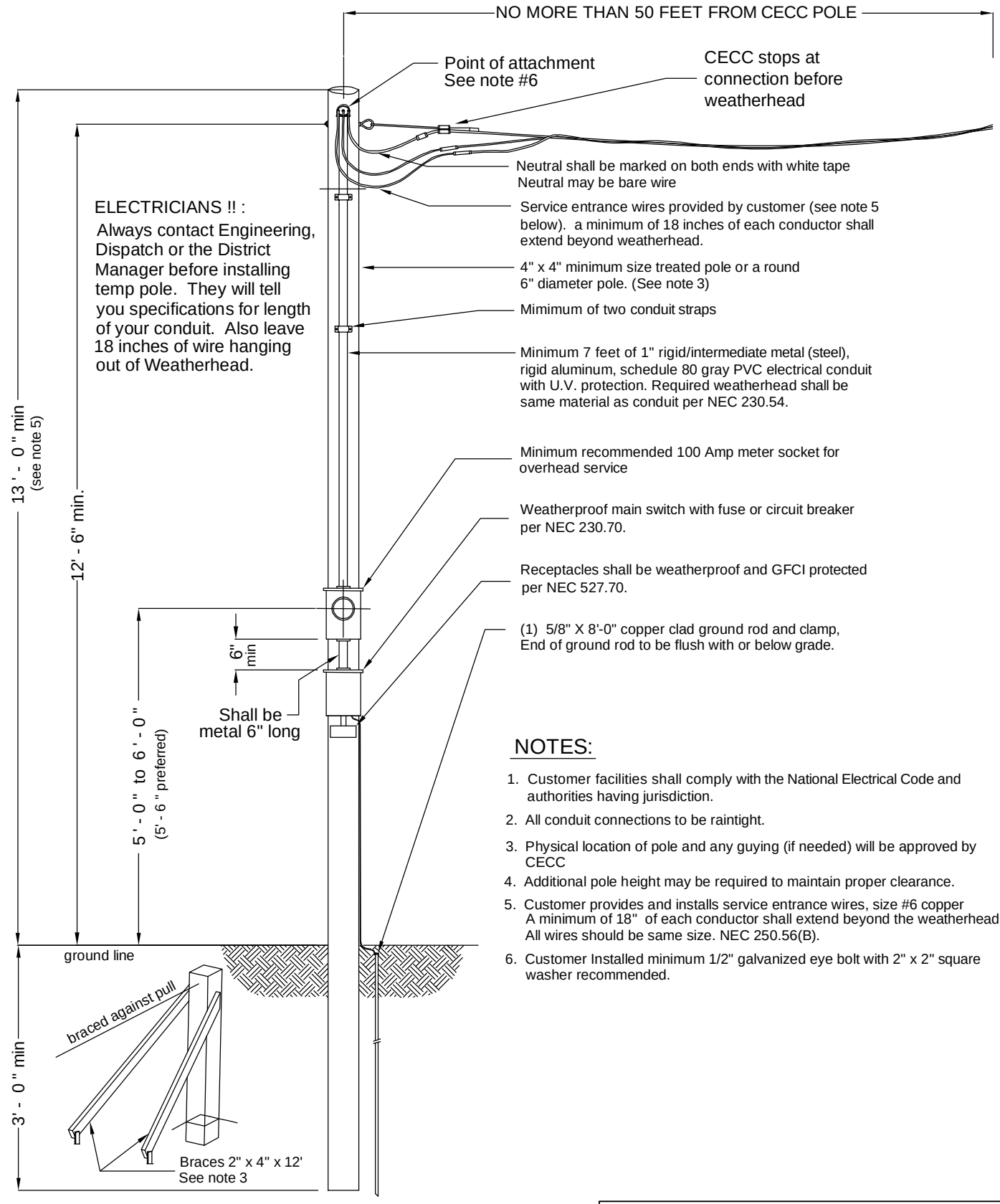
Craighead Electric
Cooperative Corporation

Service Specification Guide

Version 6/15/2011

Discard Previous or
Unmarked Versions

Original 060628



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) will be approved by CECC
4. Additional pole height may be required to maintain proper clearance.
5. Customer provides and installs service entrance wires, size #6 copper A minimum of 18" of each conductor shall extend beyond the weatherhead. All wires should be same size. NEC 250.56(B).
6. Customer Installed minimum 1/2" galvanized eye bolt with 2" x 2" square washer recommended.

Call before you dig 1-800-482-8998

In location with underground facilities, 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 Requirement

CRAIGHEAD ELECTRIC COOPERATIVE

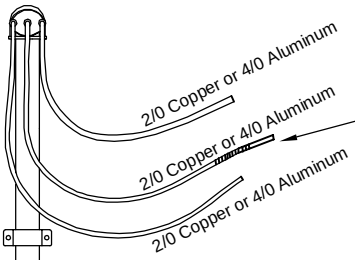
TEMPORARY SERVICE FROM AN OVERHEAD SOURCE

APPROVED BY: KB	DATE: 6-16-06
CHECKED BY: WG	SCALE: none
DRAWN BY: mbarnes	
	DWG NO.: 1101

CECC Stops at Wire Connections Before Weatherhead

ELECTRICIANS ! ! :

Always contact Engineering, Dispatch or the District Manager before building your service entrance. They will tell you specifications for length of your conduit. Also, leave 36 inches of wire hanging out of the weatherhead.



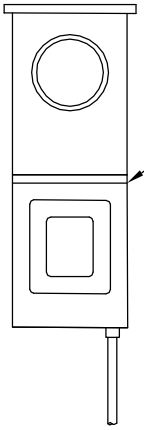
Mark Neutral with white tape.

30 ft pole = 15 ft conduit = 3, 2-hole conduit straps
35 ft pole = 20 ft conduit = 4, 2-hole conduit straps

Conduit must be 2 inch schedule 80 Electrical Gray PVC, I.M.C. or rigid. Your weatherhead shall be of the same material as conduit. Example: if you use plastic conduit, you must use plastic weatherhead.

Note: 1. Meter Loop shall comply with National Electrical Code and Authorities having jurisdiction.

2. Meter Loop shall be completely assembled.

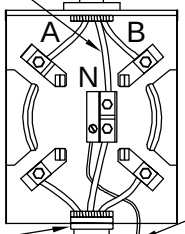


OPTION 2

Meter socket combo 200 Amp weather-tight disconnect

Mark Neutral with white tape

OPTION 1



Bushings & Locknuts

Pole ground wire shall be #6 copper & 18 inches long.

2 inch hub

must be metal nipple 6 inches long

200 Amp rain-tight fusable or breaker type disconnect.

Volt Reading:

A-B 240 VOLT
B-N 120 VOLT
A-N 120 VOLT

CUSTOMER INSTALLATION MINIMUM WIRING SIZE

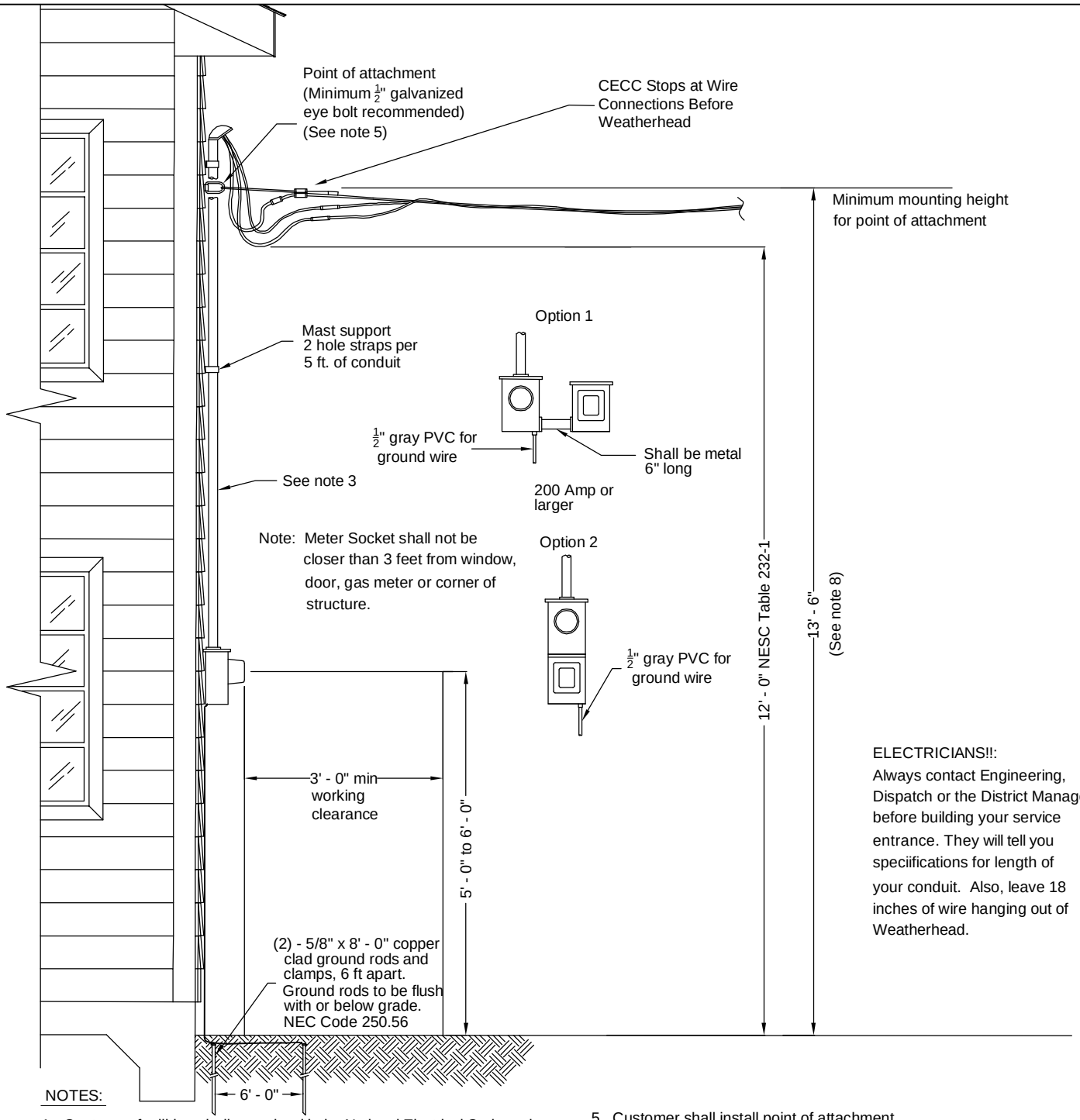
EXPECTED LOAD	CONDUIT SIZE	ALUMINUM (INSULATION PER NEC)	COPPER (INSULATION PER NEC)	NEUTRAL WIRE SIZE	GROUND WIRE SIZE
200 Amp	2 inches	4/0	2/0	same as phase	#6 Cu

NEC = National Electric Code
Current Code Requirement

CRAIGHEAD ELECTRIC COOPERATIVE

120/240 V SINGLE PHASE
200 AMP METER LOOP

APPROVED BY: KB	DATE: 5-24-11
CHECKED BY: KB	SCALE: none
DRAWN BY: mbarnes	
	DWG NO.: 1102



ELECTRICIANS!!:
Always contact Engineering, Dispatch or the District Manager before building your service entrance. They will tell you speciifications for length of your conduit. Also, leave 18 inches of wire hanging out of Weatherhead.

NOTES:

1. Customer facilities shall comply with the National Electrical Code and authorities having jurisdiction.
2. Buildings or other facilities shall not be constructed under existing company supply lines.
3. Rigid/intermediate metal (steel), rigid aluminum, or schedule 80 PVC gray electrical conduit Weatherhead shall be same material as the conduit.
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 on both ends.
5. Customer shall install point of attachment.
6. Customer shall install meter socket and Load Break switch or combo meter socket and main breaker.
7. Ground wire shall be attached to wall in 1/2" gray PVC conduit.
8. Any Service greater than 320 amps, consult CECC.

CUSTOMER INSTALLATION MINIMUM WIRING SIZE FOR SINGLE FAMILY DWELLING

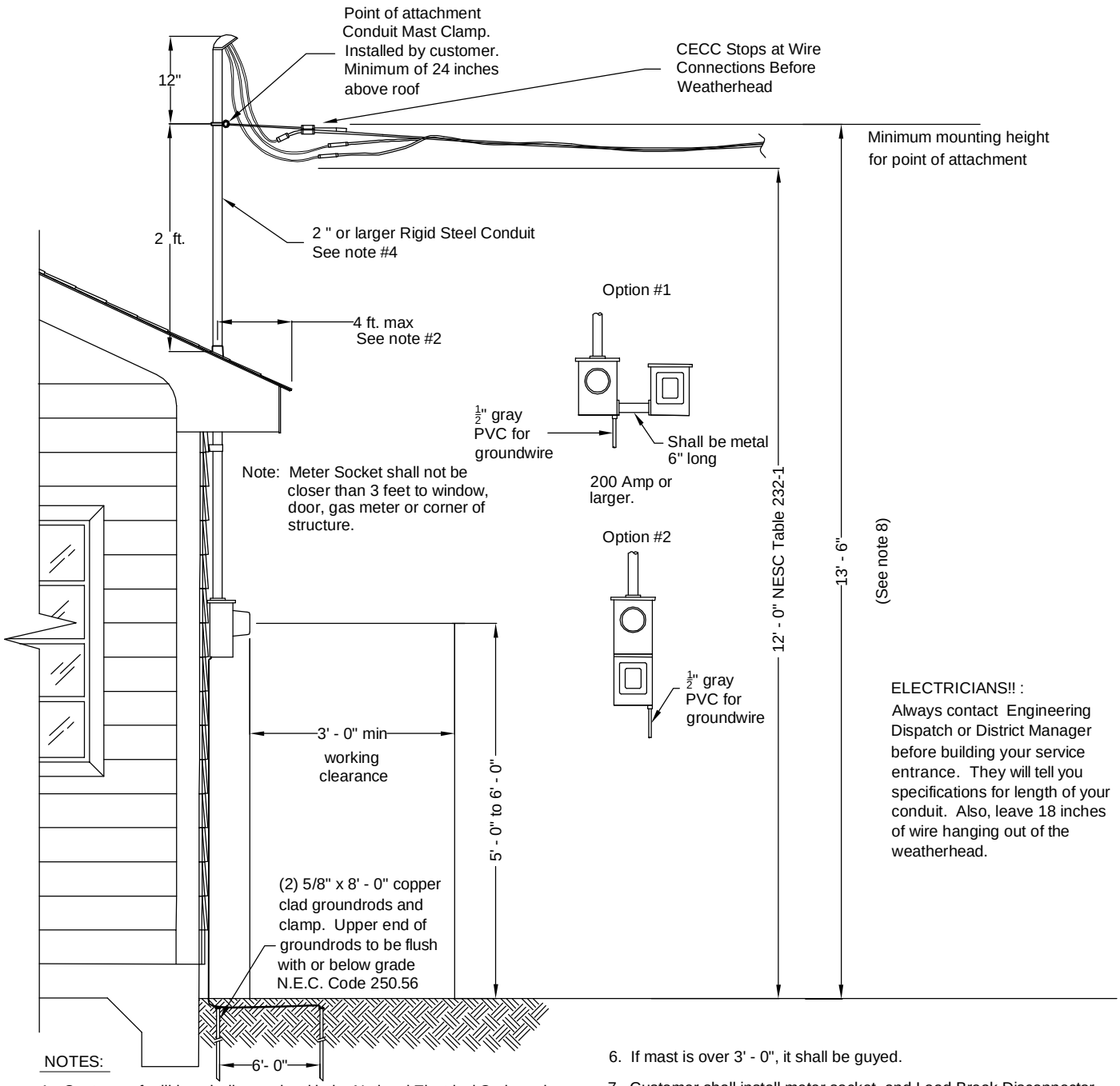
EXPECTED LOAD	CONDUIT SIZE	ALUMINUM (INSULATION PER NEC)	COPPER (INSULATION PER NEC)	NEUTRAL WIRE SIZE	GROUND WIRE SIZE
200 Amp	2 "	4/0	2/0	same as phase	#6 Cu
320 Amp	2 . 5, 3"	500 kcm	350 kcm	same as phase	#6 Cu

NEC= National Electric Code
Current Code Requirement

CRAIGHEAD ELECTRIC COOPERATIVE

TYPICAL PERMANENT OVERHEAD RESIDENTIAL SERVICE #1

APPROVED BY: KB	DATE: 5-30-06
CHECKED BY: WG	SCALE: none
DRAWN BY: mbarnes	
	DWG NO.: 1103



ELECTRICIANS!! :
Always contact Engineering Dispatch or District Manager before building your service entrance. They will tell you specifications for length of your conduit. Also, leave 18 inches of wire hanging out of the weatherhead.

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 4' - 0" max. NEC 230.29
3. Buildings or other facilities shall not be constructed under existing company supply lines.
4. Only continuous rigid steel 2 ", 2.5", 3" or IMC conduit can be used above the roof.
5. 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.
6. If mast is over 3' - 0", it shall be guyed.
7. Customer shall install meter socket, and Load Break Disconnector or Combo Socket with Main Breaker.
8. No telephone or cable attachment allowed on mast. NEC 230.28.
9. Ground wire shall be attached to wall in PVC, NEC Code 250.52
10. Any Service greater than 320 amps, consult CECC.
11. #6 Copper for Ground Rods. See NEC Code #250.66 A, B & C for other permitted grounds.

CUSTOMER INSTALLATION MINIMUM WIRING SIZE FOR SINGLE FAMILY DWELLING

EXPECTED LOAD	CONDUIT SIZE	ALUMINUM (INSULATION PER NEC)	COPPER (INSULATION PER NEC)	NEUTRAL WIRE SIZE	GROUND WIRE SIZE
200 Amp	2 "	4/0	2/0	same as phase	#6 Cu
320 Amp	2.5" or 3"	500 kcm	350 kcm	same as phase	#6 Cu

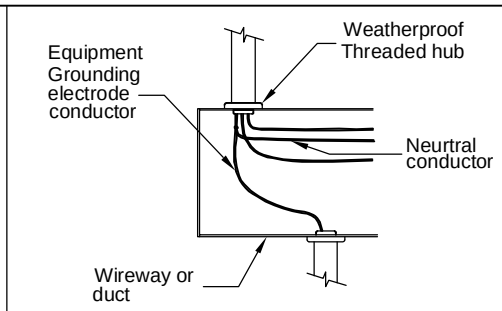
NEC = National Electric Code
Current Code Requirement

CRAIGHEAD ELECTRIC COOPERATIVE

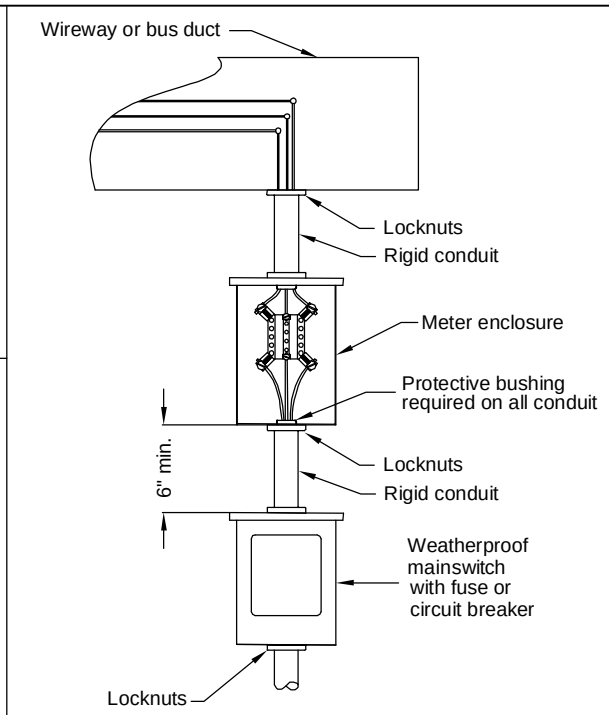
TYPICAL PERMANENT OVERHEAD RESIDENTIAL SERVICE #2

APPROVED BY: KB	DATE: 6-16-06
CHECKED BY: WG	SCALE: none
DRAWN BY: mbarnes	
	DWG NO.: 1104

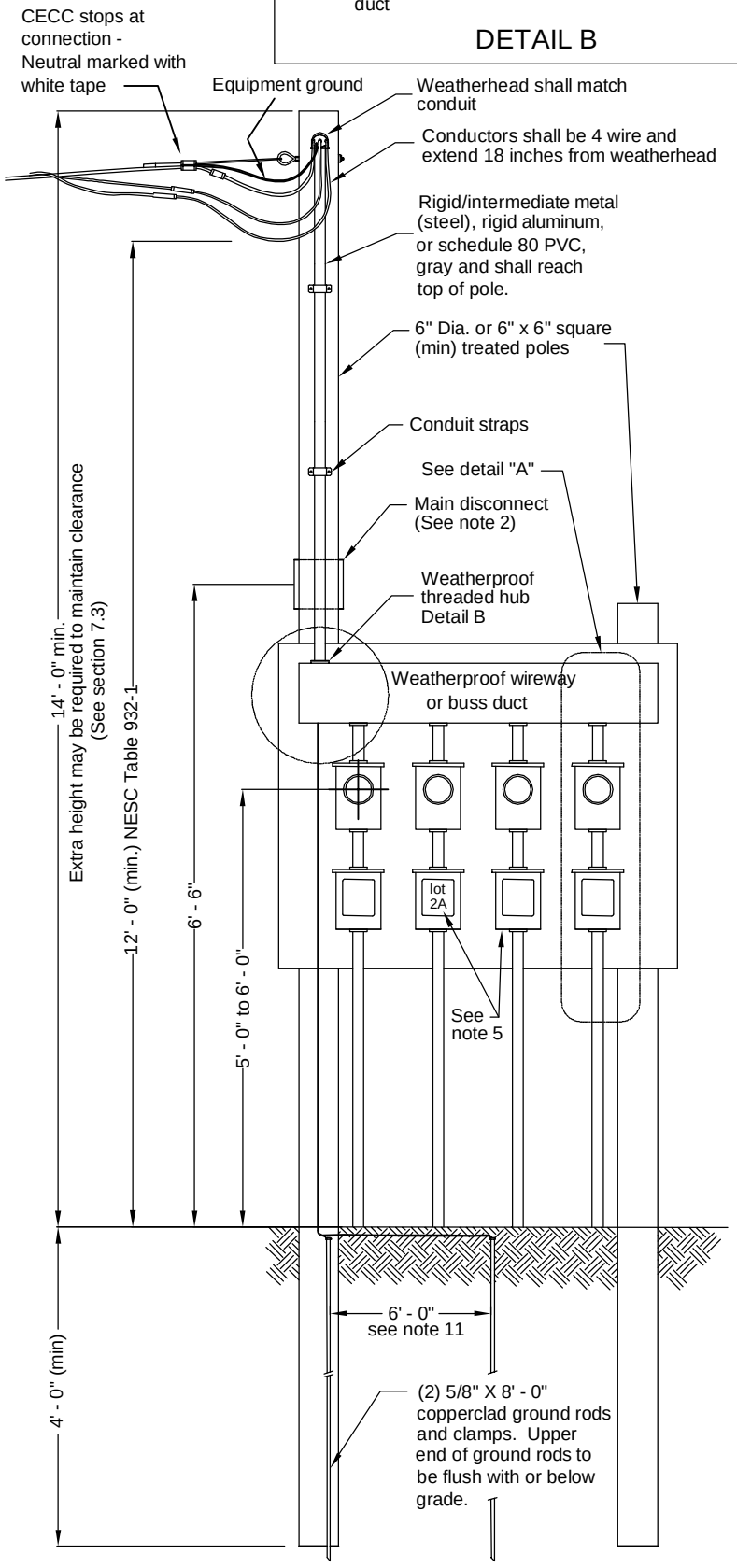
ELECTRICIANS !! :
Always contact Engineering, Dispatch or the District Manager before installing your service entrance. They will tell you specifications for length of conduit. Also leave 18 inches of wire hanging out of the Weatherhead.



DETAIL B



DETAIL A



NEC = National Electric Code
Current Code Requirement

NOTES:

1. Customer facilities shall comply with the National Electrical Code and authorities having jurisdiction.
2. A main disconnect is required for seven or more disconnects (National Electrical Code article 230.71(a)). A main disconnect is recommended in all cases for isolation of this disconnect/meter group from any other groups served by the same company transformer.
3. This installation applies to two (2) or more meters at one location.
4. CECC installs, owns, and maintains service and service connectors. Neutral shall be marked with white tape on both ends.
5. Each meter and disconnect shall be permanently and plainly marked to designate unit served.
6. Protective bushings required on conduits.
7. CECC shall make connection at top of weatherhead only.
8. Customer Installed minimum 1/2" galvanized eye bolt with 2" x 2" square washer recommended.
9. All material shall be suitable for outdoor use.
10. Equipment to be installed at location designated by CECC.
11. #6 Cu Wire for Ground Rods. Other acceptable materials see NEC Code 250.56 A, B and C.

Call Before You Dig
1-800-482-8998

In locations with underground facilities, the Customer shall notify 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.

CRAIGHEAD ELECTRIC COOPERATIVE

CUSTOMER OWNED MULTIPLE METER OVERHEAD SERVICE

APPROVED BY: KB	DATE: 6-16-06
CHECKED BY: WG	SCALE: none
DRAWN BY: mbarnes	
	DWG NO.: 1105

ELECTRICIANS !! :
Always contact Engineering, Dispatch or the District Manager before building your service entrance. They will tell you specifications for length of your conduit. Also, leave 36 inches of wire hanging out of the weatherhead.

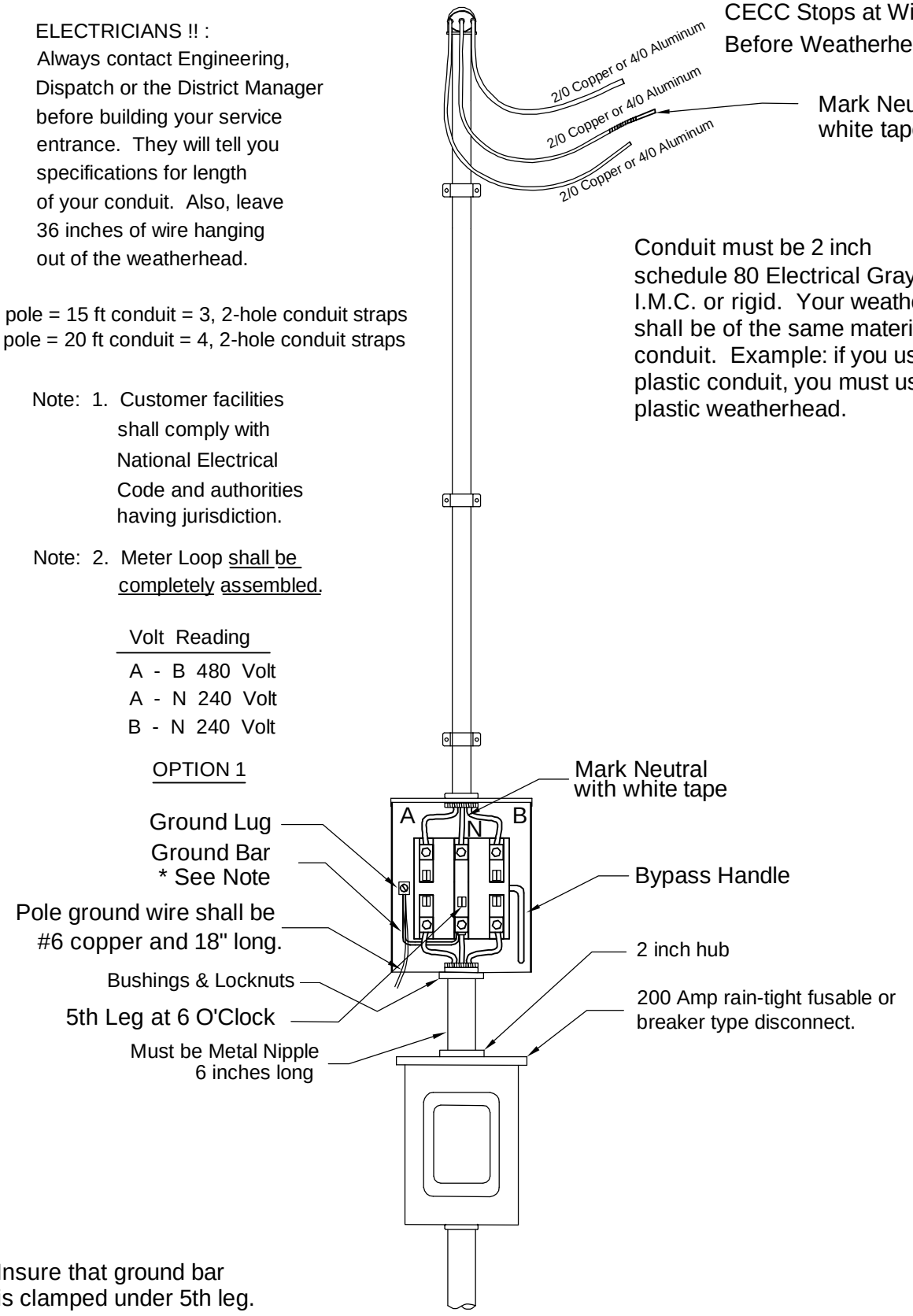
30 ft pole = 15 ft conduit = 3, 2-hole conduit straps
35 ft pole = 20 ft conduit = 4, 2-hole conduit straps

Note: 1. Customer facilities shall comply with National Electrical Code and authorities having jurisdiction.

Note: 2. Meter Loop shall be completely assembled.

Volt Reading
A - B 480 Volt
A - N 240 Volt
B - N 240 Volt

OPTION 1



* Insure that ground bar is clamped under 5th leg.

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

NEC = National Electric Code
Current Code Requirement

CRAIGHEAD ELECTRIC COOPERATIVE

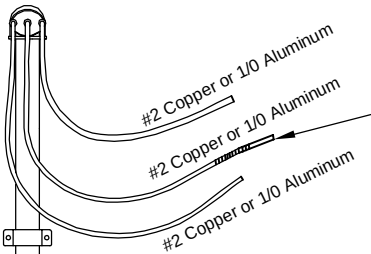
5 TERMINAL 240/480 V SINGLE PHASE METER LOOP

APPROVED BY: KB	DATE: 3-24-11
CHECKED BY: CH	SCALE: none
DRAWN BY: mbarnes	
	DWG NO.: 1106

CECC Stops at Wire Connections Before Weatherhead

ELECTRICIANS ! ! :

Always contact Engineering, Dispatch or the District Manager before building your service entrance. They will tell you specifications for length of your conduit. Also, leave 36 inches of wire hanging out of the weatherhead.



Mark Neutral with white tape.

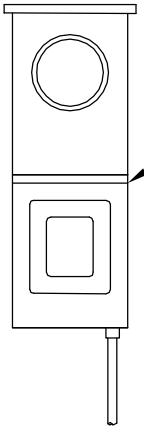
30 ft pole = 15 ft conduit = 3, 2-hole conduit straps
35 ft pole = 20 ft conduit = 4, 2-hole conduit straps

Conduit must be 2 inch schedule 80 Electrical Gray PVC, I.M.C. or rigid. Your weatherhead shall be of the same material as conduit. Example: if you use plastic conduit, you must use plastic weatherhead.

Note: 1. Meter Loop shall comply with National Electrical Code and Authorities having jurisdiction.

2. Meter Loop shall be completely assembled.

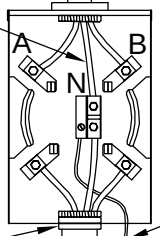
OPTION 2



Meter socket combo
Rain-tight disconnect

Mark Neutral with white tape.

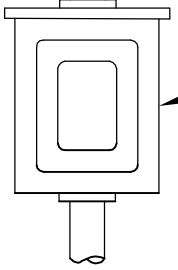
OPTION 1



Bushings & Locknuts

Pole ground wire shall be #6 copper & 18 inches long.

must be metal nipple 6 inches long



Rain-tight fusable or breaker type disconnect.

Volt Reading:
A-B 240 VOLT
B-N 120 VOLT
A-N 120 VOLT

CUSTOMER INSTALLATION MINIMUM WIRING SIZE

EXPECTED LOAD	CONDUIT SIZE	ALUMINUM (INSULATION PER NEC)	COPPER (INSULATION PER NEC)	NEUTRAL WIRE SIZE	GROUND WIRE SIZE
100 Amp	2 inches	1/0	#2	same as phase	#6 Cu

NEC = National Electric Code
Current Code Requirement

CRAIGHEAD ELECTRIC COOPERATIVE

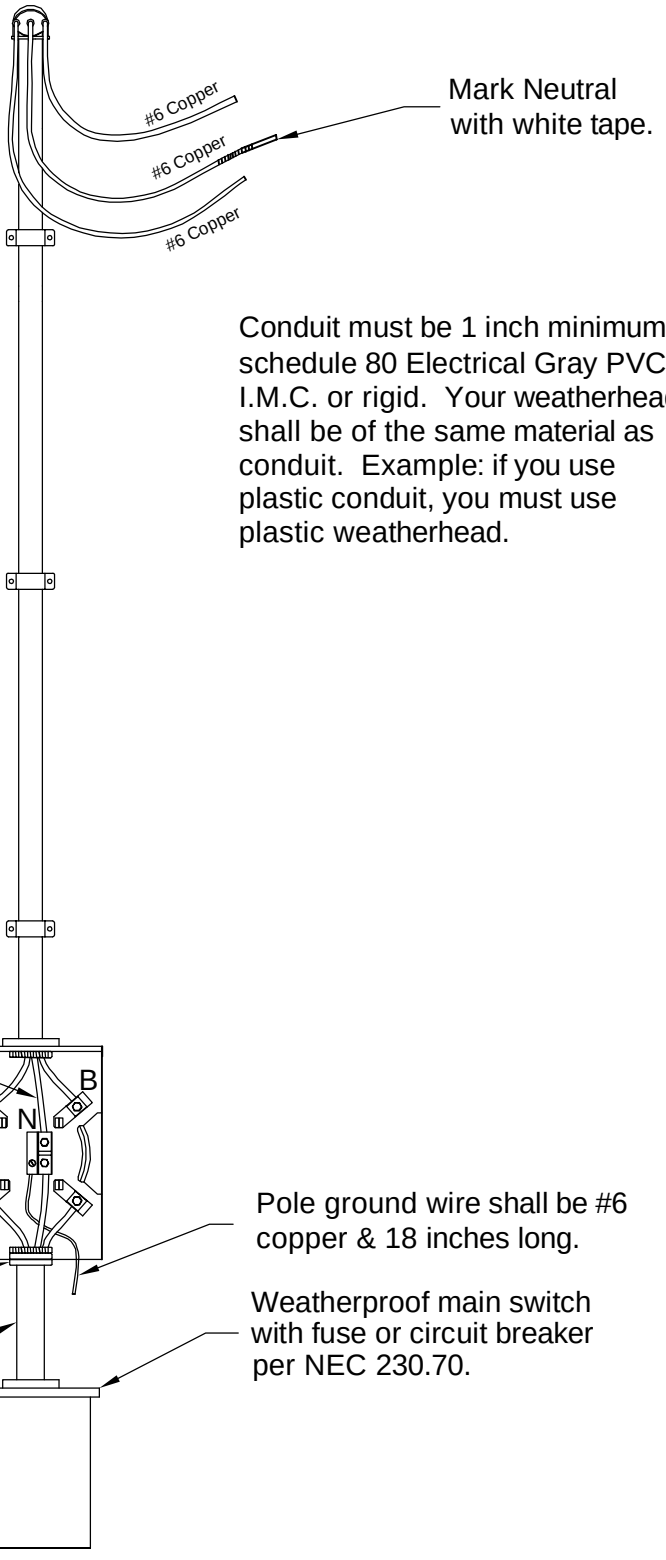
120/240 V SINGLE PHASE
100 AMP METER LOOP

APPROVED BY: KB	DATE: 5-24-11
CHECKED BY: KB	SCALE: none
DRAWN BY: mbarnes	
	DWG NO.: 1107

CECC Stops at Wire Connections Before Weatherhead

ELECTRICIANS ! ! :

Always contact Engineering, Dispatch or the District Manager before building your service entrance. They will tell you specifications for length of your conduit. Also, leave 36 inches of wire hanging out of the weatherhead.



30 ft pole = 15 ft conduit = 3, 2-hole conduit straps
35 ft pole = 20 ft conduit = 4, 2-hole conduit straps

Conduit must be 1 inch minimum schedule 80 Electrical Gray PVC, I.M.C. or rigid. Your weatherhead shall be of the same material as conduit. Example: if you use plastic conduit, you must use plastic weatherhead.

Note: 1. Meter Loop shall comply with National Electrical Code and Authorities having jurisdiction.

2. Meter Loop shall be completely assembled.

OPTION 1

Volt Reading:
A-B 240 VOLT
B-N 120 VOLT
A-N 120 VOLT

CUSTOMER INSTALLATION MINIMUM WIRING SIZE

EXPECTED LOAD	CONDUIT SIZE	ALUMINUM (INSULATION PER NEC)	COPPER (INSULATION PER NEC)	NEUTRAL WIRE SIZE	GROUND WIRE SIZE
5-60 Amp	1 inch	N/A	#6	same as phase	#6 Cu

NEC = National Electric Code
Current Code Requirement

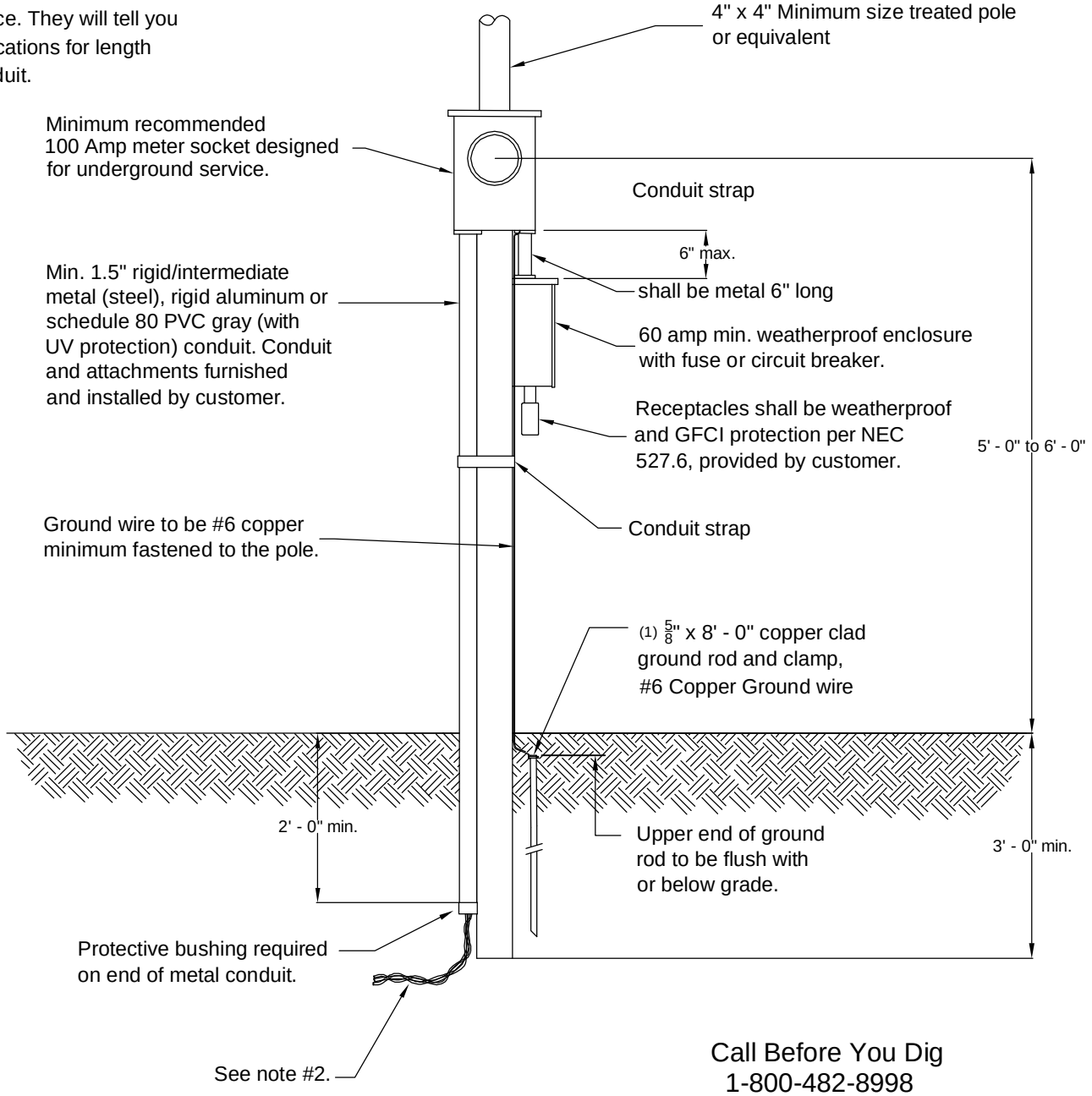
CRAIGHEAD ELECTRIC COOPERATIVE

120/240 V SINGLE PHASE
60 AMP METER LOOP

APPROVED BY: KB	DATE: 5-24-11
CHECKED BY: KB	SCALE: none
DRAWN BY: mbarnes	
	DWG NO.: 1108

ELECTRICIANS!!:
Always contact Engineering Dispatch, or District Manager before installing your service entrance. They will tell you specifications for length of conduit.

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



Call Before You Dig
1-800-482-8998

In location with underground facilities, 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.

NOTES:

1. Customer facilities shall comply with the National Electrical Code and authorities having jurisdiction.
2. Customer provides minimum wire size of #6 copper. Service wire suitable for direct burial to be furnished, installed and maintained by customer Customer to tail out enough service wire to reach inside of 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.

NEC = National Electric Code
Current Code Requirements.

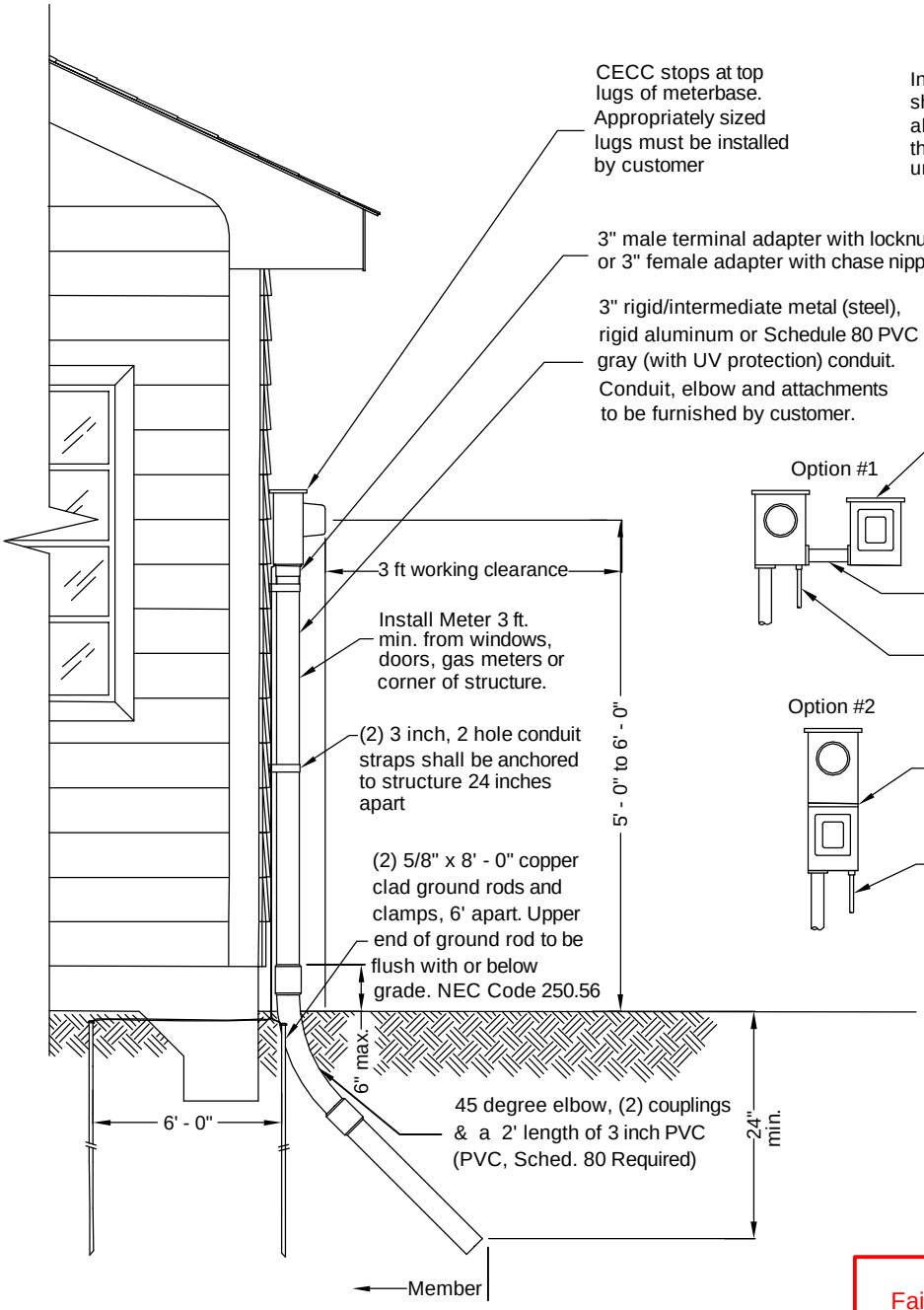
CRAIGHEAD ELECTRIC COOPERATIVE

TEMPORARY SERVICE FROM AN UNDERGROUND SOURCE

APPROVED BY: KB	DATE: 5-24-11
CHECKED BY: KB	SCALE: none
DRAWN BY: mbarnes	
	DWG NO.: 1201

Call Before You Dig
1-800-482-8998

In locations with underground facilities, the Customer shall notify 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 Engineering, Dispatch or District Manager before building your service entrance. They will tell you specifications for length of conduit.

NOTES:

1. Customer facilities shall comply with the National Electrical Code and authorities having jurisdiction.
2. Meter socket shall be installed and maintained by the customer.
3. Install vertical run of conduit from the meter to the top of the ground.
4. The vertical run of conduit should be straight for optimum installation of conductor. A meter base offset should be used to avoid ledges.
5. If bends are necessary, all PVC parts must be schedule 80.
6. Craighead Electric will perform any necessary excavation.
7. Leave 45 degree elbow, (2) couplings and 2 feet of 3 inch conduit near meter base for below ground installation by Craighead Electric (Do not assemble below ground pieces)

Failure to comply with all of the terms of this specification will result in Craighead Electric constructing any necessary modifications. Labor and material for these modifications will be billed to the Applicant. Craighead Electric will not be responsible for the appearance of the service after these modifications.

CUSTOMER INSTALLATION MINIMUM WIRING SIZE FOR SINGLE FAMILY DWELLING

EXPECTED LOAD	CONDUIT SIZE	ALUMINUM (INSULATION PER NEC)	COPPER (INSULATION PER NEC)	NEUTRAL WIRE SIZE	GROUND WIRE SIZE
200 Amp	3 "	4/0	2/0	same as phase	#6 Cu
320 Amp	3 "	500 kcm	350 kcm	same as phase	#6 Cu

NEC= National Electric Code current code requirement

CRAIGHEAD ELECTRIC COOPERATIVE

UNDERGROUND SECONDARY

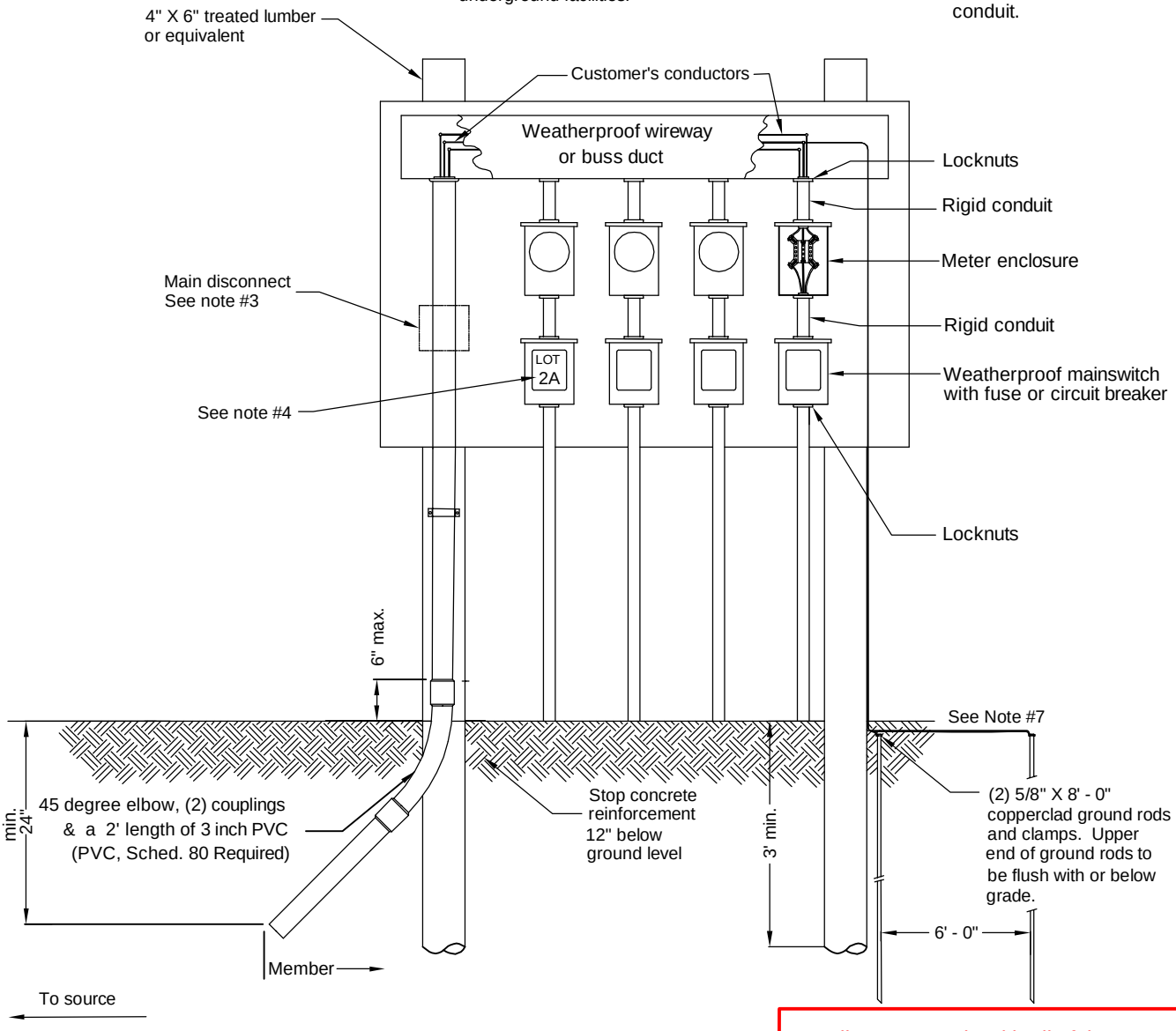
SERVING A RESIDENCE / MFG HOME

APPROVED BY: KB	DATE: 9-05-08
CHECKED BY: WG	SCALE: none
DRAWN BY: mbarnes	
	DWG NO.: 1202

Call Before You Dig
1-800-482-8998

In locations with underground facilities, the Customer shall notify 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 Engineering, Dispatch or District Manager before building your service entrance. They will tell you specifications for length of conduit.



Failure to comply with all of the terms of this specification will result in Craighead Electric constructing any necessary modifications. Labor and material for these modifications will be billed to the Applicant. Craighead Electric will not be responsible for the appearance of the service after these modifications.

NOTES:

1. Customer facilities shall comply with the National Electrical Code and authorities having jurisdiction.
2. This installation applies to two (2) or more meters at one location.
3. A main disconnect is required for seven or more disconnects (National Electrical Code article 230.71(a)). A main disconnect is recommended in all cases for isolation of this disconnect/meter group from any other groups served by the same company transformer. Utility connection shall be made on the line side of main disconnect or junction box.
4. Each meter and disconnect shall be plainly marked to designate unit served.
5. All material shall be suitable for outdoor use.
6. Equipment to be installed at a location designated by CECC.
7. #6 Cu for Ground Rods, for other acceptable grounds, see NEC Code 250.56 A, B and C.
8. Install vertical run of conduit from the meter to the top of the ground.
9. Craighead Electric will perform any necessary excavation.
10. Leave 45 degree elbow, (2) couplings and 2 feet of 3 inch conduit near meter base for below ground installation by Craighead Electric (Do not assemble below ground pieces)

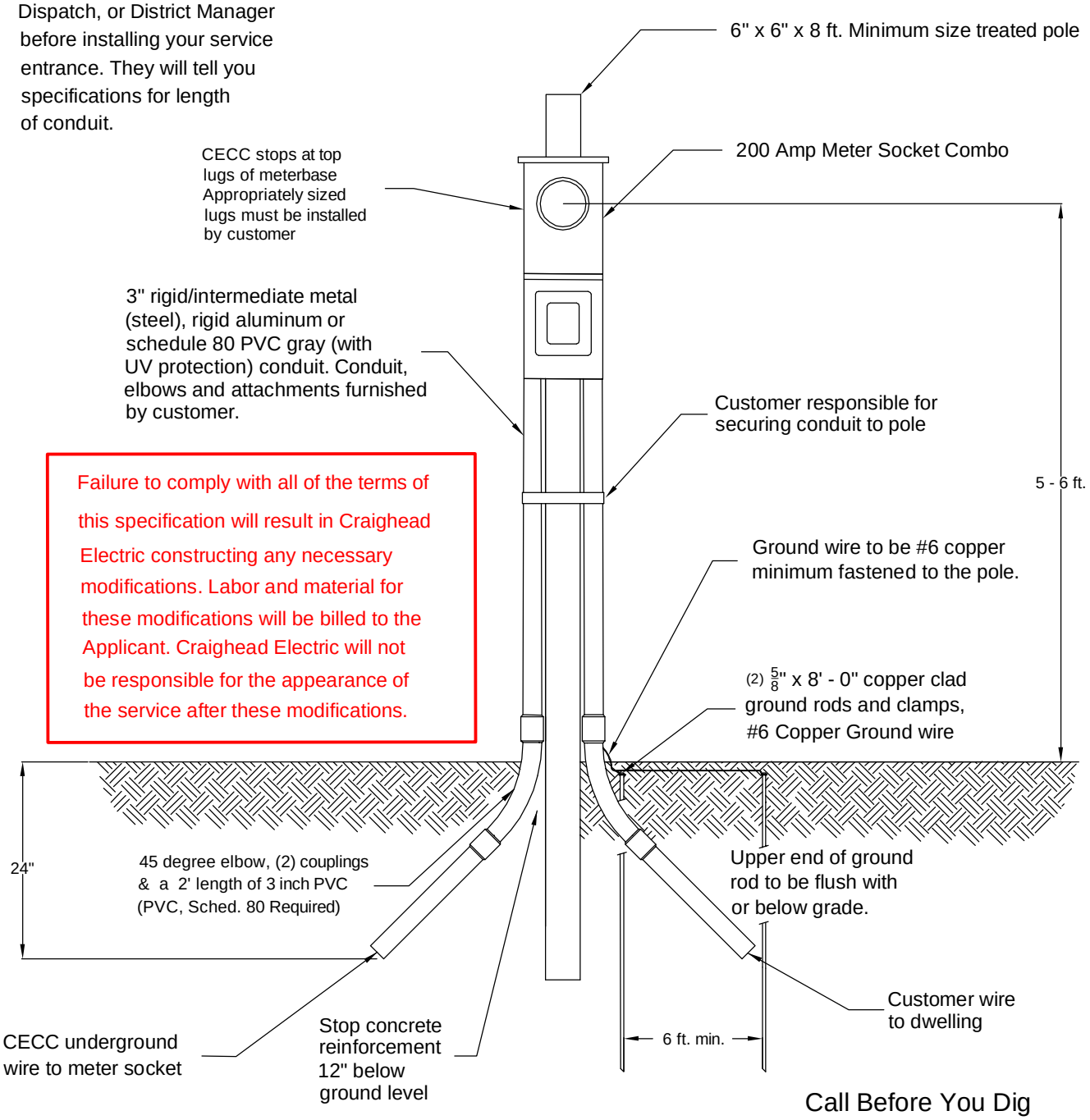
NEC = National Electric Code
Current Code Requirement

CRAIGHEAD ELECTRIC COOPERATIVE

CUSTOMER OWNED MULTIPLE METER
(FIELD ASSEMBLED)
UNDERGROUND SERVICE

APPROVED BY: KB	DATE: 9-05-08
CHECKED BY: WG	SCALE: none
DRAWN BY: mbarnes	
	DWG NO.: 1203

ELECTRICIANS!!:
Always contact Engineering Dispatch, or District Manager before installing your service entrance. They will tell you specifications for length of conduit.



Call Before You Dig
1-800-482-8998

In location with underground facilities, 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.

NOTES:

1. Customer facilities shall comply with the National Electrical Code and authorities having jurisdiction.
2. All conduit to be 3 inches in diameter.
3. All conduit connections to be raintight.
4. Location of underground cables shall be identified prior to digging.
5. Install vertical run of conduit from the meter to the top of the ground
6. Craighead Electric will perform any necessary excavation on CECC side of meter.
7. Leave 45 degree elbow, (2) couplings and 2 feet of 3 inch conduit near meter base for below ground installation by Craighead Electric (Do not assemble below ground pieces)

NEC = National Electric Code
Current Code Requirements.

CRAIGHEAD ELECTRIC COOPERATIVE

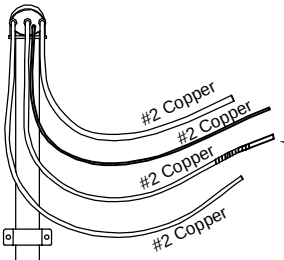
UNDERGROUND SECONDARY
SERVING A MOBILE HOME / MFG HOME

APPROVED BY: KB	DATE: 9-05-08
CHECKED BY: WG	SCALE: none
DRAWN BY: mbarnes	
	DWG NO.: 1204

CECC Stops at Wire Connections
Before Weatherhead

ELECTRICIANS ! ! :

Always contact Engineering, Dispatch or District Manager before building your service entrance. They will tell you specifications for length of conduit. Also leave 18 inches of wire hanging out of weatherhead. #2 copper or 1/0 Aluminum THWN or THW is minimum required.



Mark neutral with white tape on both ends

30 ft pole = 15 ft conduit = 3, 2-hole conduit straps
35 ft pole = 20 ft conduit = 4, 2-hole conduit straps

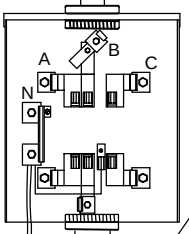
Conduit must be 2 inch schedule 80 Electrical Gray PVC, I.M.C. or rigid. Your weatherhead must be of the same material as conduit. Example: if you use plastic conduit, you must use plastic weatherhead.

Note : 1. Customer facilities shall comply with National Electrical safety code and authorities having jurisdiction.

2. Meter Loop shall be completely assembled

Volt Reading:

A-B	208 VOLT	A-N	120 VOLT
B-C	208 VOLT	B-N	120 VOLT
A-C	208 VOLT	C-N	120 VOLT



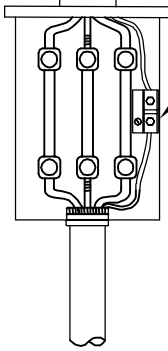
2 inch hub

Rain-tight fusable or breaker type disconnect.

Pole ground wire shall be #6 copper and 18" long.

must be metal nipple 6 inches long

Neutral Bar



CRAIGHEAD ELECTRIC COOPERATIVE	
7 TERMINAL 120 /208 VOLT 4 WIRE SECONDARY METER LOOP	
APPROVED BY: KB	DATE: 5-24-11
CHECKED BY: KB	SCALE: none
DRAWN BY: mbarnes	
	DWG NO.: 3101

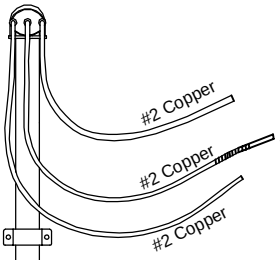
NEC = National Electric Code
Current Code Requirement

CECC Stops at Wire Connections
Before Weatherhead

ELECTRICIANS ! ! :

Always contact Engineering Dispatch or District Manager before building your service entrance. They will tell you specifications of your conduit. Also, leave 18 inches of wire hanging out of the weatherhead.

On 100 amp or less, #2 copper or 1/0 aluminum THWN or THW is minimum required.



Mark Grounded phase with white tape on both ends

Conduit must be 2 inch schedule 80 Electrical Gray PVC, I.M.C. or rigid. Your weatherhead must be of the same material as conduit. Example: if you use plastic conduit, you must use plastic weatherhead.

30 ft pole = 15 ft conduit = 3, 2-hole conduit straps
35 ft pole = 20 ft conduit = 4, 2-hole conduit straps

Note : 1. Customer facilities shall comply with National Electrical safety code and authorities having jurisdiction.

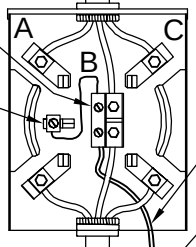
2. Meter Loop shall be completely assembled

Volt Reading:

A-B	240 VOLT	A-G	240	VOLT
B-C	240 VOLT	B-G	0	VOLT
A-C	240 VOLT	C-G	240	VOLT

Ground Bar

5th Leg



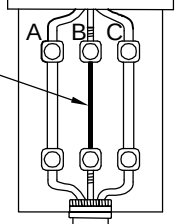
Pole ground wire shall be #6 copper and 18" long.

2 inch hub

must be metal nipple 6 inches long

Rain-tight fusable or breaker type disconnect. Center terminal will be grounded phase (slugged with no fuse) on grounded phase.

Mark Grounded phase with white tape



NEC = National Electric Code
Current Code Requirement

CRAIGHEAD ELECTRIC COOPERATIVE	
5 TERMINAL 240 V 3 PHASE METER LOOP	
APPROVED BY: KB	DATE: 5-24-11
CHECKED BY: KB	SCALE: none
DRAWN BY: mbarnes	
	DWG NO.: 3102

ELECTRICIANS ! ! :

Always contact Engineering, Dispatch or District Manager before building your service entrance. They will tell you specifications for length of conduit. Also leave 18 inches of wire hanging out of weatherhead. On 100 amp or less, #2 copper or 1/0 aluminum THWN or THW is minimum required.

30 ft pole = 15 ft conduit = 3, 2-hole conduit straps

35 ft pole = 20 ft conduit = 4, 2-hole conduit straps

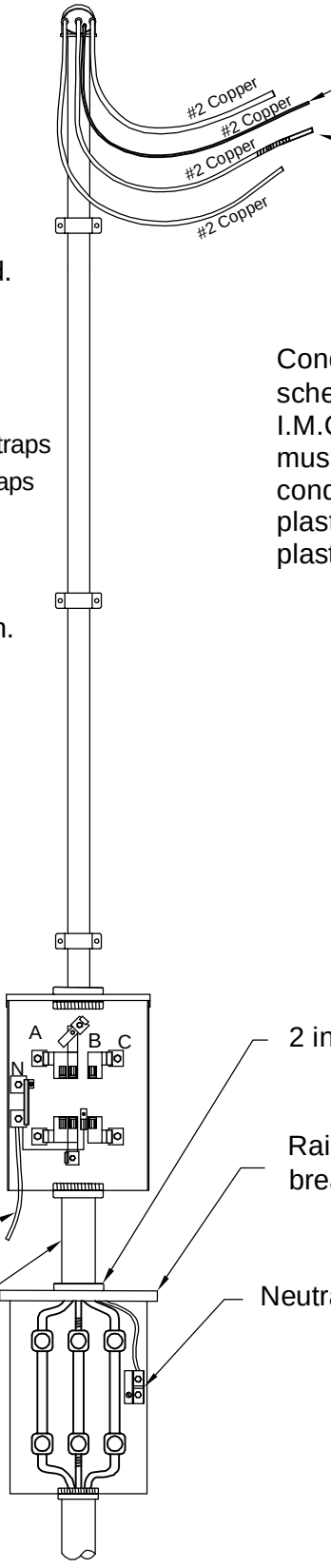
Note : 1. Customer facilities shall comply with National Electrical safety code and authorities having jurisdiction.

2. Meter Loop shall be completely assembled

CECC Stops at Wire Connections Before Weatherhead

Mark Neutral with white tape

Mark 208 V leg marked with red tape



Conduit must be 2 inch schedule 80 Electrical Gray PVC, I.M.C. or rigid. Your weatherhead must be of the same material as conduit. Example: if you use plastic conduit, you must use plastic weatherhead.

Volt Reading:

A-B 240 VOLT A-N 120

B-C 240 VOLT B-N 120

A-C 240 VOLT C-N 208

Note: 208 V leg must be marked with red tape on right side of meter base.

2 inch hub

Rain-tight fusable or breaker type disconnect.

Pole ground wire shall be #6 copper and 18" long.

must be metal nipple 6 inches long

Neutral Bar

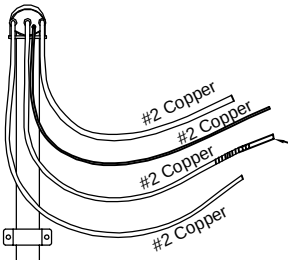
NEC = National Electric Code
Current Code Requirement

CRAIGHEAD ELECTRIC COOPERATIVE	
7 TERMINAL 120 / 240 4 WIRE DELTA SECONDARY METER LOOP	
APPROVED BY: KB	DATE: 5-24-11
CHECKED BY: KB	SCALE: none
DRAWN BY: mbarnes	
	DWG NO.: 3104

CECC Stops at Wire Connections
Before Weatherhead

ELECTRICIANS ! ! :

Always contact Engineering, Dispatch or District Manager before building your service entrance. They will tell you specifications for length of conduit. Also leave 18 inches of wire hanging out of weatherhead. #2 copper or 1/0 Aluminum THWN or THW is minimum required.



Mark neutral with white tape on both ends

30 ft pole = 15 ft conduit = 3, 2-hole conduit straps
35 ft pole = 20 ft conduit = 4, 2-hole conduit straps

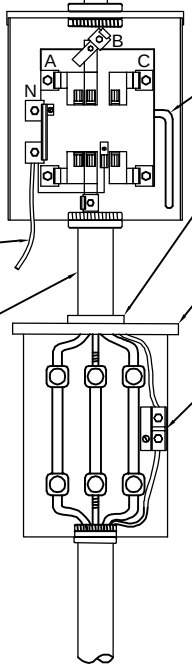
Conduit must be 2 inch schedule 80 Electrical Gray PVC, I.M.C. or rigid. Your weatherhead must be of the same material as conduit. Example: if you use plastic conduit, you must use plastic weatherhead.

Note : 1. Customer facilities shall comply with National Electrical safety code and authorities having jurisdiction.

2. Meter Loop shall be completely assembled

Volt Reading:

A-B	480 VOLT	A-N	277 VOLT
B-C	480 VOLT	B-N	277 VOLT
A-C	480 VOLT	C-N	277 VOLT



Bypass Handle

2 inch hub

Rain-tight fusable or breaker type disconnect.

Pole ground wire shall be #6 copper and 18" long.

must be metal nipple 6 inches long

Neutral Bar

NEC = National Electric Code
Current Code Requirement

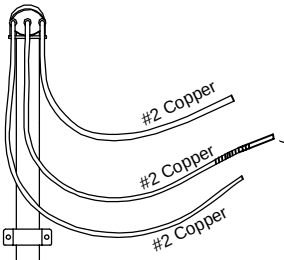
CRAIGHEAD ELECTRIC COOPERATIVE	
7 TERMINAL 277 /480 VOLT 4 WIRE SECONDARY METER LOOP	
APPROVED BY: KB	DATE: 5-24-11
CHECKED BY: KB	SCALE: none
DRAWN BY: mbarnes	
CE	DWG NO.: 3105

CECC Stops at Wire Connections
Before Weatherhead

ELECTRICIANS ! ! :

Always contact Engineering Dispatch or District Manager before building your service entrance. They will tell you specifications of your conduit. Also, leave 18 inches of wire hanging out of the weatherhead.

On 100 amp or less, #2 copper or 1/0 aluminum THWN or THW is minimum required.



Mark Grounded phase with white tape on both ends

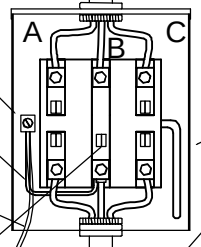
Conduit must be 2 inch schedule 80 Electrical Gray PVC, I.M.C. or rigid. Your weatherhead must be of the same material as conduit. Example: if you use plastic conduit, you must use plastic weatherhead.

30 ft pole = 15 ft conduit = 3, 2-hole conduit straps
35 ft pole = 20 ft conduit = 4, 2-hole conduit straps

Note :
1. Customer facilities shall comply with National Electrical Safety Code and authorities having jurisdiction.
2. Meter Loop shall be completely assembled

Volt Reading:

A-B	480 VOLT	A-G	480	VOLT
B-C	480 VOLT	B-G	0	VOLT
A-C	480 VOLT	C-G	480	VOLT



Ground Lug

Ground Bar
* See Note

Pole ground wire shall be #6 copper and 18" long.

5th Leg at 6 O'Clock

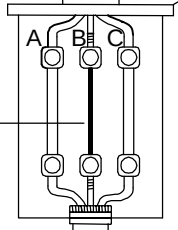
Must be metal nipple 6 inches long

Mark Grounded phase with white tape

Bypass Handle

2 inch hub

Rain-tight fusable or breaker type disconnect. Center terminal will be grounded phase (slugged with no fuse) on grounded phase.



* Insure that ground bar is clamped under 5th leg.

** Maximum service size 150KVA

NEC = National Electric Code Current Code Requirement

CRAIGHEAD ELECTRIC COOPERATIVE

5 TERMINAL 480 V
3 PHASE METER LOOP

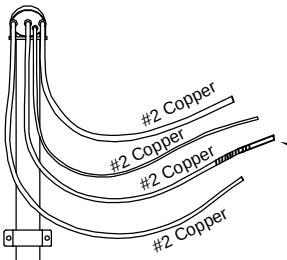
APPROVED BY: KB	DATE: 2/19/09
CHECKED BY: GS	SCALE: none
DRAWN BY: JCY	REVISED: 4/15/10
	DWG NO.: 3106

CECC Stops at Wire Connections
Before Weatherhead

ELECTRICIANS ! ! :

Always contact Engineering Dispatch or District Manager before building your service entrance. They will tell you specifications of your conduit. Also, leave 18 inches of wire hanging out of the weatherhead.

On 100 amp or less, #2 copper or 1/0 aluminum THWN or THW is minimum required.



Mark Neutral with white tape.

Conduit must be 2 inch schedule 80 Electrical Gray PVC, I.M.C. or rigid. Your weatherhead must be of the same material as conduit. Example: if you use plastic conduit, you must use plastic weatherhead.

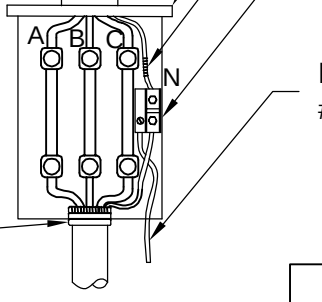
30 ft pole = 15 ft conduit = 3, 2-hole conduit straps
35 ft pole = 20 ft conduit = 4, 2-hole conduit straps

Note : 1. Customer facilities shall comply with National Electrical safety code and authorities having jurisdiction.

2. Service Loop shall be completely assembled

Volt Reading:

A-B	480 VOLT	A-N	277	VOLT
B-C	480 VOLT	B-N	277	VOLT
A-C	480 VOLT	C-N	277	VOLT



2 inch hub

Rain-tight fusable or breaker type disconnect.

Mark Neutral with white tape

Neutral Bar

Pole ground wire shall be #6 copper and 18" long.

Bushings & Locknuts

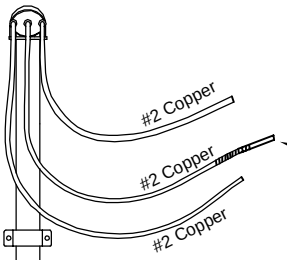
NEC = National Electric Code
Current Code Requirement

CRAIGHEAD ELECTRIC COOPERATIVE	
277/480 V 3 PHASE 4 WIRE SERVICE LOOP	
APPROVED BY: KB	DATE: 5-23-11
CHECKED BY: KB	SCALE: none
DRAWN BY: mbarnes	
	DWG NO.: 3115

CECC Stops at Wire Connections
Before Weatherhead

ELECTRICIANS ! ! :

Always contact Engineering Dispatch or District Manager before building your service entrance. They will tell you specifications of your conduit. Also, leave 18 inches of wire hanging out of the weatherhead. On 100 amp or less, #2 copper or 1/0 aluminum THWN or THW is minimum required.



Mark Grounded phase with white tape.

Conduit must be 2 inch schedule 80 Electrical Gray PVC, I.M.C. or rigid. Your weatherhead must be of the same material as conduit. Example: if you use plastic conduit, you must use plastic weatherhead.

30 ft pole = 15 ft conduit = 3, 2-hole conduit straps
35 ft pole = 20 ft conduit = 4, 2-hole conduit straps

Note : 1. Customer facilities shall comply with National Electrical safety code and authorities having jurisdiction.

2. Service Loop shall be completely assembled

Volt Reading:

A-B	480 VOLT	A-G	480	VOLT
B-C	480 VOLT	B-G	0	VOLT
A-C	480 VOLT	C-G	480	VOLT

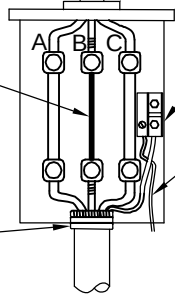
2 inch hub

Rain-tight fusable or breaker type disconnect. Center terminal will be grounded phase (slugged with no fuse) on grounded phase.

Ground Bar

Mark Grounded phase with white tape

Bushings & Locknuts



Pole ground wire shall be #6 copper and 18" long.

NEC = National Electric Code
Current Code Requirement

CRAIGHEAD ELECTRIC COOPERATIVE	
480 V TO GROUND 3 PHASE SERVICE LOOP	
APPROVED BY: KB	DATE: 5-24-11
CHECKED BY: KB	SCALE: none
DRAWN BY: mbarnes	
	DWG NO.: 3116