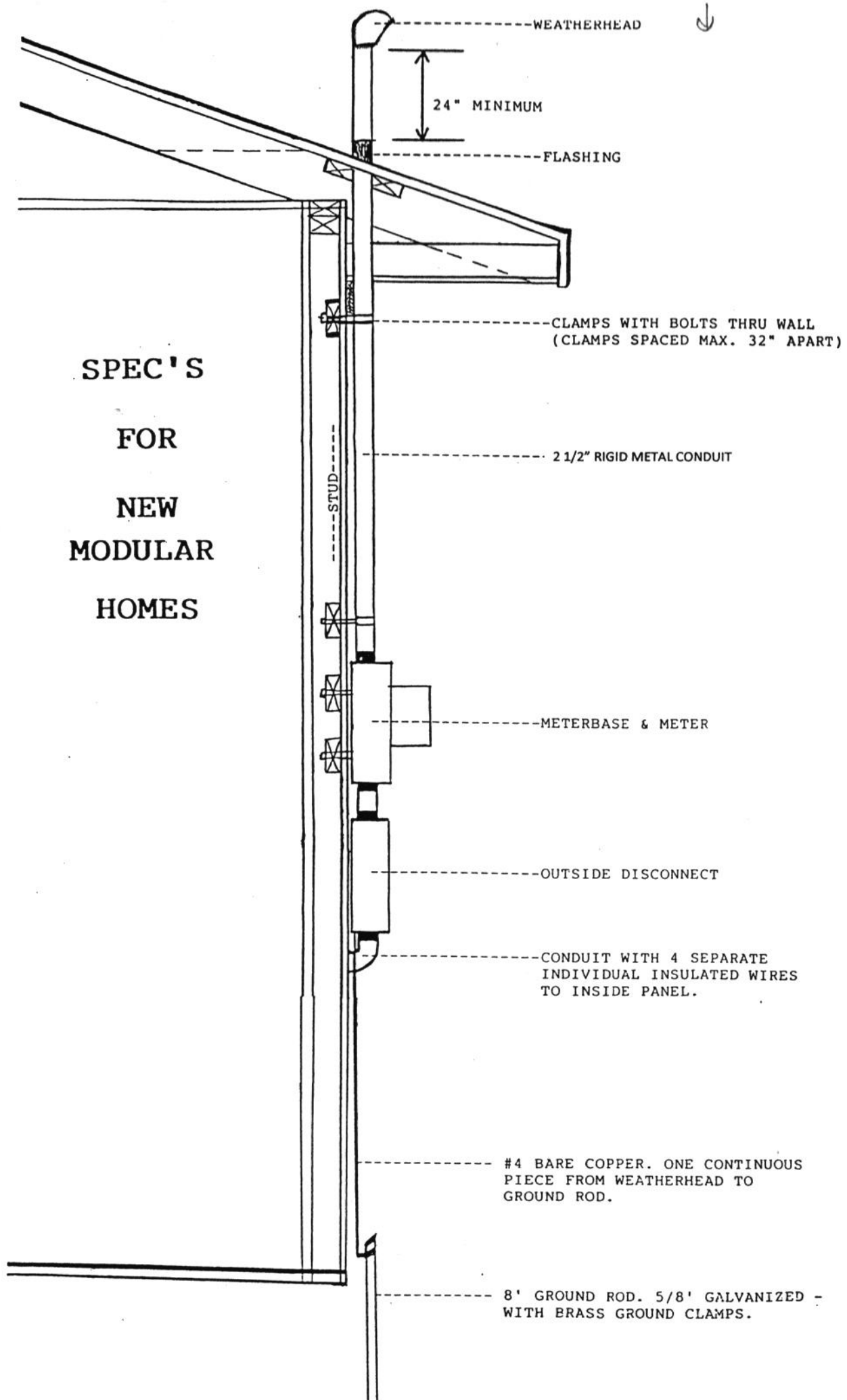
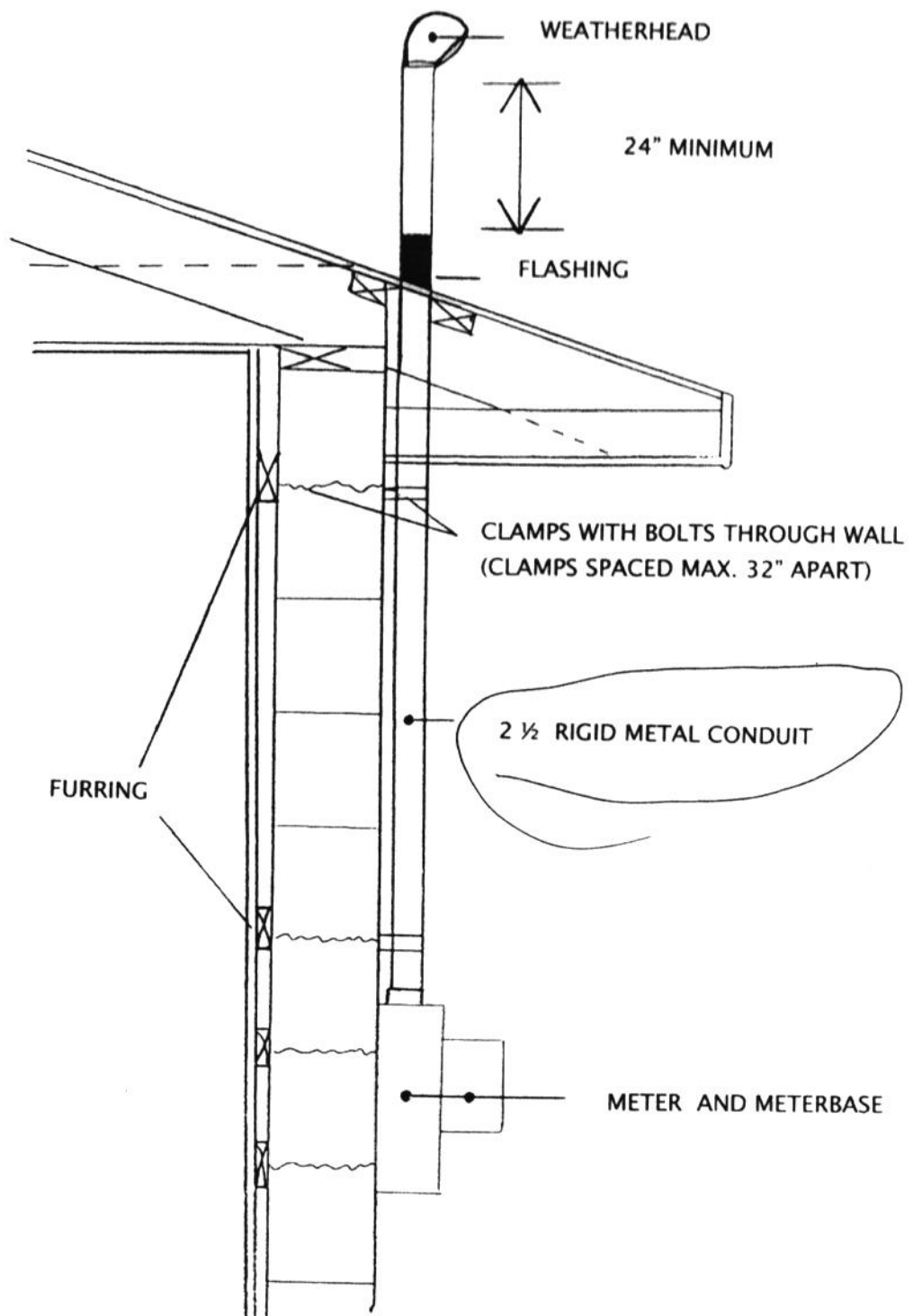


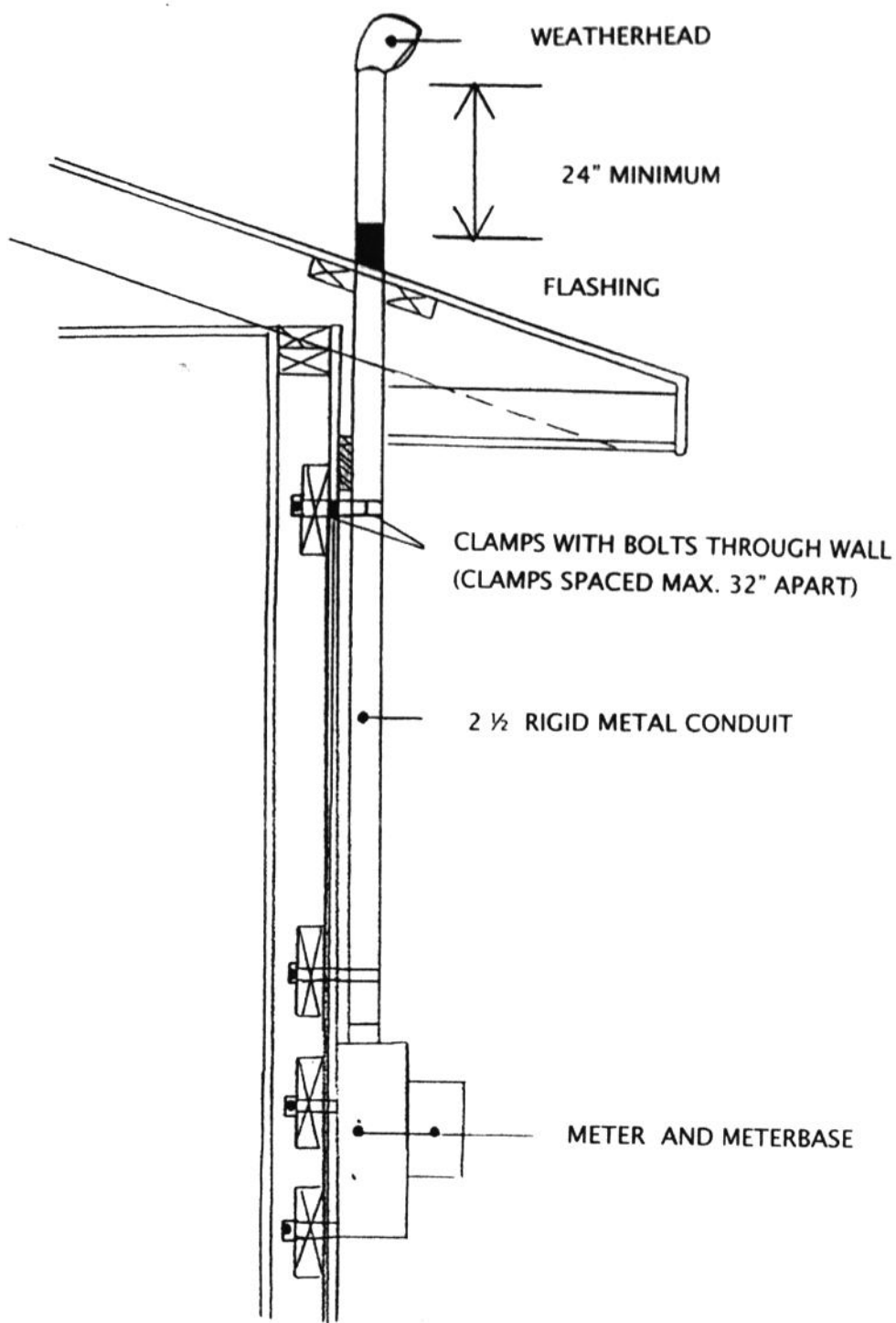
**SPEC'S
FOR
NEW
MODULAR
HOMES**





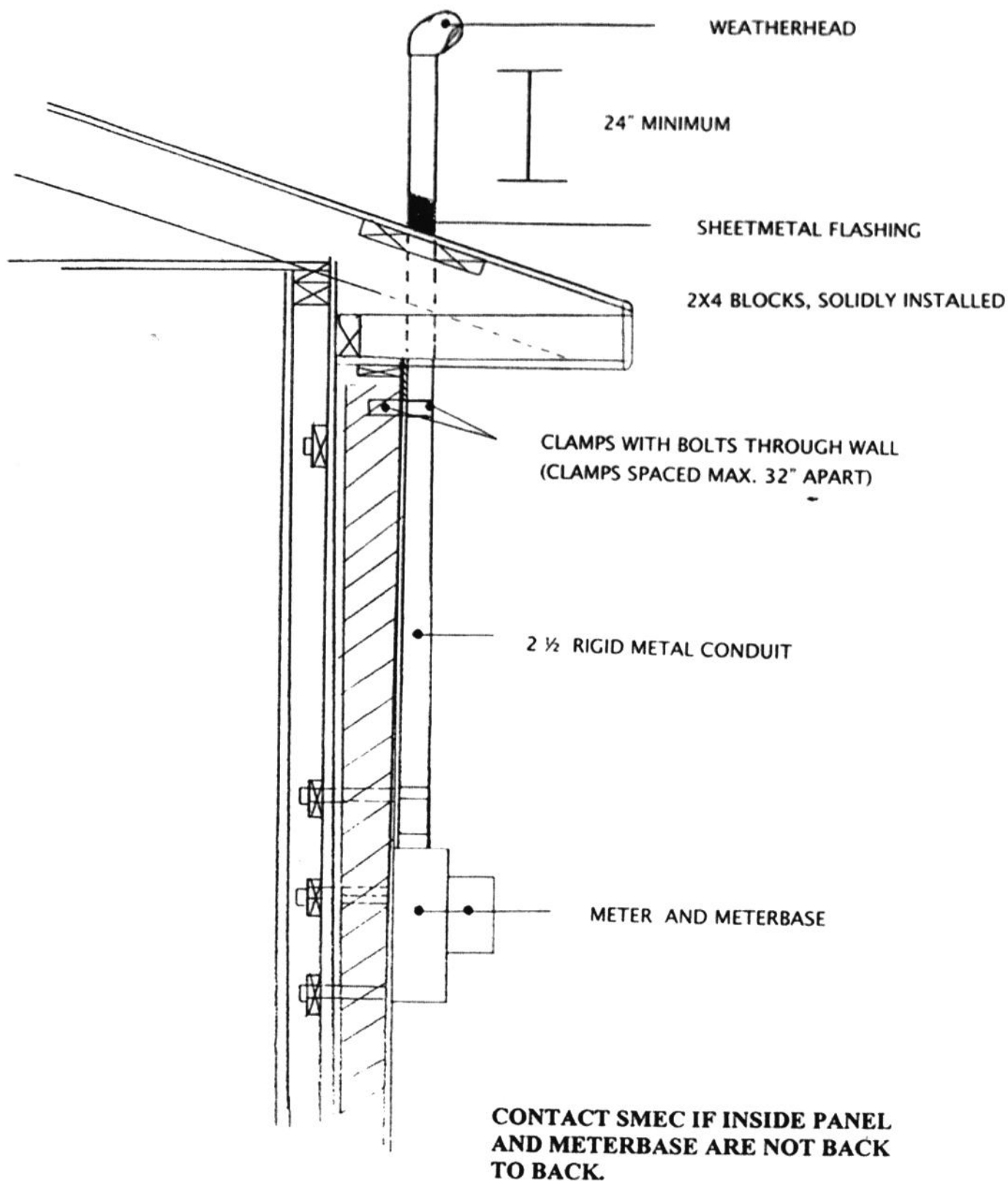
BLOCK CONSTRUCTION

CONTACT SMEC IF INSIDE PANEL
AND METERBASE ARE NOT BACK TO BACK



CONTACT SMEC IF INSIDE PANEL
AND METERBASE ARE NOT BACK TO BACK

STUD CONSTRUCTION



BRICK VENEER CONSTRUCTION

METER POLE INSTALLATION

Except under special applications approved by SMEC personnel, a disconnect means must be provided which shall be rain proof and dead front.

The meter socket shall be installed with the center of the socket not more than (6) six feet or less than (4) four feet from the ground.

When entrance cable is used, the cable shall have a weatherhead, installed thereon with adequately separated conductors (18" to 36") extending beyond the weatherhead, all completely made up with 1 ½ " non - corrosive screws for fastening the weatherhead firmly to the pole. The cable shall be fastened to the pole with the weather head being (24") two feet below SMEC secondary wire (low voltage). Clamps will be installed as needed but not more than (4) four feet apart.

When conduit is used, the weatherhead shall be (24") two feet below the lowest size of wires being used; secondary wire and sufficient wire shall extend from the weatherhead to reach the various SMEC conductors. The conduit shall be a size called for in the National Electrical Code for the number and size.

The ground wire shall be fastened to the pole (4) four feet below the secondary and (8) eight feet of wire above this point shall be left hanging for SMEC employees to make connection to the neutral. Wire shall be continuous to the ground rod, but may be tapped with a conductor to ground the switch box, which shall be grounded.

**NOTE: FOR METER ON POLE INSTALLATION -
SEE DRAWINGS THAT FOLLOW.**

TEMPORARY POLE INSTALLATION / METER ON POLE INSTALLATION

OVERALL LENGTH OF POLE SHOULD BE 20' WITH 4' IN GROUND, LEAVING A 16' CLEARANCE FROM GROUND TO TOP OF POLE. POLE SHOULD BE SIX (6) INCHES IN DIAMETER AT TOP OF POLE.

WEATHERHEAD SHOULD BE 2' FROM TOP OF POLE WITH 2' TO 3' WIRE OUT OF WEATHERHEAD FOR SMEC TO MAKE CONNECTIONS.

SERVICE ENTRANCE CABLE OR CONDUIT

#4 BARE COPPER
GROUND WIRE

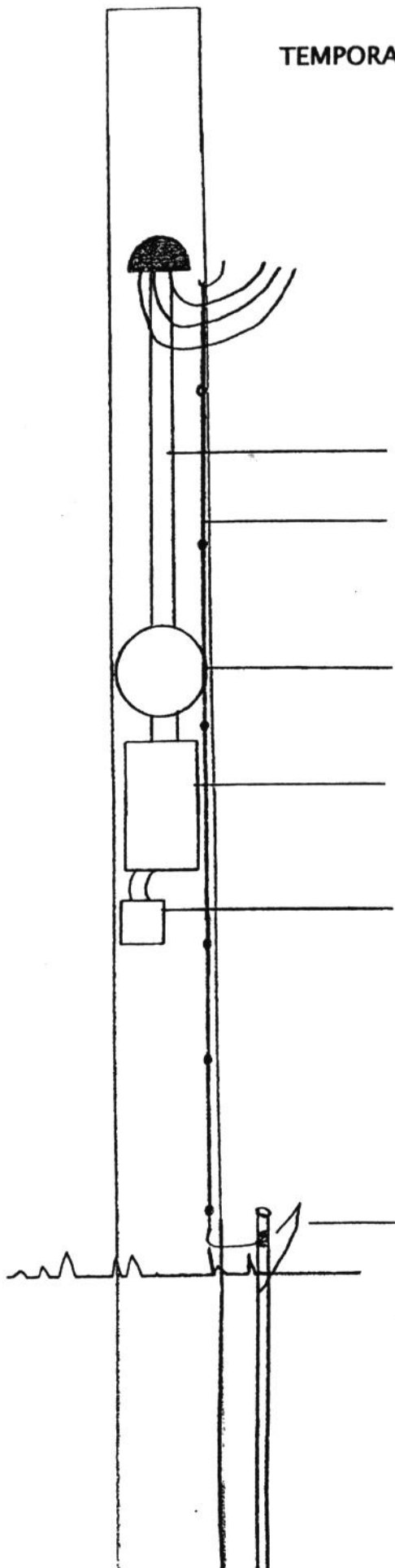
METERBASE APPROXIMATELY 5 ½ TO 6 FEET FROM
GROUND LEVEL

OUTSIDE DISCONNECT BOX WITH RAINTIGHT
MAIN SWITCH AND DEADFRONT COVER.

OUTSIDE RECEPTACLE / GFI REQUIRED

GROUND ROD AND CLAMP
GROUND LEVEL
POLE: FOUR (4) FEET IN GROUND

REVISED: 11-15-93
REVISED: 10-19-00



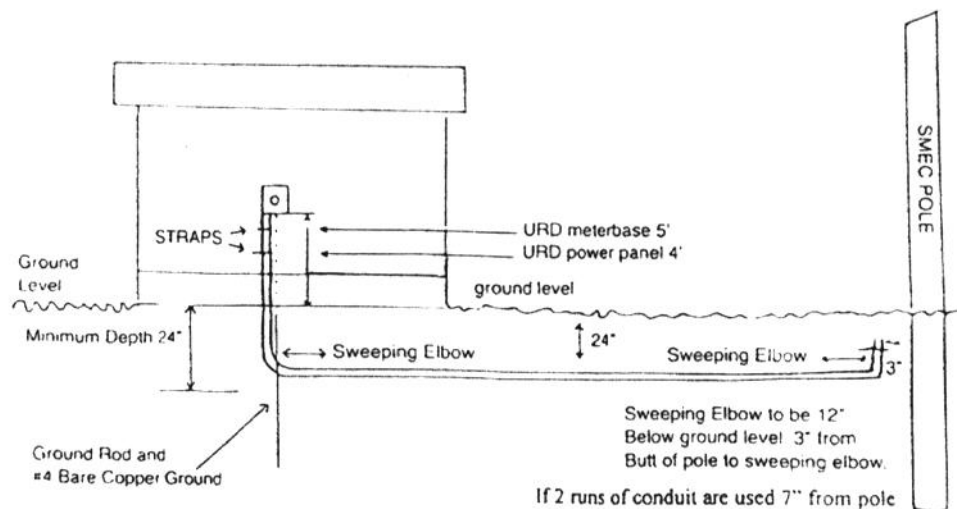
SPECIFICATIONS FOR UNDERGROUND SERVICE

- (1) SMEC Engineer will first determine if underground is feasible for Customer's location.
- (2) Engineer Department shall determine all underground meterbase location.
- (3) Underground cost must be paid before service is installed.
- (4) Service should not be any longer than 200'.
- (5) Customer to open and close ditch, minimum of 24".
- (6) Customer to supply 2 ½ inch schedule 40 electrical conduit for 200amp entrance (3" if more than 200amp) from meterbase to butt of pole and install conduit with rope inside of the conduit.
- (7) Customer will also supply (2) - sweeping elbows, one at the meterbase and the other at the pole. Top of sweeping elbow must be minimum of 12" below ground level and 3" from the butt of the pole. If 2-runs of conduit are used 7" from pole.

DO NOT COVER DITCH UNTIL SMEC ENGINEER HAS PASSED INSPECTION

After the inspection is made, the Engineer will tell customer when to cover ditch with 12" of dirt and place warning tape also in ditch. Then cover completely after the warning tape is installed.

SMEC CREWS WILL WORK AS SCHEDULED. SMEC WILL FURNISH CONDUIT, BRACKETS AND WEATHERHEAD FOR SMEC POLE.



CONTACT SMEC IF INSIDE PANEL AND METERBASE ARE NOT BACK-TO-BACK

UNDERGROUND PRIMARY AND SERVICE

PRIMARY UNDERGROUND

FOR PERMANENT SITE BUILT STRUCTURES, SUB-DIVISIONS AND ALL OTHER SITES REQUIRING SINGLE PHASE SERVICE THERE WILL BE A SERVICE CHARGE AND A COST PER FOOT OF PRIMARY CABLE. ALL FEES ARE DUE BEFORE ANY CONSTRUCTION CAN BEGAIN. WHEN CUSTOMER MEETS WITH SMEC ENGINEER AT THE LOCATION, FEES WILL BE DETERMINED AT THAT TIME. CUSTOMER IS REQUIRED TO OPEN AND CLOSE ALL REQUIRED TRENCHES AND INSTALL CONDUIT TO SMEC SPECIFICATIONS.

UNDERGROUND SERVICE

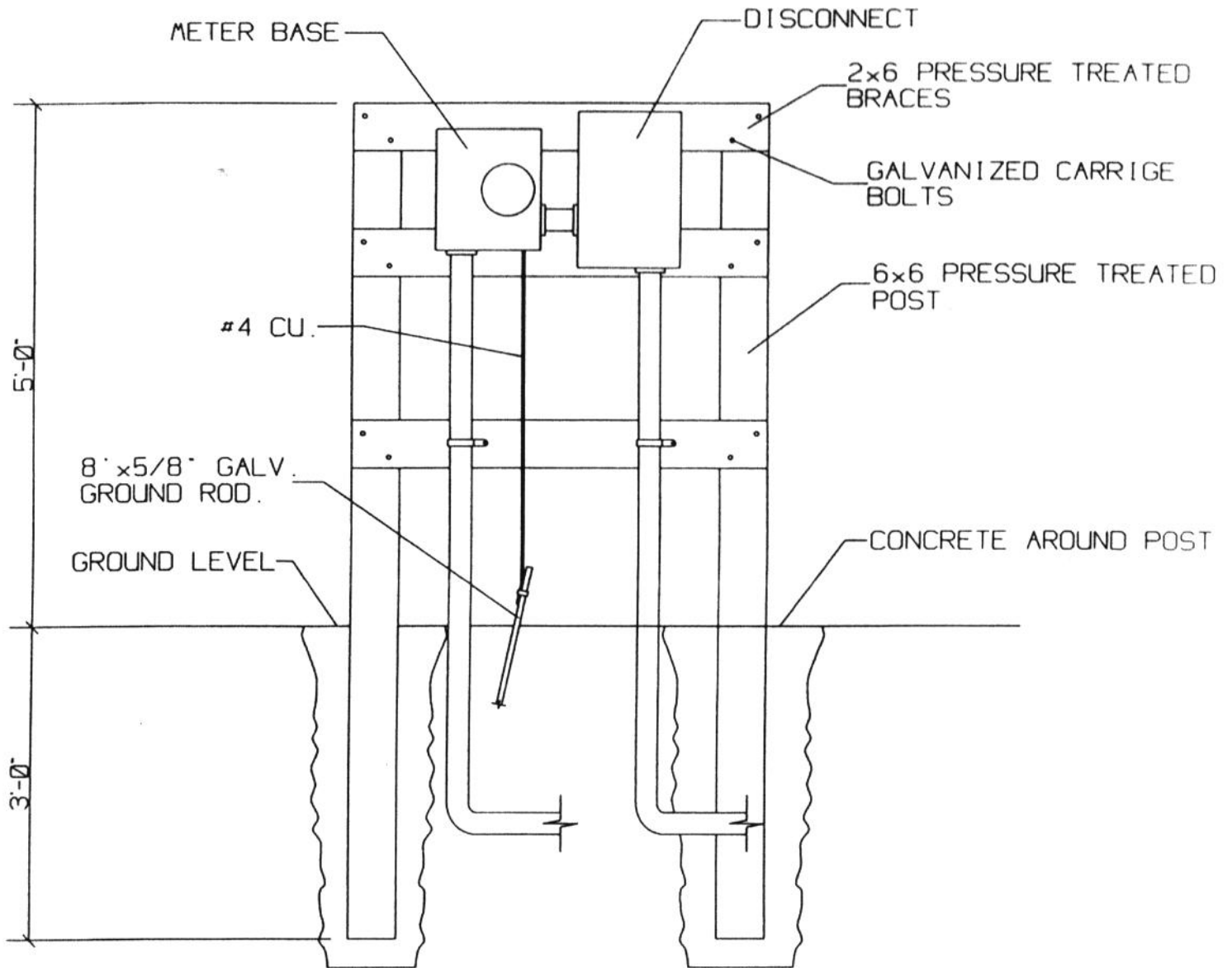
FOR NEW HOMES AND OTHER SITE BUILT STRUCTURES, ALSO FOR OTHER SITES THAT MIGHT REQUIRE UNDERGROUND SERVICE THERE WILL BE AN INTIAL SERVICE CHARGE DUE FOR MAXIMUM DISTANCE OF 200' OF UNDERGROUND SERVICE. THE CUSTOMER IS REQUIRED TO OPEN AND CLOSE TRENCH TO THE WIDTH AND DEPTH AND OTHER GENERAL SPECIFICATIONS OF SMEC FROM THE POINT ON THE EXISITING DISTRIBUTION SYSTEM TO THE SERVICE POINT. EACH OF THESE WILL BE DETERMINED BY SMEC.

CONVERSION FROM OVERHEAD TO UNDERGROUND SERVICE

FOR HOUSES AND OTHER BUILT STRUCTURES AND INTIAL SERVICE CHARGE WILL APPLY. THE CUSTOMER IS REQUIRED TO OPEN AND CLOSE TRENCH TO THE WIDTH AND DEPTH AND OTHER GENERAL SPECIFICATIONS OF SMEC FROM THE POINT ON THE EXISTING DISTRIBUTION SYSTEM TO THE SERVICE POINT. EACH OF THESE WILL BE DETERMINED BY SMEC.

**ALL H- STRUCTURES HAS TO BE WITHIN 30' OR LESS
FROM THE INSIDE PANEL.**

H-STRUCTURE FOR UNDERGROUND SERVICES



SAND MOUNTAIN ELECTRIC COOPERATIVE MOBILE HOME INSTALLATION GUIDELINES

SERVICE REQUIREMENTS

- Must complete application
- Must pay construction cost and deposit
- Must obtain building or parking permit
(Rainsville, Hammondville & Collinsville must obtain from the City Hall)
- Must obtain easements for right of way
- Must obtain meterbase from SMEC
- Must obtain pole and guy location - required after mobile home is located on property.

POLE REQUIREMENTS

- Must be factory treated for earth contact to prevent decay
- Must be at least 4' in the ground and guyed (if required)
- Must be provided and installed by customer
- Must be at least 20' long. Must be six (6) inches in diameter at top of pole.
- Must be installed a maximum of 30' from the structure being serviced.

CONDUIT OR SERVICE ENTRANCE CABLE TYPE:

- Weatherhead to outside disconnect:
 - Rigid or EMT with rain tight fittings.
- Outside disconnect to inside panel:
 - Rigid, metallic and non-metallic or EMT
- Pole 2' or less from mobile home
 - Conduit may be buried or above ground
- Pole over 2' from mobile home
 - Conduit must be buried

**NOTE: EMT CONDUIT IS NOT APPROVED FOR BURIAL
USE SCHEDULE 40 OR SCHEDULE 80 PVC, OR RIGID METAL.**

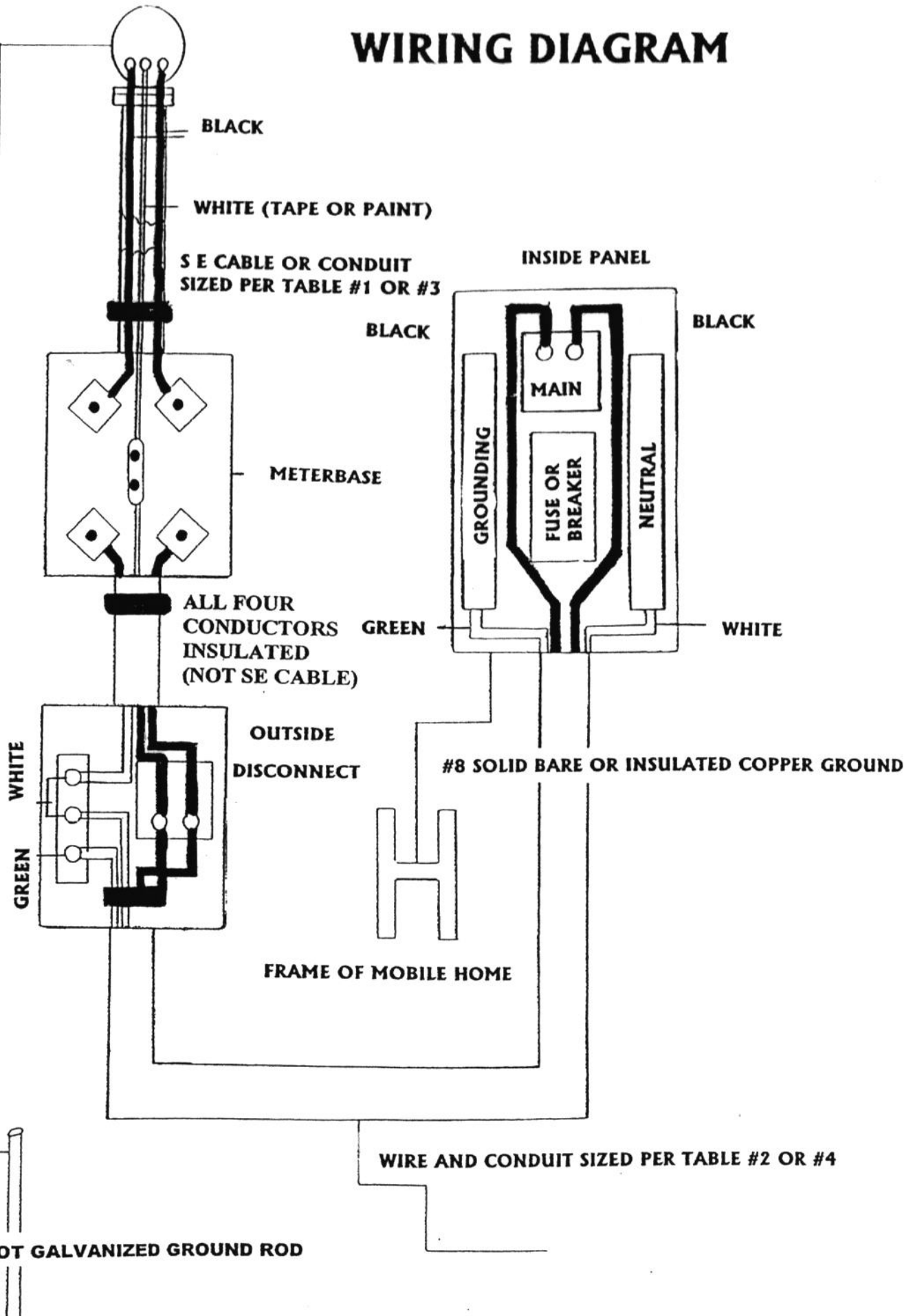
**NOTE: DO NOT USE SERVICE ENTRANCE CABLE FROM
DISCONNECT INTO INSIDE PANEL OF HOME**

**NEC REQUIRES CUSTOMER OWNED POLE TO BE WITHIN 30' OF MOBILE HOME. IF FURTHER
IN DISTANCE A SECOND DISCONNECT WILL BE REQUIRED.**

WIRING DIAGRAM

DO NOT CUT #4 BARE COPPER GROUND.
IT MUST BE A CONTINUOUS PIECE FROM
GROUND ROD TO METERBASE

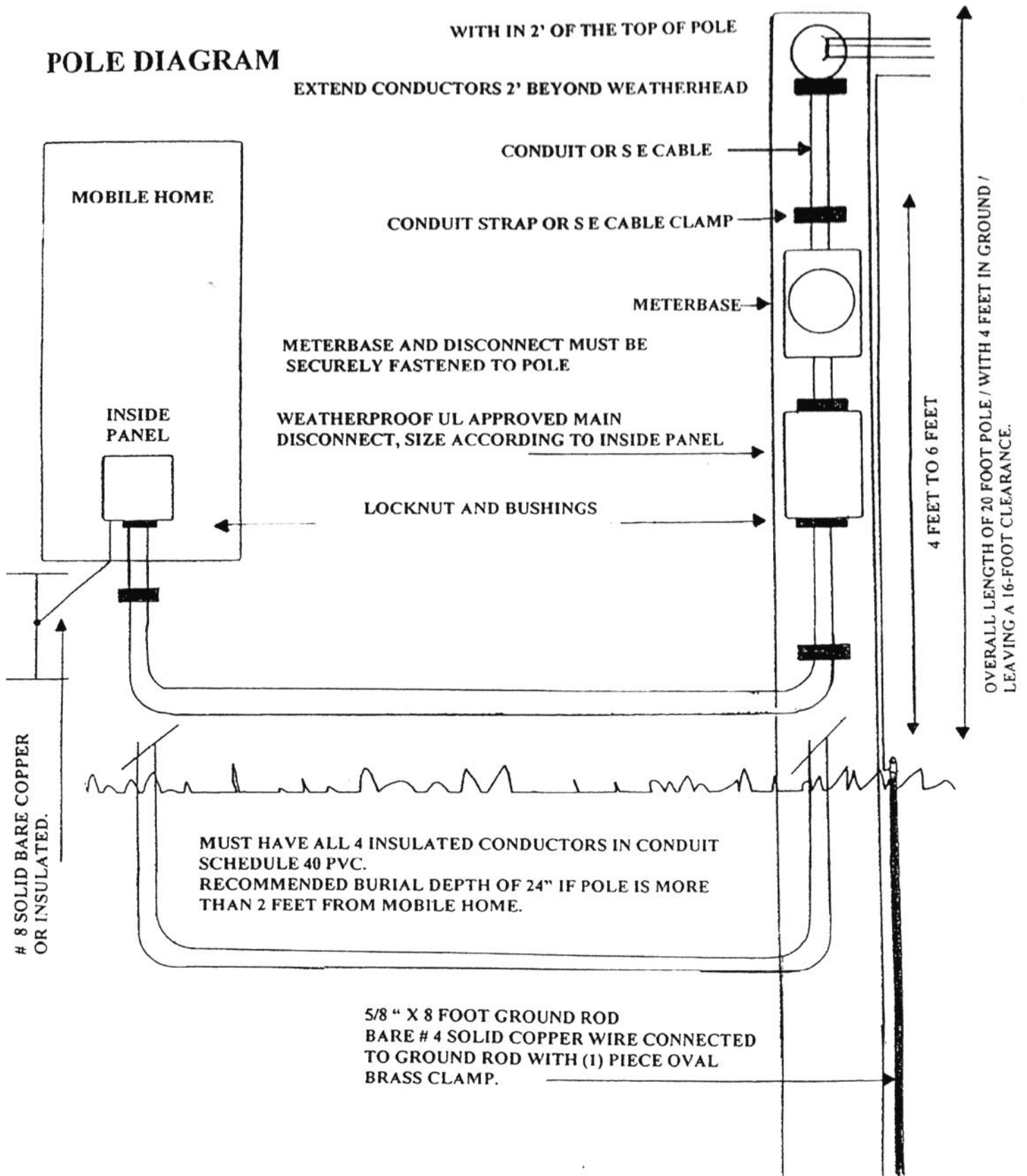
#4 SOLID BARE COPPER



5/8" X 8 FOOT GALVANIZED GROUND ROD

**MOBILE HOME MUST BE IN PLACE
AT TIME OF INSPECTION!**

POLE DIAGRAM



MINIMUM CONDUIT AND WIRE SIZE

TABLE 1. Wire Size from Weatherhead to:
OUTSIDE DISCONNECT

COPPER	60A	100A	125A	150A	200A
2-Black	6	4	2	1	2/0
1-White	8	8	8	6	4
Conduit Size	1"	1 ¼"	1 ¼"	2"	2"

TABLE 3.

ALUMINUM					
2-Black	4	2	1/0	2/0	4/0
1-White	6	6	6	4	2
Conduit Size	1 ¼"	1 ½"	2"	2"	2"

TABLE 2. Wire Size from Outside Disconnect to:
INSIDE PANEL

COPPER	60A	100A	125A	150A	200A
2-Black	6	4	2	1	2/0
1-White	8	8	8	6	4
1-Green	10	10	8	6	6
Conduit Size	1 ¼"	1 ¼"	1 ¼"	2"	2"

TABLE 4.

ALUMINUM					
2-Black	4	2	1/0	2/0	4/0
1-White	6	6	6	4	2
1-Green	8	6	6	4	4
Conduit Size	1 ¼"	1 ½"	2"	2"	2"

All wire must be temperature rated for 75 degree C (Distributor Requirement)

CONDUCTOR TYPES: Above ground in conduit – RH, WHH, RHW, RUH, THHN, THW, THWN, XHHW, and USE. Underground in conduit– RHW, THW, THWN, XHHW, USE. Direct burial USE (identified for underground use)

FOUR (4) INSULATED CONDUCTORS: Feeder from outside disconnect to inside panel shall consist of four (4)–insulated conductors sized and colored per Tables No. 2 & 4.

ALUMINUM CONDUCTORS: If aluminum wire is used, it shall be listed by the Underwriters Laboratory and all connections shall be approved for use with aluminum conductors and coated with oxide inhibitor.

POWER SUPPLY CORD: Mobile homes equipped with power supply cord and plug rated 40A or 50A shall be connected to outside service equipment through compatible female plug and shall be protected by a breaker or fuse of equal rating.

GROUNDING: A 5/8" x 8' galvanized steel or copper clad ground rod shall be driven 8' into ground. No. 4 CU solid wire shall connect the ground rod to service neutral at the weatherhead.