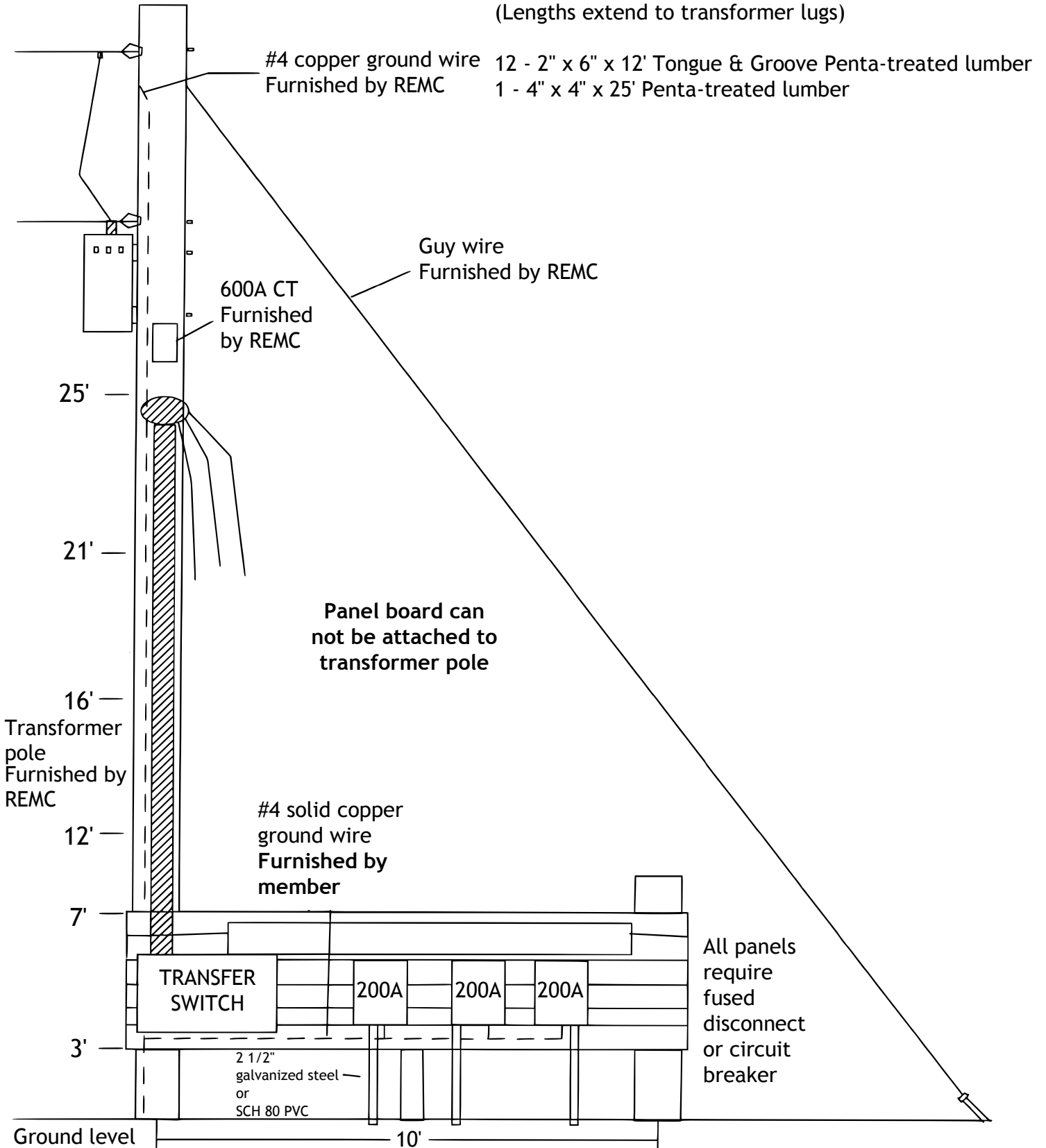
Recommend  
 URD burial  
 depth: 30- 36"

600A H-FRAME WITH TRANSFER SWITCH FOR STANDBY POWER

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Furnished by member for transformer pole

24' - 350 MCM (N)  
24' - 500 MCM (L1)  
24' - 500 MCM (L2)  
(Lengths extend to transformer lugs)



Recommend URD  
burial depth: 30- 36"  
Furnished by member

# INTERCONNECTION GENERATION METERING SPEC SHEET

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The generation installation must comply with the requirements of the current National Electrical Code (NEC), National Electrical Safety Code (NESC), Underwriters Laboratory (UL) 1741, and any other applicable national, state, and local codes and ordinances

Location of the disconnect to be approved by REMC

