



Cherokee Electric Cooperative

P.O. DRAWER 0 • 1550 CLARENCE CHESTNUT BY-PASS • CENTRE, AL 35960
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CONSTRUCTION GUIDELINES

Contains drawings and national electric code requirements, in addition to Cherokee Electric Cooperative construction guidelines.

General Requirements

Answer

- Did I wire on my own pole, not a CEC pole? Yes
- Is the ground wire running from the meter base fastened to the structure? Yes
- Are all the wires continuous, with no splices? Yes
- If I used PVC conduit, is it gray electrical grade schedule 40 PVC? Yes
- Is my ground rod eight feet long and galvanized or copper clad? Yes
- Is the clamp holding the ground wire to the ground rod one piece? Yes
- Is the ground wire at least #4 bare copper, and run to the lug in the meter base? Yes
- Is the center of the meter base between five and six feet from the ground? Yes
- Are the meter base and disconnect connected with conduit and weather tight connectors? Yes
- Does the wiring for the main breaker meet the guidelines from the chart at the bottom of the page? Yes
- Is the main breaker large enough to handle the load on the structure? Yes
- Are the hot wires running from the meter connected to one breaker in the disconnect, and is this breaker capable of cutting all power to the structure? Yes
- Is the weather head the correct type for service entrance cable or conduit? Yes
- Is the weather head a minimum of twelve feet from the ground? Yes
- Are there at least three straps holding the entrance cable or conduit riser onto the structure? Yes

Disconnect	Copper Wire	Aluminum Wire	Conduit Size
60 AMP	#6	#4	2"
100 AMP	#2	#2	2"
200 AMP	3/0	4/0	2"
400 AMP	#500 MCM	#500 MCM	*
600 AMP	#750 MCM	#750 MCM	*

*Either 3", 3 1/2", or 4" conduit may be used

House Requirements

Answer

If the service is going to be underground:

Is the meter base from CEC?

Yes

Have portions of my foundation extending beyond the exterior wall been removed?

Yes

If the conduit for the service cable extends above the roof is it galvanized conduit?

Yes

If the conduit does not extend above the roof, has the CEC furnished eyebolt been installed through a framing member?

Yes

If the conduit riser has a splice, does the splice occur within four feet of the meter base?

Yes

Is the switch box mounted directly behind the meter base?

Yes

If the switch box is not behind the meter base, is there a disconnect mounted adjacent to the meter base?

Yes

Mobile Home Requirements

Is the pole eighteen feet tall and at least five inches in diameter?

Yes

OR

Is the pole eighteen feet and at least a pressure treated six by six?

Yes

Is the pole set at least four feet into the ground?

Yes

Is the pole set so that the wires to the weather head do not cross the roof of the mobile home? (Questions should be directed to CEC Engineering.)

Yes

Are the meter base and disconnect mounted on pressure treated material?

Yes

Are the meter and disconnect mounted with two-inch lag bolts?

Yes

Is there a four wire service from the disconnect to the trailer? (four wire ground)

Yes

Are the wires in conduit at all points that they are above the ground?

Yes

Is the wire approved for underground service? (do not use service entrance cable)

Yes

Camper/Temporary Pole Requirements

Answer

Is the pole eighteen feet tall and at least five inches in diameter?

Yes

OR

Is the pole eighteen feet and at least a pressure treated six by six?

Yes

Is the pole set at least four feet into the ground?

Yes

Is the pole set so that the wires to the weather head do not cross the roof of the camper? (Questions should be directed to CEC Engineering.)

Yes

Is the receptacle a Ground Fault Interrupt type, or is it fed by a Ground Fault Interrupt breaker?

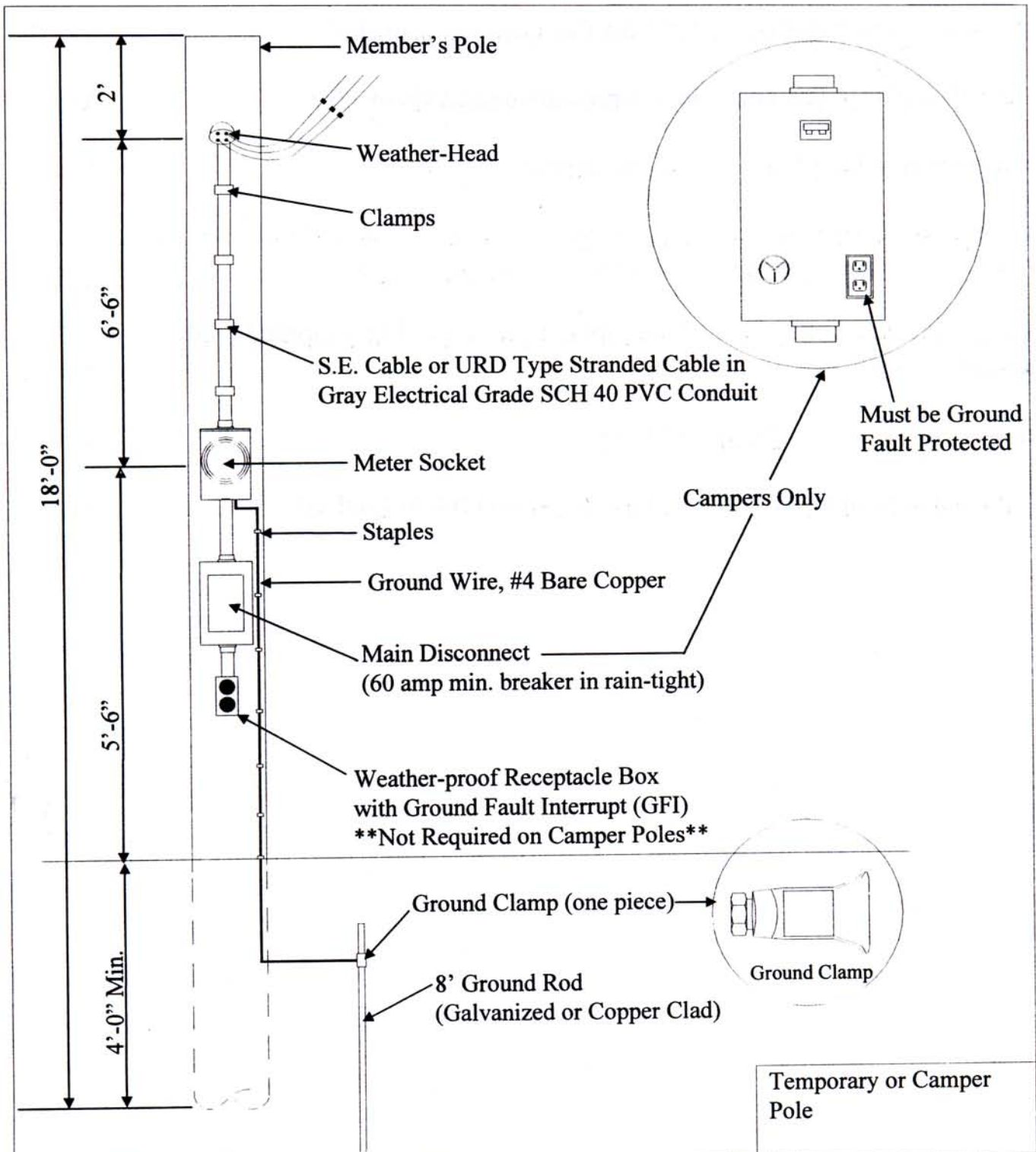
Yes

Is the receptacle in a weatherproof box?

Yes

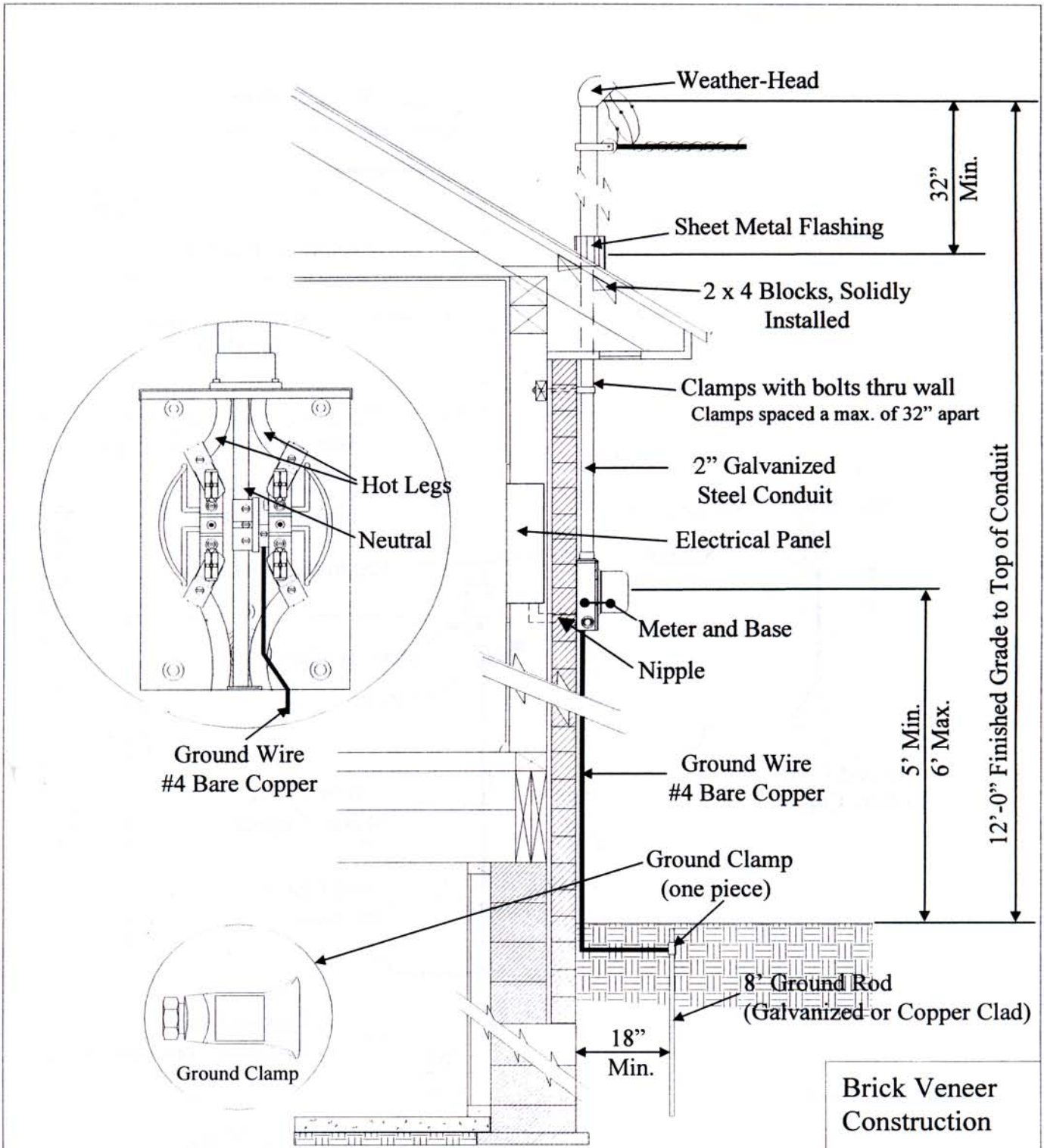
Are the wires from the receptacle to the disconnect run in conduit?

Yes



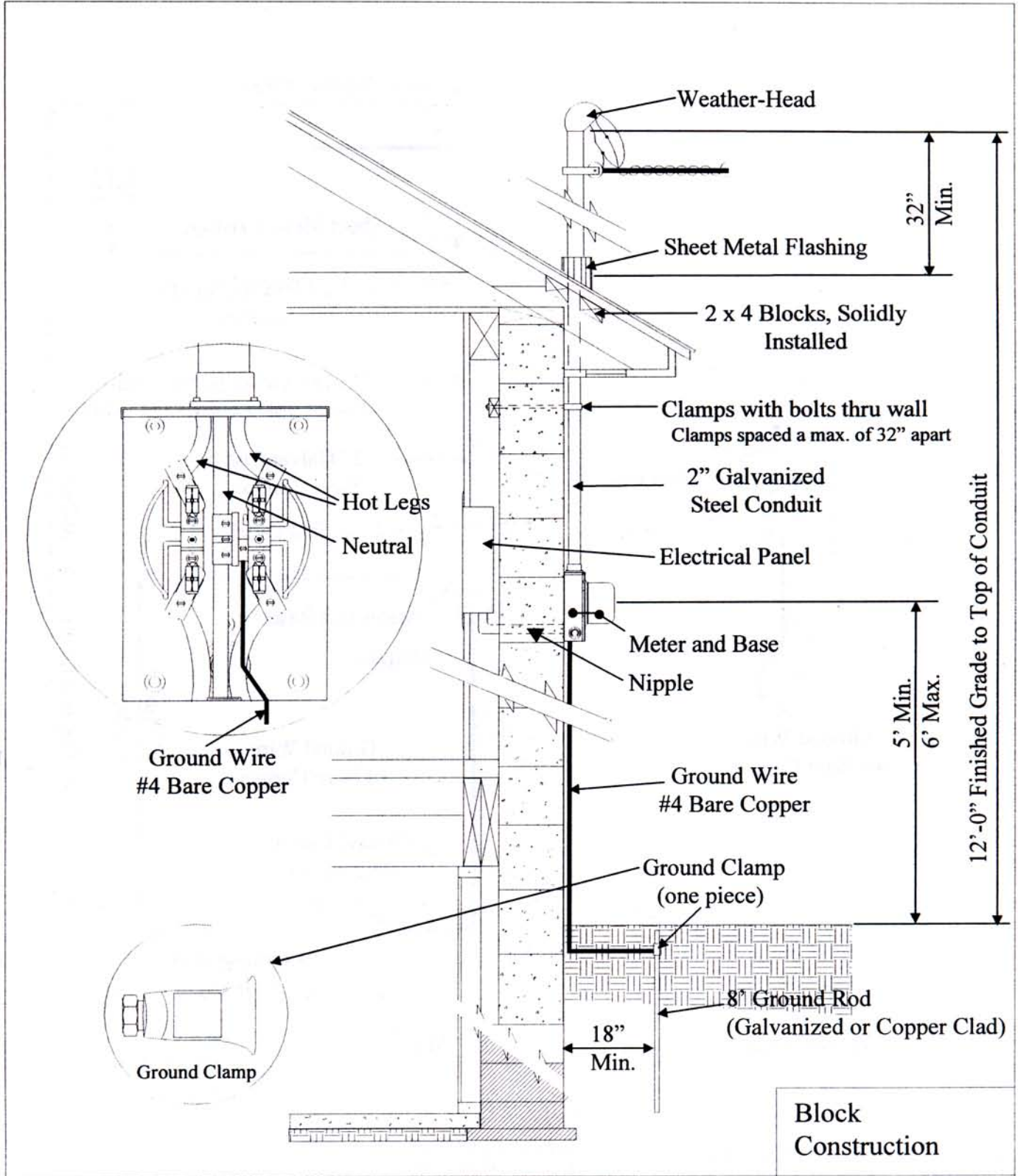
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Drawn 01/09/1998
 Revised 03/02/1998



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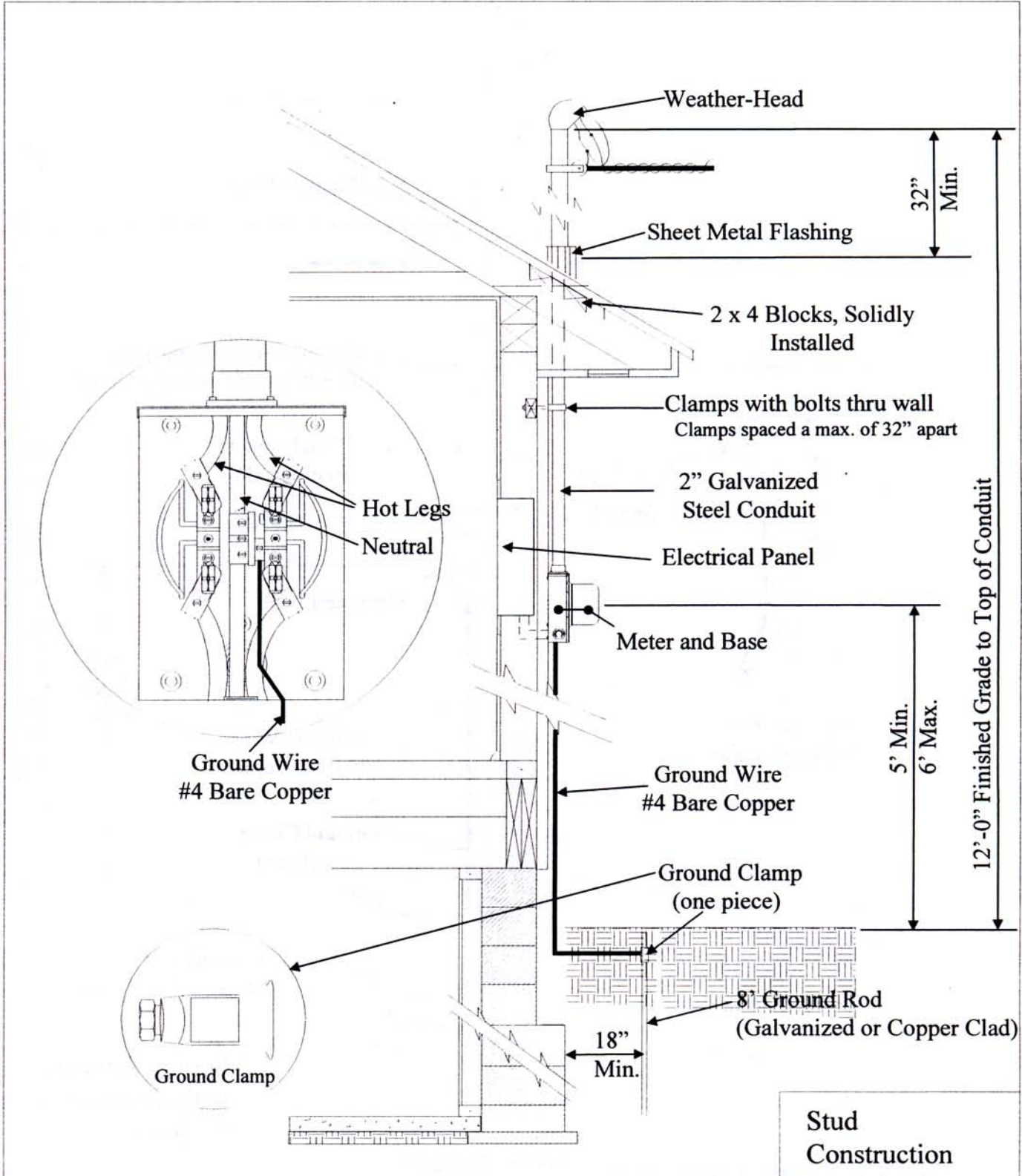
Drawn 01/09/1998
Revised 02/24/1998



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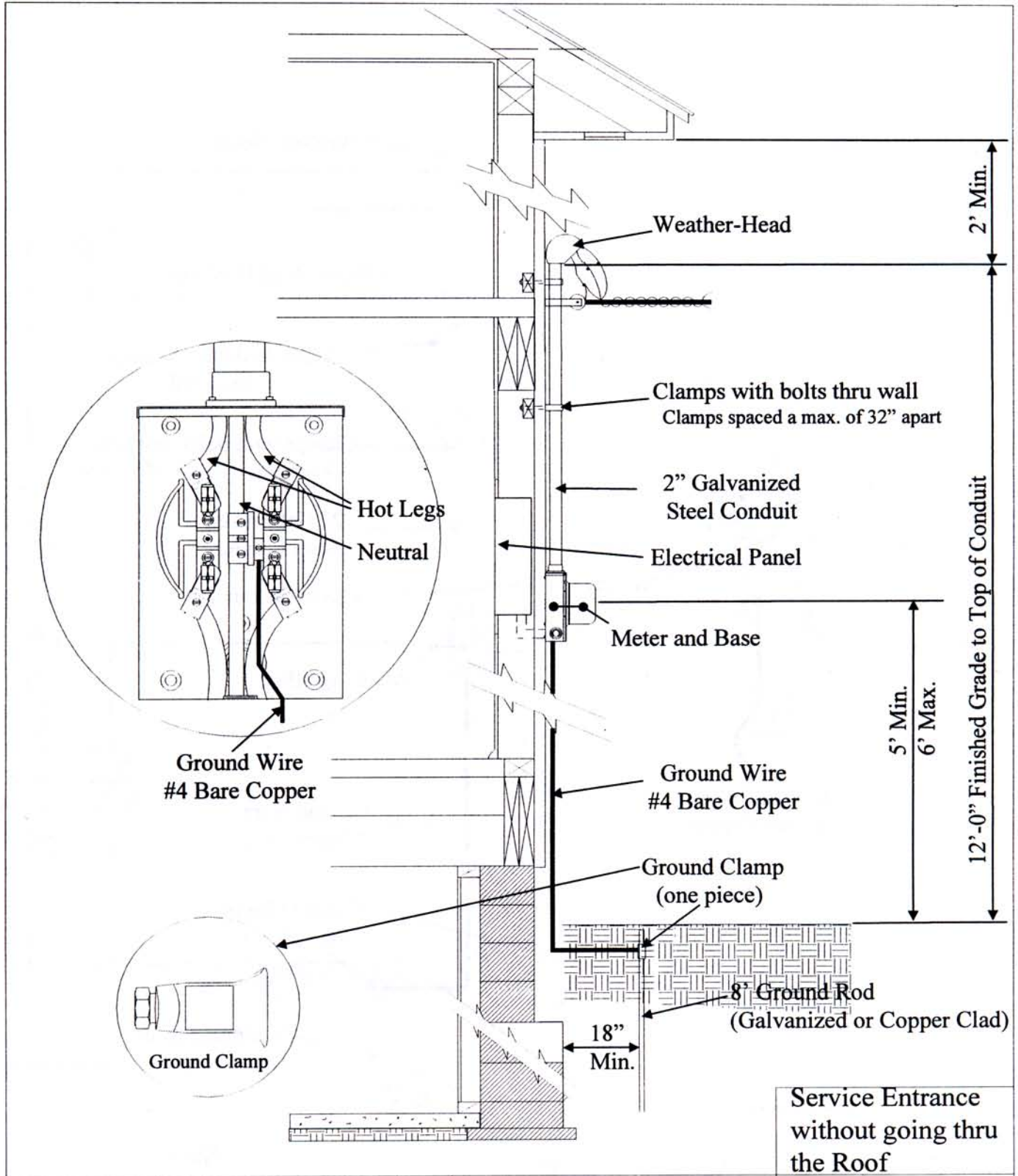
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Block Construction



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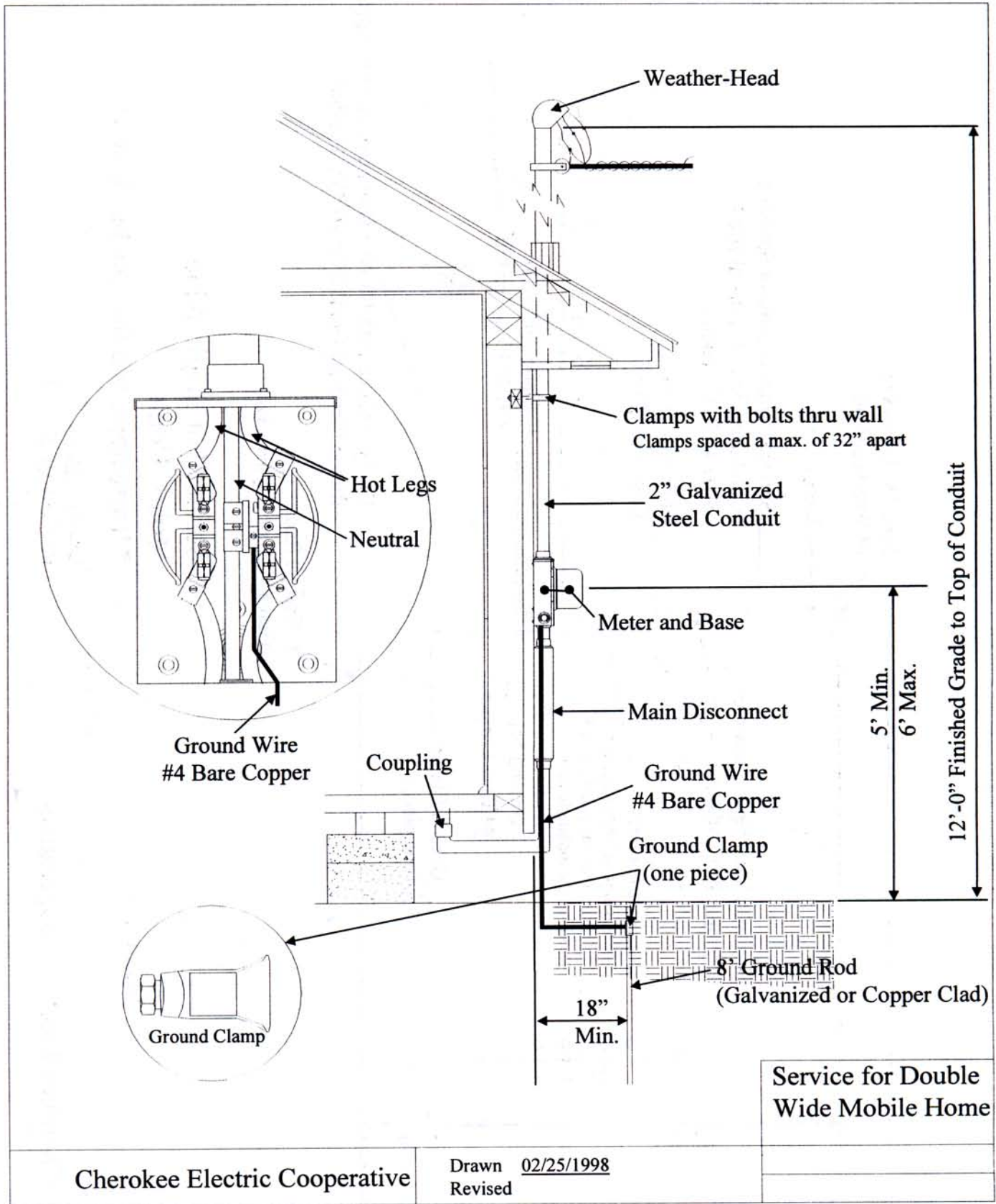
Drawn 01/09/1998
Revised 02/24/1998



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 Revised 02/24/1998

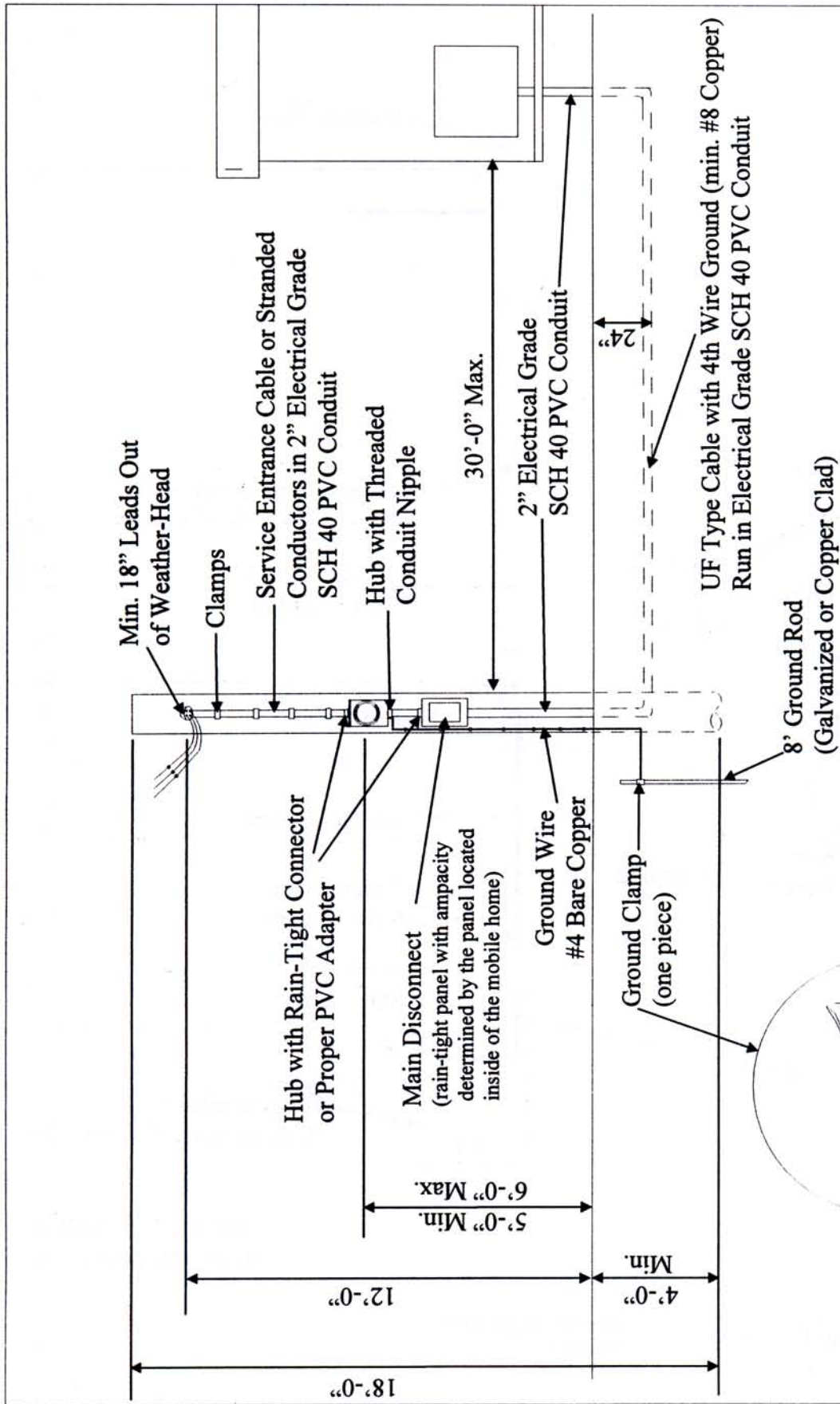
Service Entrance
 without going thru
 the Roof



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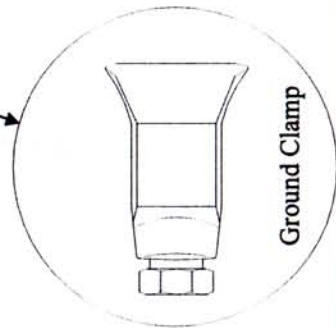
Drawn 02/25/1998
 Revised

Service for Double
 Wide Mobile Home

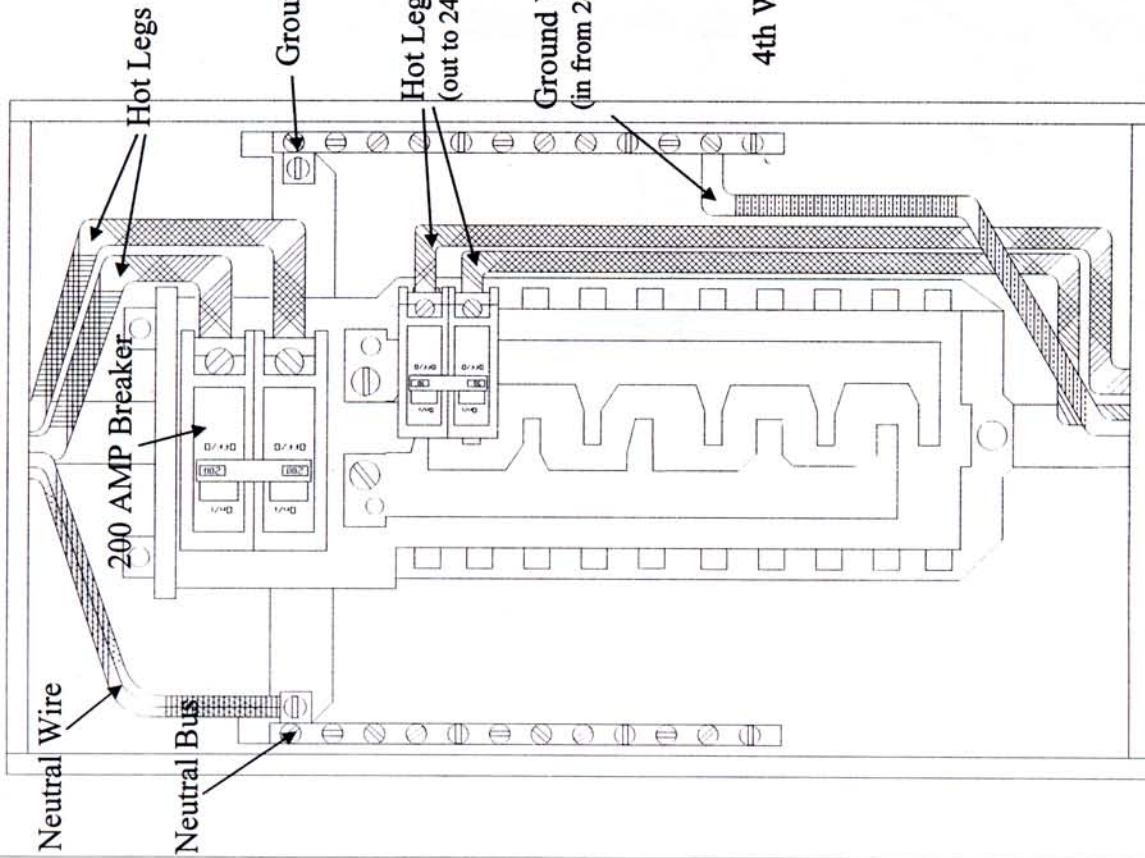


Service For Single Wide
 Mobile Home
 (also approved for Double Wide)

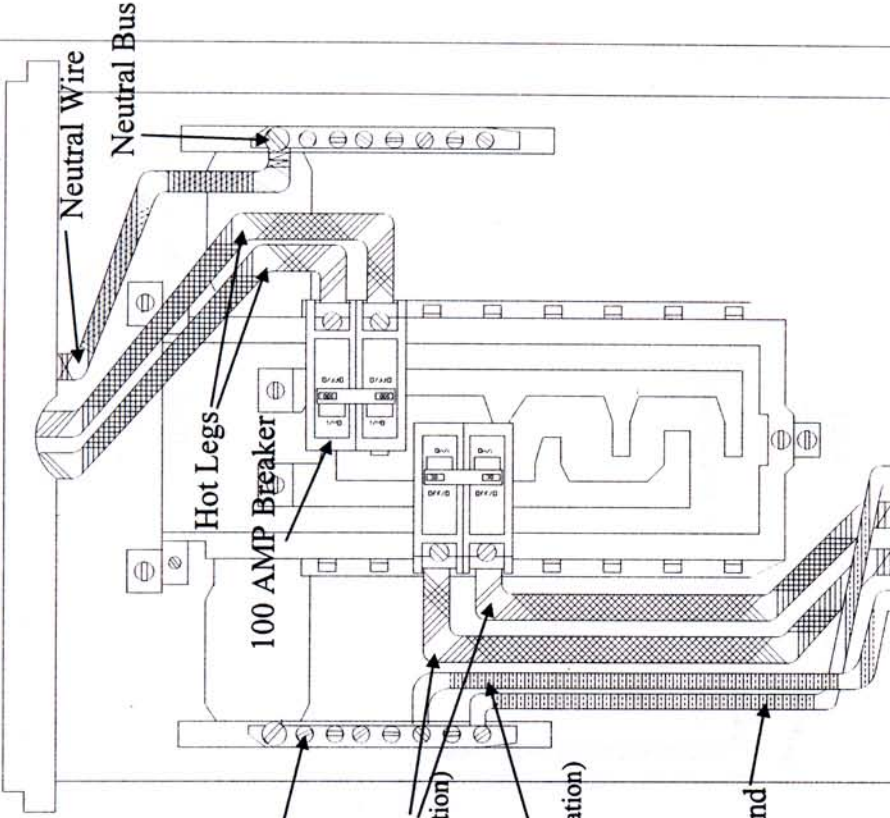
Drawn 01/11/1998
 Revised 01/22/1998



200 AMP Main Disconnect



100 AMP Disconnect (with 100 AMP Breaker Acting as Main)

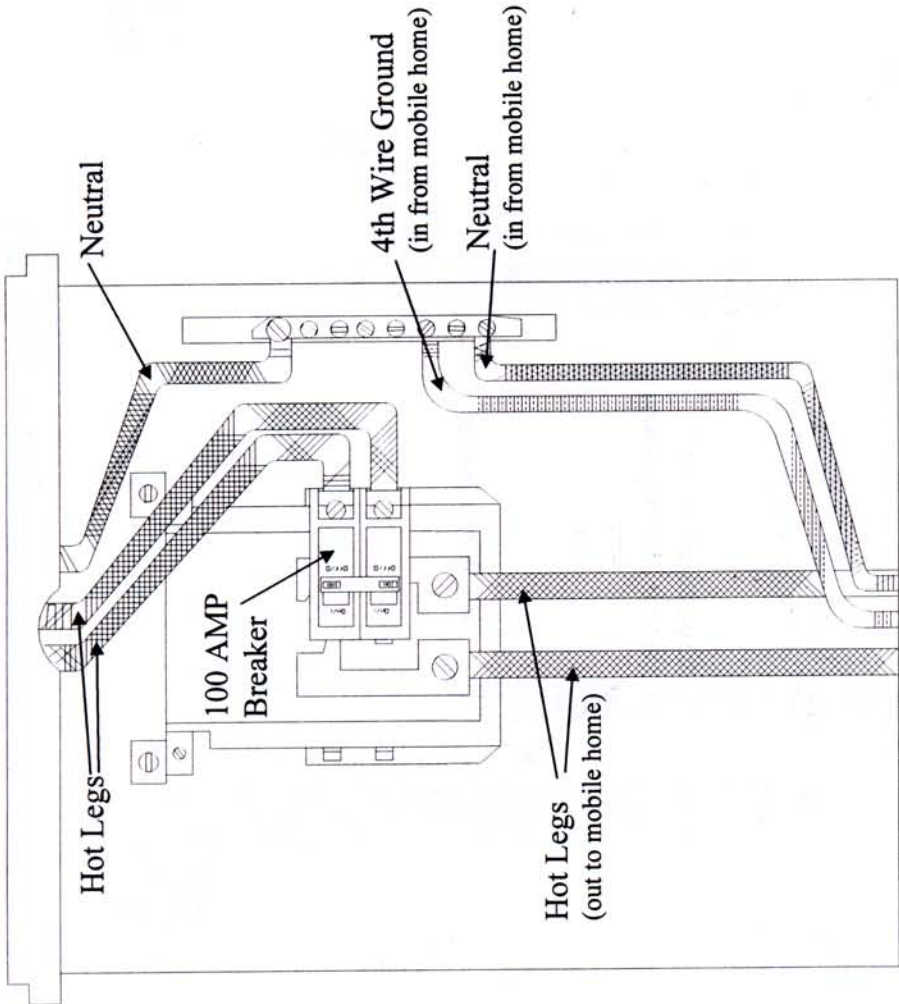


200 AMP and 100 AMP
Main Panels

Drawn 01/20/1998

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100 AMP Breaker Acting
as Main Disconnect
Alternate Method

Drawn 01/29/1998
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