

Grounding bushings shall be installed on metal nipples in the meter socket and panel box.

Install conduits and connect to existing stub out near the property line. Both 1" fiber conduit and 2" electric service conduit.

If Service is larger than 200A's.
2 ground rods are required.
Need to be minimum of 6 feet apart.

Call Before You Dig 811 or 1-800-482-8998

The Customer shall notify Arkansas One Call and shall have One Call locate all underground facilities before digging. It shall be the responsibility of the customer to stay clear of all underground facilities.

ELECTRICIANS!!: Always contact PLWC before installing the service entrance.

NOTES:

1. Customer facilities shall comply with the National Electrical Code and authorities having jurisdiction.
2. Meter socket shall be Furnished, installed, and maintained by the customer.
3. No bends are allowed. concrete footing shall be removed as needed to allow a straight run of conduit to the sweep 90 buried below ground.
4. Ground wire shall be attached to wall in PVC, NEC Code 250.52

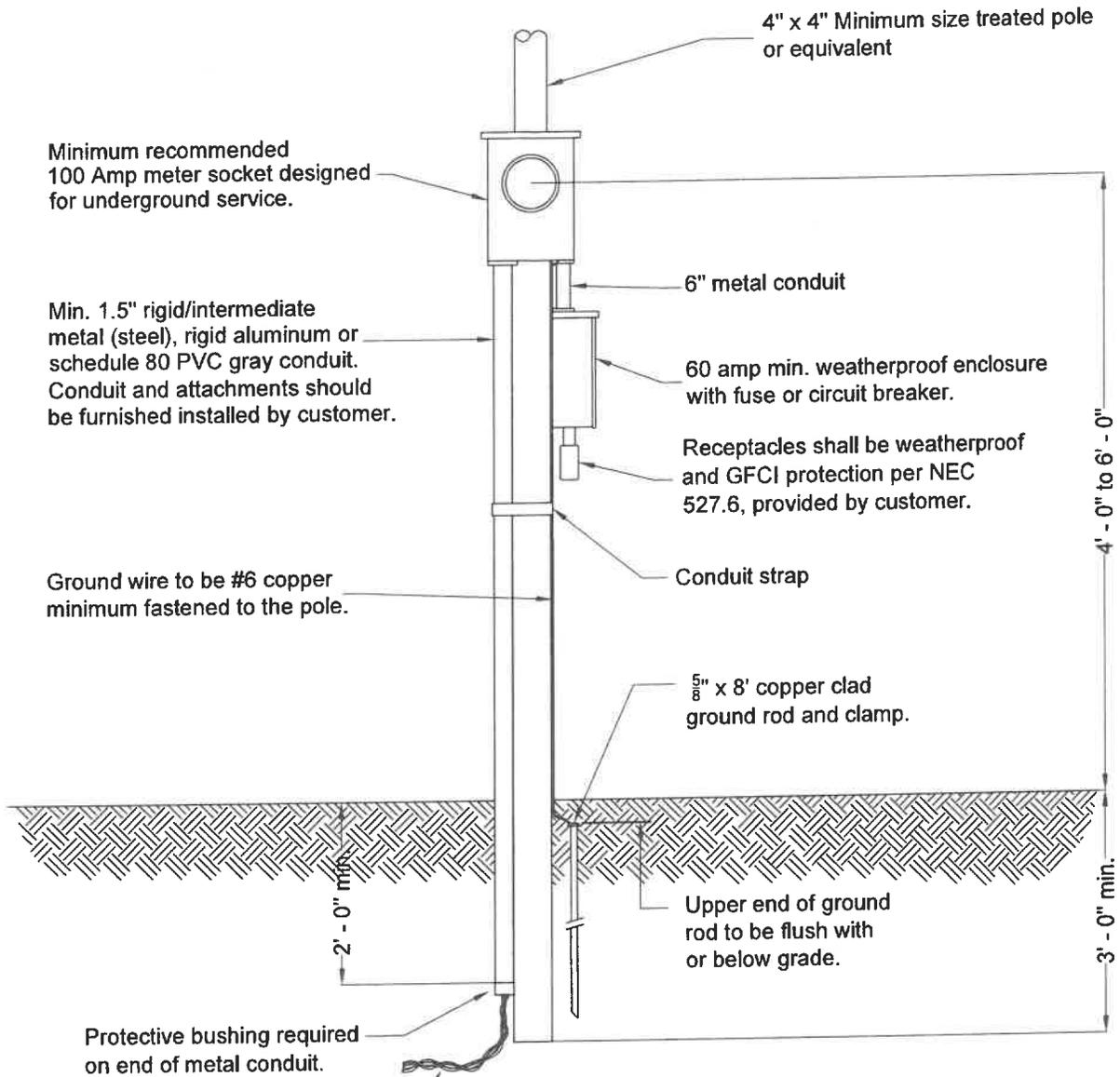
CUSTOMER INSTALLATION MINIMUM WIRING SIZE FOR SINGLE FAMILY DWELLING

EXPECTED LOAD	CONDUIT SIZE	COPPER (INSULATION PER NEC)	ALUMINUM (INSULATION PER NEC)
200 Amp	2"	2/0	ASK PLWC
320 Amp	3"	350 kcm	ASK PLWC

NEC= National Electric Code (current code requirement)

PARAGOULD LIGHT WATER AND CABLE	
UNDERGROUND SECONDARY & FIBER	
SERVING A RESIDENCE / MFG HOME	
APPROVED BY: DM	DATE: 11/22/2019
CHECKED BY: DM DH RK GW JC BL DR ES JB	
DRAWN BY: LL	DWG # : 1020
PLWC	OFFICE PHONE # 870-239-7700

Temp shall be on right hand side when facing front of underground transformer



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811 or 1-800-482-8998**

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ELECTRICIANS!!: Always contact PLWC before installing the service entrance.

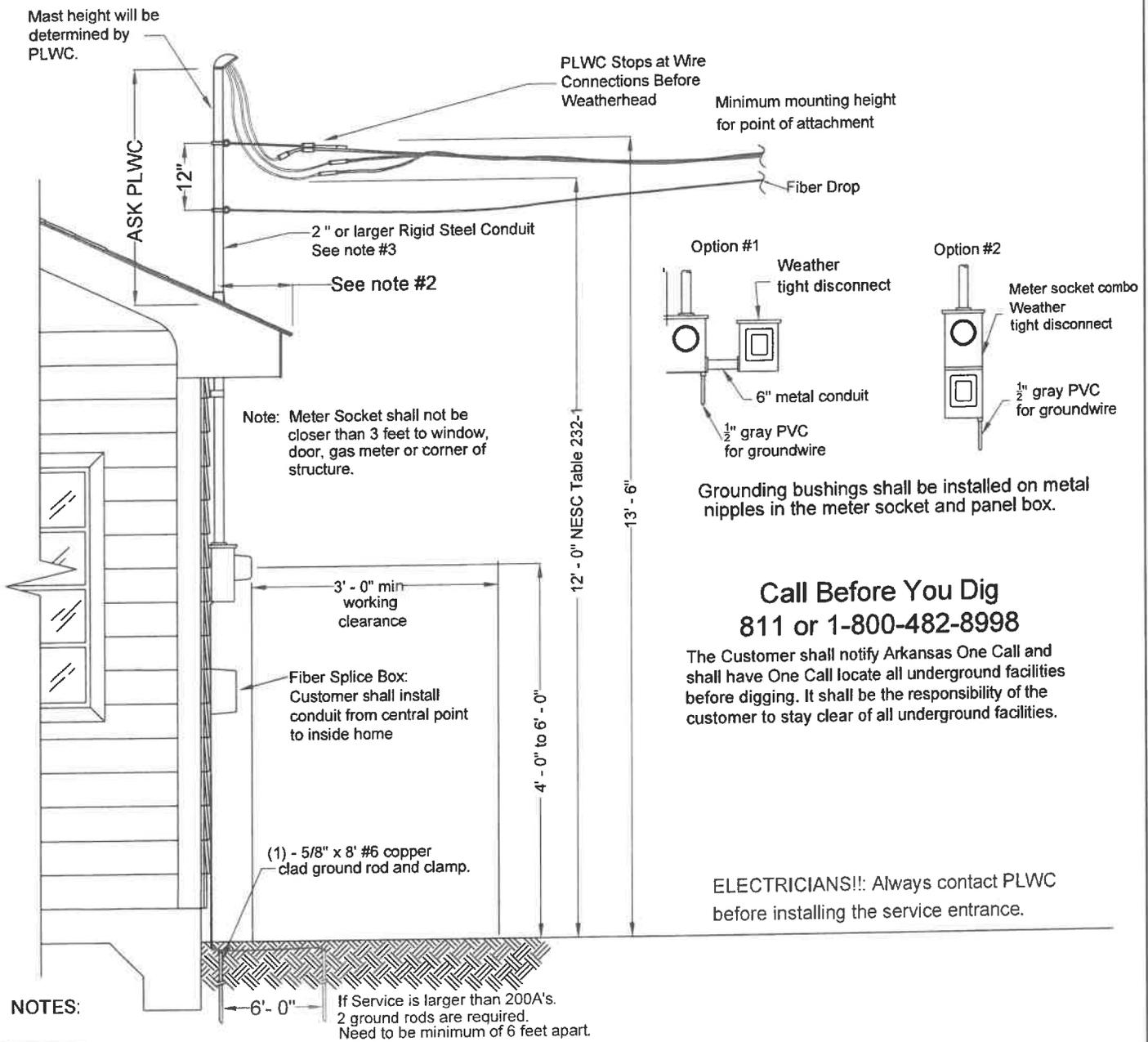
NOTES:

1. Customer facilities shall comply with the National Electrical Code and authorities having jurisdiction.
2. Customer provides minimum wire size of #6 copper. The service should be long enough to reach the connection point inside the pedestal or transformer.
3. All conduit connections to be raintight.
4. Customer to trench to within 12" of pedestal or transformer. Minimum depth of trench is 24".
5. Location of underground cables shall be identified prior to digging.
6. Ground wire shall be attached to wall in PVC, NEC Code 250.52

EXPECTED LOAD	CONDUIT SIZE	COPPER (INSULATION PER NEC)	Alumium (INSULATION PER NEC)	NEUTRAL WIRE SIZE	GROUND WIRE SIZE
100 Amp	2"	#4	#2	same as phase	#6 Cu
200 Amp	2"	2/0	4/0	same as phase	#6 Cu

NEC = National Electric Code (current code requirement)

PARAGOULD LIGHT WATER AND CABLE	
TEMPORARY SERVICE FROM AN UNDERGROUND SOURCE	
APPROVED BY: DM	DATE: 11/22/2019
CHECKED BY: DM DH RK GW JC BL DR ES JB	
DRAWN BY: LL	DWG #: 1010
PLWC	OFFICE PHONE # 870-239-7700



Call Before You Dig
811 or 1-800-482-8998

The Customer shall notify Arkansas One Call and shall have One Call locate all underground facilities before digging. It shall be the responsibility of the customer to stay clear of all underground facilities.

ELECTRICIANS!!: Always contact PLWC before installing the service entrance.

NOTES:

1. Customer facilities shall comply with the National Electrical Code and authorities having jurisdiction.
2. Distance from fascia to center of mast to be no more than 4'-0" max. NEC 230.29
3. Only continuous rigid steel 2", 2.5", 3" or IMC conduit can be used above the roof.
4. A minimum of 18" of each conductor shall extend from the top of the service mast. The neutral shall be marked with white tape at both ends.
5. Customer shall Furnish and install meter socket.
6. No telephone attachment allowed on mast.
7. Ground wire shall be attached to wall in PVC, NEC Code 250.52
8. Any Service greater than 320 amps, consult PLWC.

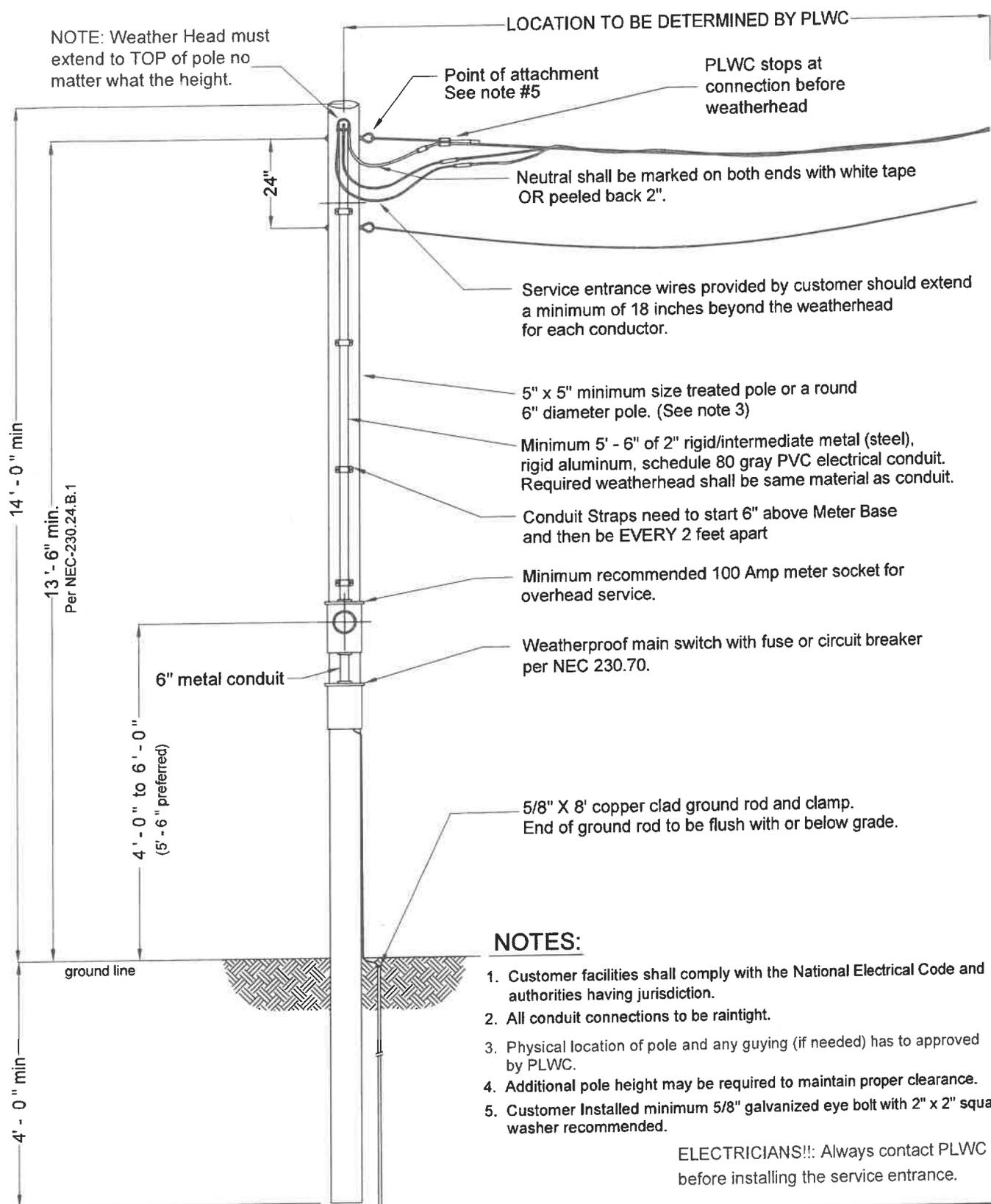
CUSTOMER INSTALLATION MINIMUM WIRING SIZE FOR SINGLE FAMILY DWELLING

EXPECTED LOAD	CONDUIT SIZE	COPPER (INSULATION PER NEC)	ALUMINUM (INSULATION PER NEC)	NEUTRAL WIRE SIZE	GROUND WIRE SIZE
200 Amp	2"	2/0	ASK PLWC	same as phase	#6 Cu
320 Amp	Ask PLWC	350 kcm	ASK PLWC	same as phase	#6 Cu

NEC = National Electric Code (current code requirement)

PARAGOULD LIGHT WATER AND CABLE	
TYPICAL PERMANENT OVERHEAD RESIDENTIAL SERVICE #2	
APPROVED BY: DM	DATE: 11/22/2019
CHECKED BY: DM DH RK GW JC BL DR ES JB	
DRAWN BY: LL	DWG #: 1030
PLWC	OFFICE PHONE # 870-239-7700

NOTE: Weather Head must extend to TOP of pole no matter what the height.



NOTES:

1. Customer facilities shall comply with the National Electrical Code and authorities having jurisdiction.
2. All conduit connections to be raintight.
3. Physical location of pole and any guying (if needed) has to approved by PLWC.
4. Additional pole height may be required to maintain proper clearance.
5. Customer Installed minimum 5/8" galvanized eye bolt with 2" x 2" square washer recommended.

ELECTRICIANS!!: Always contact PLWC before installing the service entrance.

EXPECTED LOAD	CONDUIT SIZE	COPPER (INSULATION PER NEC)	NEUTRAL WIRE SIZE	GROUND WIRE SIZE
100 Amp	2"	#4	same as phase	#6 Cu
200 Amp	2"	2/0	same as phase	#6 Cu
320 Amp	2 1/2, 3"	350 kcm	same as phase	#6 Cu

Call before you dig 811 or 1-800-482-8998

The Customer shall notify Arkansas One Call and shall have One Call locate all underground facilities before digging. It shall be the responsibility of the Customer to stay clear of all underground facilities.
 NEC = National Electric Code (current code requirements)

PARAGOULD LIGHT WATER AND CABLE	
SERVICE FROM AN OVERHEAD SOURCE	
APPROVED BY: DM	DATE: 11/22/2019
CHECKED BY: DM DH RK GW JC BL DR ES JB	
DRAWN BY: LL	DWG # : 1050
PLWC	OFFICE PHONE #
	870-239-7700

NOTE: Weather Head must extend to TOP of pole no matter what the height.

NO MORE THAN 50 FEET FROM PLWC POLE

Point of attachment
See note #5

PLWC stops at connection before weatherhead

Neutral shall be marked on both ends with white tape OR peeled back 2".

Service entrance wires provided by customer should extend a minimum of 18 inches beyond the weatherhead for each conductor.

5" x 5" minimum size treated pole or a round 6" diameter pole. (See note 3)

Conduit Straps need to start 6" above Meter Base and then be placed EVERY 24".

Minimum 5' - 6" of 2" rigid/intermediate metal (steel), rigid aluminum, schedule 80 gray PVC electrical conduit. Required weatherhead shall be same material as conduit.

Minimum recommended 100 Amp meter socket for overhead service.

Weatherproof main switch with fuse or circuit breaker per NEC 230.70.

Receptacles shall be weatherproof and GFCI protected per NEC 527.6.

5/8" X 8' copper clad ground rod and clamp.
End of ground rod to be flush with or below grade.

11' - 6" min.
11' - 0" min.
Per NEC-230.24.B.1

4' - 0" to 6' - 0"
(5' - 6" preferred)

ground line

3' - 0" min

braced against pull

Apprx. 8 ft
Brace
Apprx. 6 ft
Up Pole

Braces 2" x 4" x 8'
See note 3

NOTES:

1. Customer facilities shall comply with the National Electrical Code and authorities having jurisdiction.
2. All conduit connections to be raintight.
3. Physical location of pole and any guying (if needed) has to be approved by PLWC.
4. Additional pole height may be required to maintain proper clearance.
5. Customer Installed minimum 1/2" galvanized eye bolt with 2" x 2" square washer recommended.

ELECTRICIANS!!: Always contact PLWC before installing the service entrance.

EXPECTED LOAD	CONDUIT SIZE	COPPER (INSULATION PER NEC)	Alumium (INSULATION PER NEC)	NEUTRAL WIRE SIZE	GROUND WIRE SIZE
100 Amp	2"	#4	#2	same as phase	#6 Cu
200 Amp	2"	2/0	4/0	same as phase	#6 Cu

Call before you dig 811 or 1-800-482-8998

The Customer shall notify Arkansas One Call and shall have One Call locate all underground facilities before digging. It shall be the responsibility of the Customer to stay clear of all underground facilities.
NEC = National Electric Code (current code requirements)

PARAGOULD LIGHT WATER AND CABLE

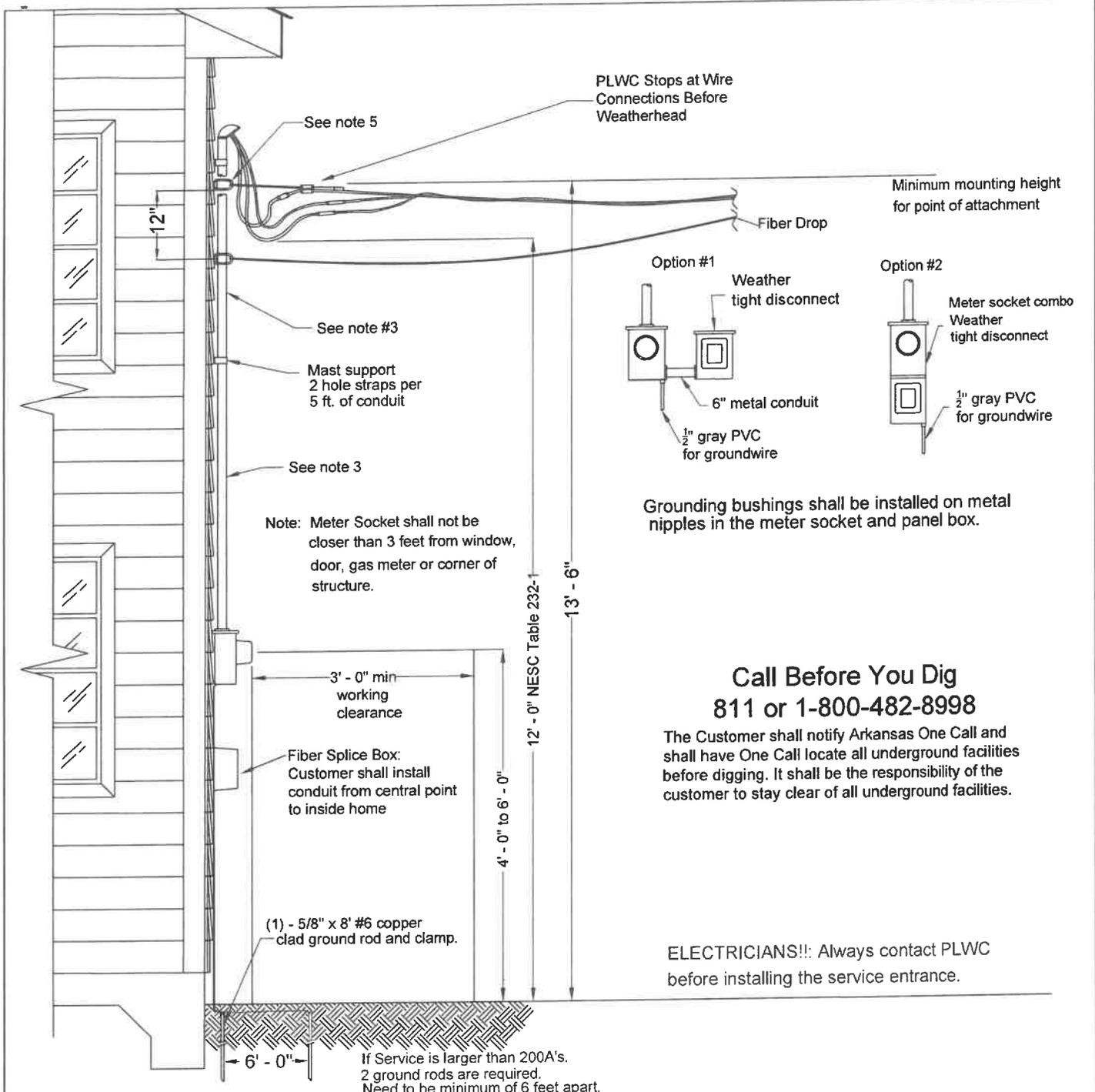
TEMPORARY SERVICE FROM AN OVERHEAD SOURCE

APPROVED BY: DM DATE: 11/22/2019

CHECKED BY: DM DH RK GW JC BL DR ES JB

DRAWN BY: LL DWG #: 1011

PLWC OFFICE PHONE #
870-239-7700



Call Before You Dig
811 or 1-800-482-8998

The Customer shall notify Arkansas One Call and shall have One Call locate all underground facilities before digging. It shall be the responsibility of the customer to stay clear of all underground facilities.

ELECTRICIANS!!: Always contact PLWC before installing the service entrance.

NOTES:

- Customer facilities shall comply with the National Electrical Code and authorities having jurisdiction.
- Buildings or other facilities shall not be constructed under existing company supply lines.
- Use 2", 2.5", or 3" Rigid/intermediate metal (steel), rigid aluminum, or schedule 80 PVC gray electrical conduit. Weatherhead shall be same material as the conduit.
- A minimum of 18" of each conductor shall extend from the top of the service mast. The neutral shall be marked with white tape on both ends.
- Customer shall install point of attachment. (minimum 5/8" galvanized eye bolt recommended)
- Customer shall Furnish and install meter socket.
- Ground wire shall be attached to wall in 1/2" gray PVC conduit.
- Any Service greater than 200 amps, consult PLWC.

CUSTOMER INSTALLATION MINIMUM WIRING SIZE FOR SINGLE FAMILY DWELLING

EXPECTED LOAD	CONDUIT SIZE	COPPER (INSULATION PER NEC)	ALUMINUM (INSULATION PER NEC)	NEUTRAL WIRE SIZE	GROUND WIRE SIZE
200 Amp	2"	2/0	ASK PLWC	same as phase	#6 Cu
320 Amp	Ask PLWC	350 kcm	ASK PLWC	same as phase	#6 Cu

NEC= National Electric Code
 Current Code Requirement

PARAGOULD LIGHT, WATER, AND CABLE	
TYPICAL PERMANENT OVERHEAD	
RESIDENTIAL SERVICE #1	
APPROVED BY: DM	DATE: 11/22/2019
CHECKED BY: DM DH RK GW JC BL DR ES JB	
DRAWN BY: LL	DWG #: 1040
PLWC	OFFICE PHONE #
	870-239-7700