

HARRISON RURAL ELECTRIFICATION ASSOCIATION, INC.

MINIMUM REQUIREMENTS: METER POLE INSTALLATION

Single-phase, 120/240 volts, 3 wire service, 100 amp minimum.

GENERAL

In all cases, the Company will supply, install and own the service drop to the pole and the service wire attachments on the pole. All service entrance equipment shall be supplied and installed on the pole by the Consumer.

A weatherhead shall be used of proper type for number and size of wires used. All installations for an overhead or an underground service shall be protected with a properly sized weatherproof disconnect switch, fused or breaker-type, located adjacent to the meter base.

POLE SET BY CONSUMER

When the meter pole is set by the Consumer, service entrance cable may be used in place of wire and conduit. When service entrance cable is used, a water-tight connector must be used at the top of the meter base and disconnect switch, and a non-water-tight connector may be used at the bottom of both. The pole set by the Consumer shall be fully treated and the pole backfill must be thoroughly tamped the full depth. (See table below)

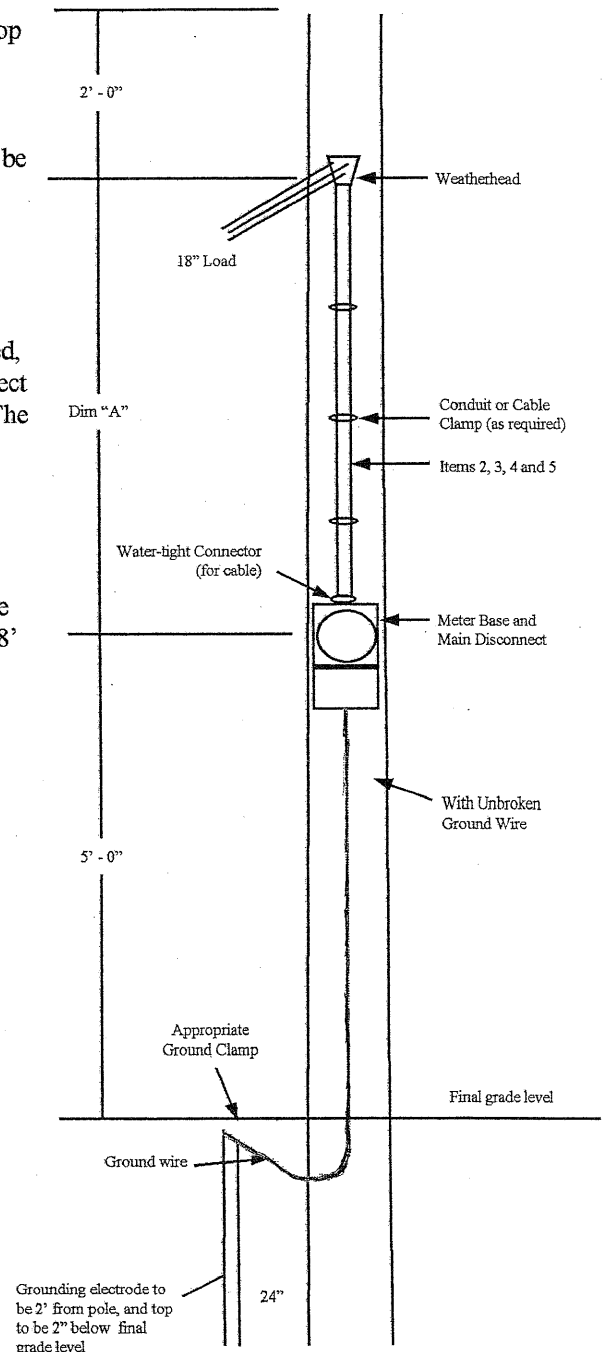
GROUNDING

Ground wire shall be one continuous length, without splice or joint, from main switch to grounding electrode. Driven grounding electrode may be rod or pipe: 5/8" X 8' copperclad rod, 5/8" X 8' solid rod, galvanized, 1" X 8' galvanized (new) pipe.

NOTES

1. All installations to be made according to this sketch.
2. All materials to be approved by the Underwriters Laboratories.
3. All wiring to be in accordance with the National Electric Code.
4. Always have a qualified electrician take care of your wiring needs.
5. Consumers not following these minimum specifications may be refused service connection.
6. Service connections and/or meter removal shall be done only by authorized company personnel.
7. Reduced neutral may be allowed.

ITEM	MATERIAL	100 AMP SERVICE	200 AMP SERVICE
1	Weatherproof disconnect switch (must have main fuse or breaker)	100	200
2	Service entrance cable, type SEU aluminum wire	#2	#4/0
3	Aluminum wire, type THW/THHN in conduit	#2	#4/0
4	Minimum conduit size	1 1/4"	2"
5	Copper ground wire to driven ground electrode	#6 Solid	#4 Solid

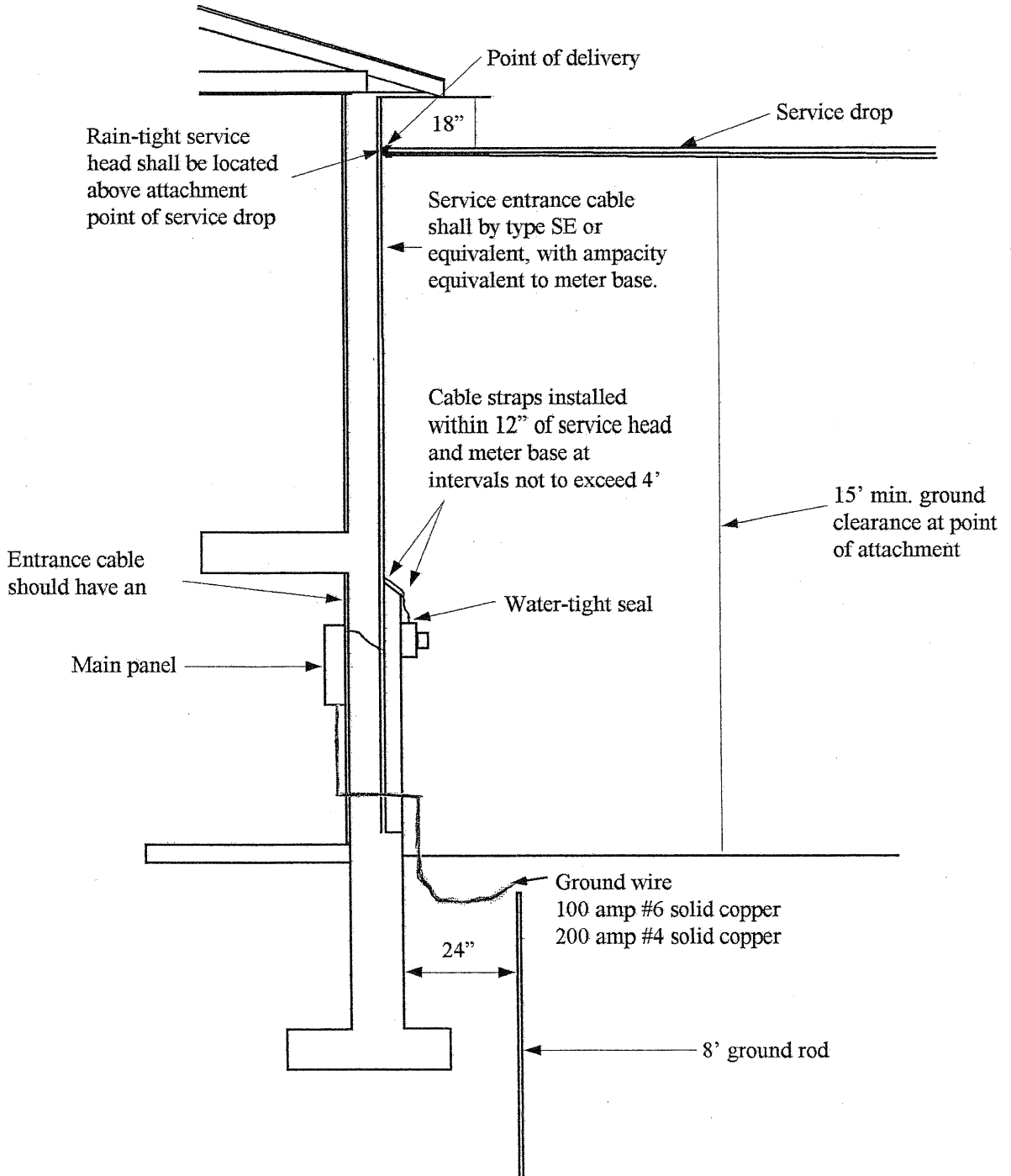


POLE HEIGHT	SETTING DEPTH	DIM "A"
20 FT.	4 FT.	9 FT.
25 FT.	5 FT.	13 FT.
30 FT.	5.5 FT.	17.5 FT.
35 FT.	6 FT.	22 FT.

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RESIDENTIAL SERVICE

100 AMP & 200 AMP OVERHEAD SERVICE

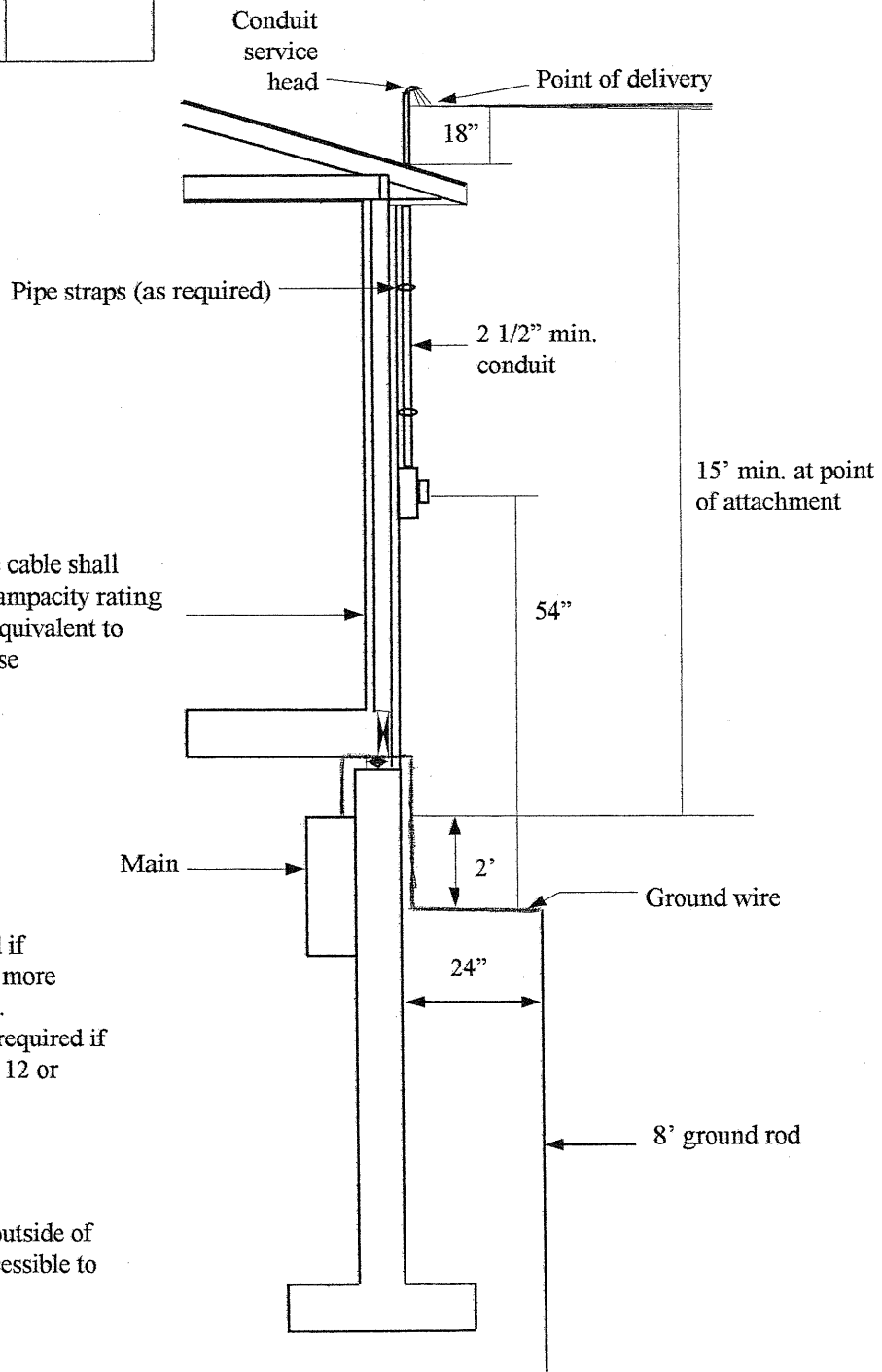


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RESIDENTIAL SERVICE

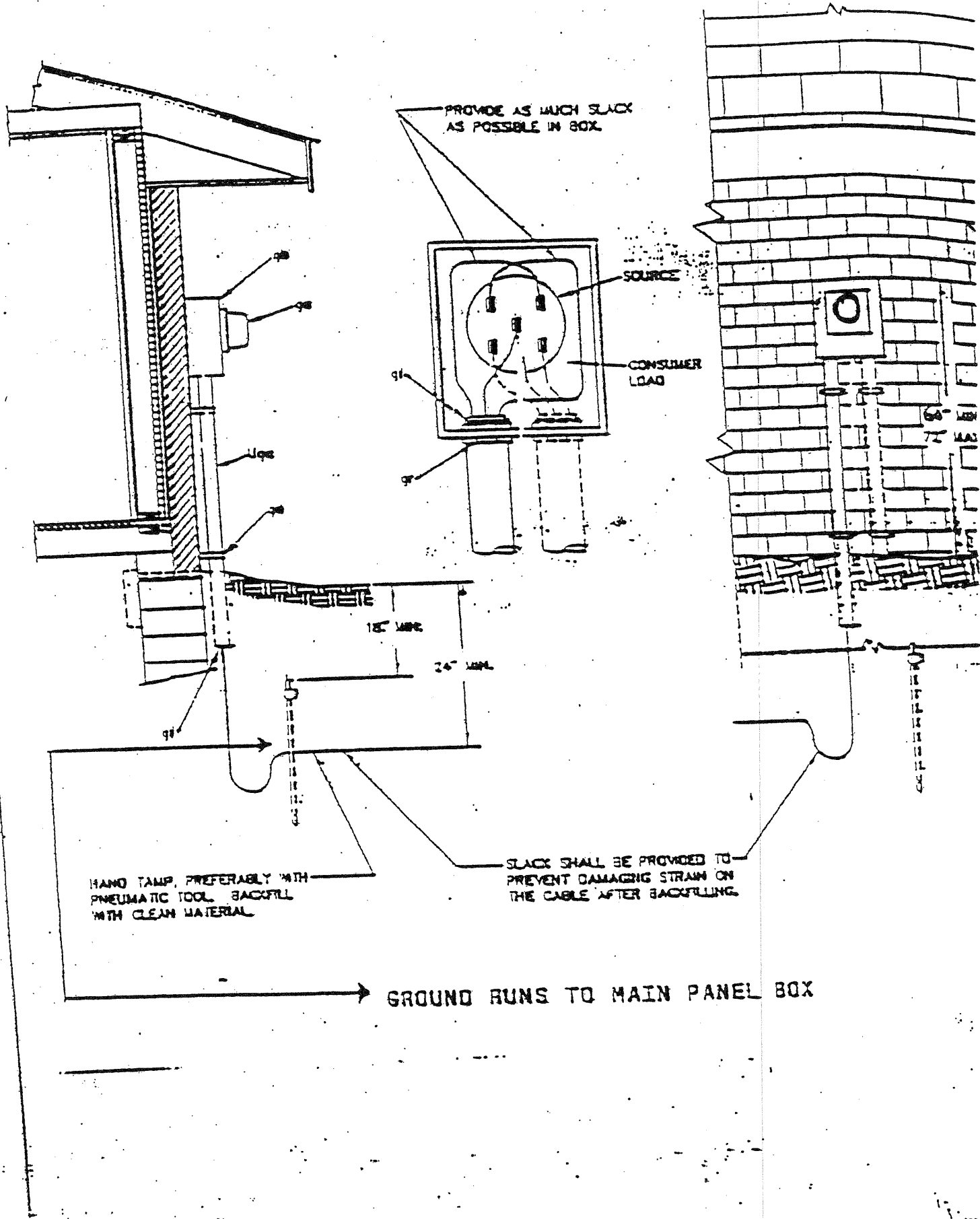
100 AMP & 200 AMP SERVICE WITH MAST

MATERIAL	100 AMP SERVICE	200 AMP SERVICE
Aluminum Wire, type THW/THHN in Conduit	#2	#4/0



18" clearance is permitted if conductor passes over not more than 48" of roof overhang. 3' minimum clearance is required if roof slope is standard 4 X 12 or greater.

Meter must be installed on outside of building and at all times accessible to cooperative employees.



PROVIDE AS MUCH SLACK AS POSSIBLE IN BOX.

SOURCE

CONSUMER LOAD

HAND TAMP, PREFERABLY WITH PNEUMATIC TOOL. BACKFILL WITH CLEAN MATERIAL.

SLACK SHALL BE PROVIDED TO PREVENT DAMAGING STRAIN ON THE CABLE AFTER BACKFILLING.

GROUND RUNS TO MAIN PANEL BOX