KANKAKEE VALLEY REMC

114 SOUTH MAIN STREET
P.O.BOX 157
WANATAH, INDIANA 46390

PHONE: 219-733-2511
or 800-552-2622
FAX: 219-733-7301

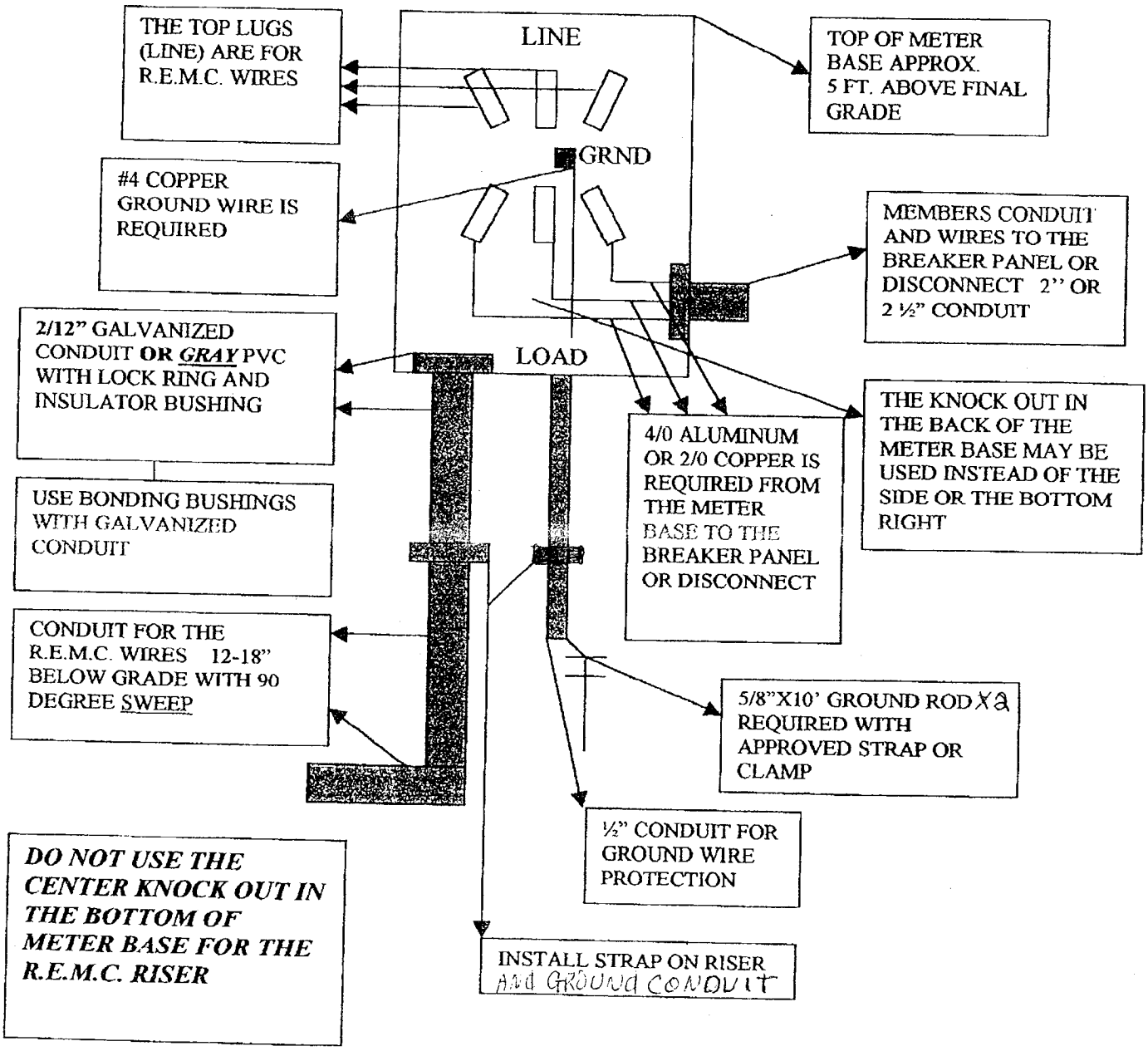
200 AMP UNDERGROUND METER PANEL RECOMMENDATIONS

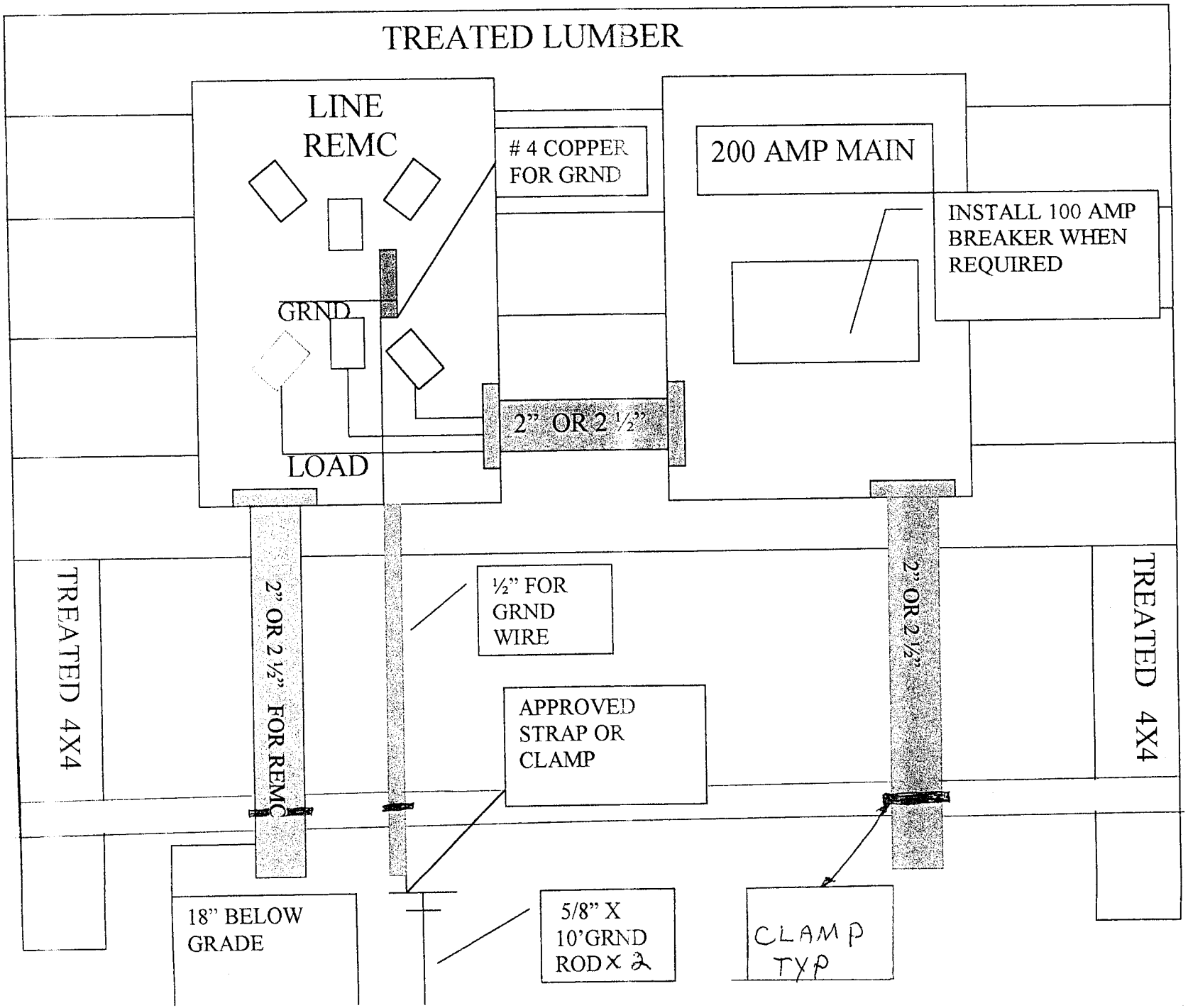
(1) THE MINIMUM SIZE UNDERGROUND SERVICE THE R.E.M.C. INSTALLS IS 200 AMP
(2) PLEASE USE THE METER BASE R.E.M.C. SUPPLIES
(3) USE TREATED LUMBER FOR THE PANEL BOARD
(4) SUPPORT POST TO BE 4X4 (TREATED) MINIMUM
(5) TOP OF PANEL BOARD 5 FT. ABOVE FINAL GRADE
(6) THE TOP **(LINE)** LUGS IN THE METER BASE ARE FOR THE R.E.M.C. WIRES
(7) THE BOTTOM **(LOAD)** LUGS IN THE METER BASE ARE FOR THE MEMBERS WIRES TO GO TO THE DISCONNECT
(8) 4/0 ALUMINUM OR 2/0 COPPER REQUIRED FROM THE METER BASE TO THE DISCONNECT
(9) # 4 COPPER REQUIRED FOR THE GROUND WIRE
(10) A 5/8"X10' GROUND IS REQUIRED X 2 — 6' APART
(11) USE APPOVED STRAP OR CLAMP TO CONNECT THE GROUND WIRE TO THE GROUND ROD ACORN TYPE
(12) 2" OR 2 ½" CONDUIT, GALVANIZED OR **GRAY** PVC REQUIRED
(13) ½" CONDUIT REQUIRED FOR THE GROUND WIRE
(14) INSULATING BUSHINGS AND LOCK RINGS REQUIRED, AND BONDING BUSHINGS IF GALVANIZED CONDUIT IS USED
(15) INSULATING BUSHING REQUIRED ON THE BOTTOM OF THE CONDUIT FOR THE R.E.M.C. WIRES
(16) MOBILE HOMES AND MODULARS WITH STEEL FRAMES REQUIRE A FOUR WIRE SERVICE FROM THE DISCONNECT TO THE HOME
(17) THE FOURTH WIRE IS TO BE A #6 OR #4 COATED COPPER WIRE TO CONTACT TO THE FRAME OF THE HOME AND TO THE BREAKER PANEL GROUND IN THE HOME

DO NOT USE THE CENTER KNOCK OUT IN THE BOTTOM OF THE METER BASE FOR THE R.E.M.C. RISER, PLEASE USE THE BOTTOM LEFT

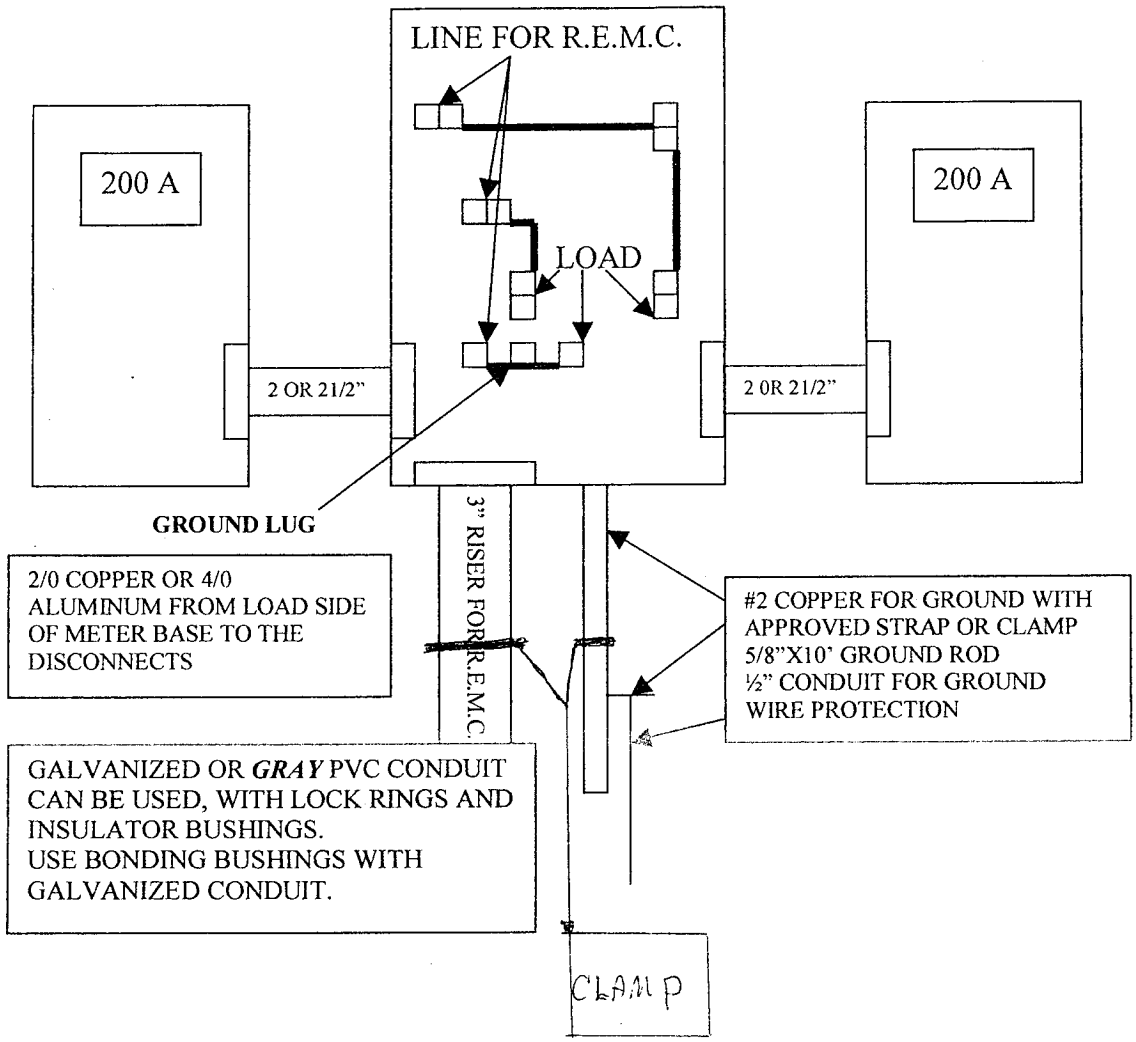
KANKAKEE VALLEY R.E.M.C.

200 AMP UNDERGROUND SERVICE RECOMMENDATIONS




TREATED LUMBER
LINE
REMC
4 COPPER
FOR GRND
200 AMP MAIN
INSTALL 100 AMP
BREAKER WHEN
REQUIRED
GRND
2" OR 2 ½"
LOAD
TREATED 4X4
2" OR 2 ½" FOR REMC
½" FOR
GRND
WIRE
APPROVED
STRAP OR
CLAMP
2" OR 2 ½"
TREATED 4X4
18" BELOW
GRADE
5/8" X
10'GRND
ROD X 2
CLAMP
TYP

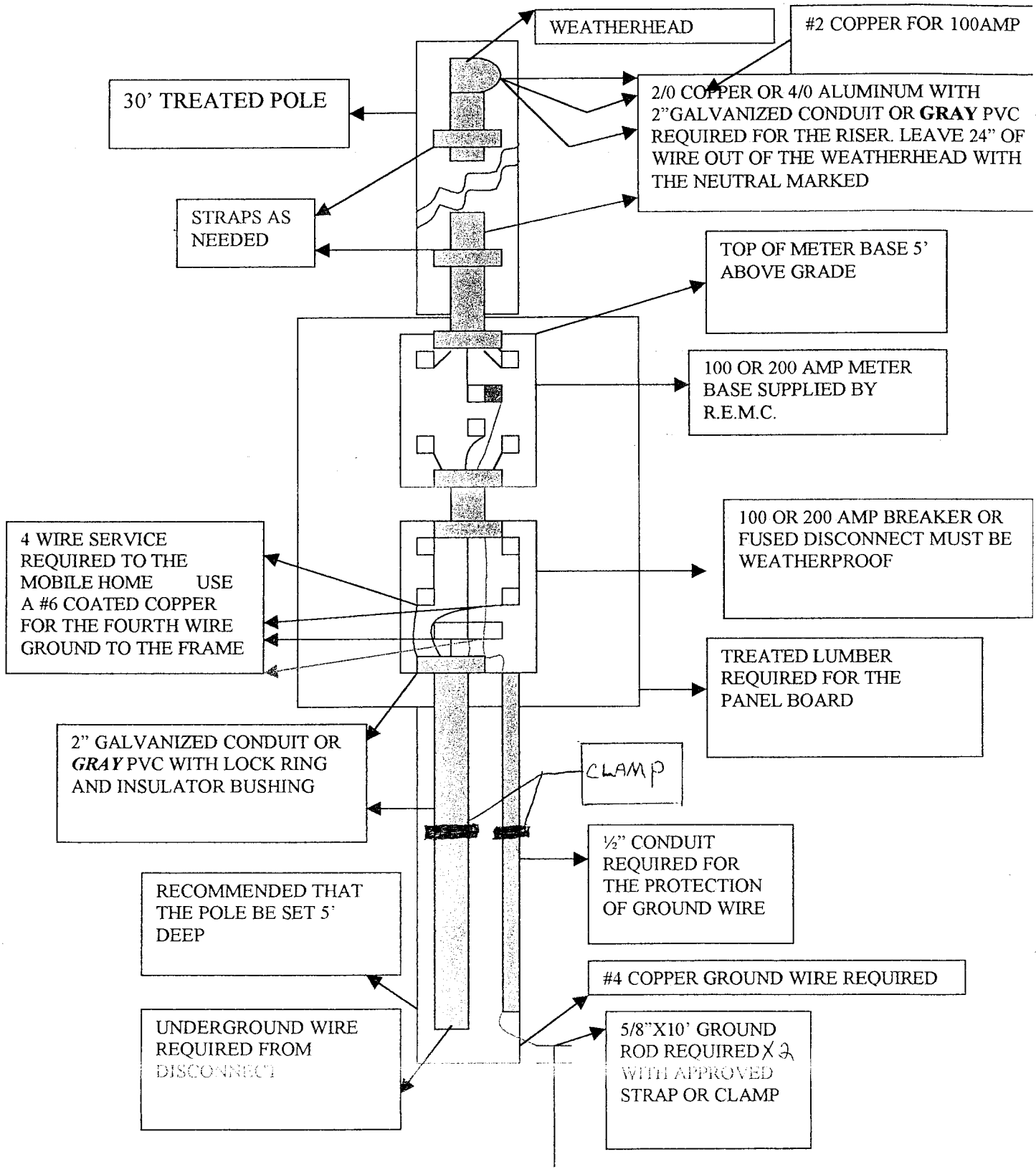
400 AMP (320) RECOMMENDATIONS



KANKAKEE VALLEY R.E.M.C.

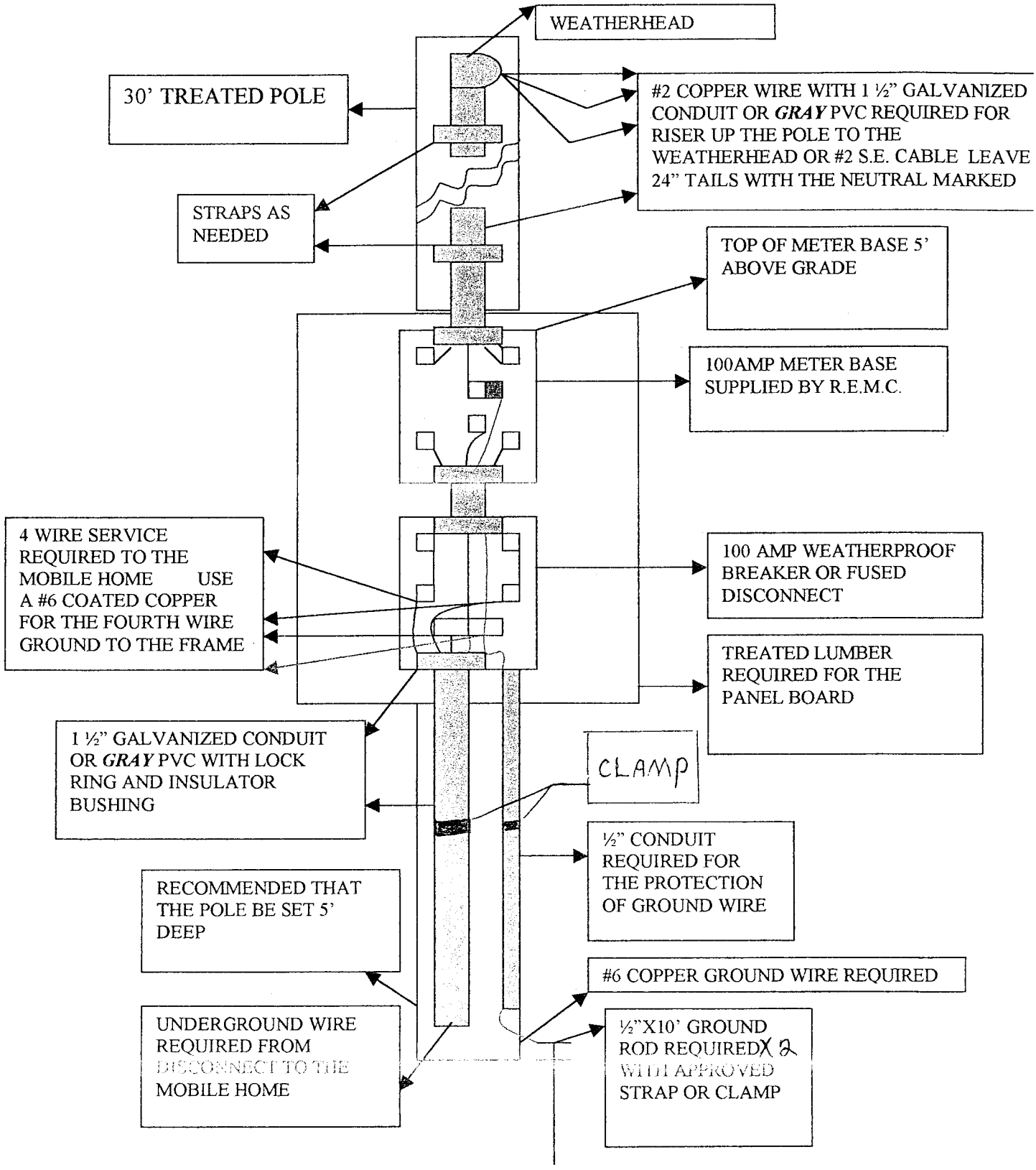
200 AMP METER POLE RECOMMENDATIONS

100 AMP METER POLE RECOMMENDATIONS



KANKAKEE VALLEY R.E.M.C.

100 AMP METER POLE RECOMMENDATIONS
FOR MOBILE HOME SERVICE

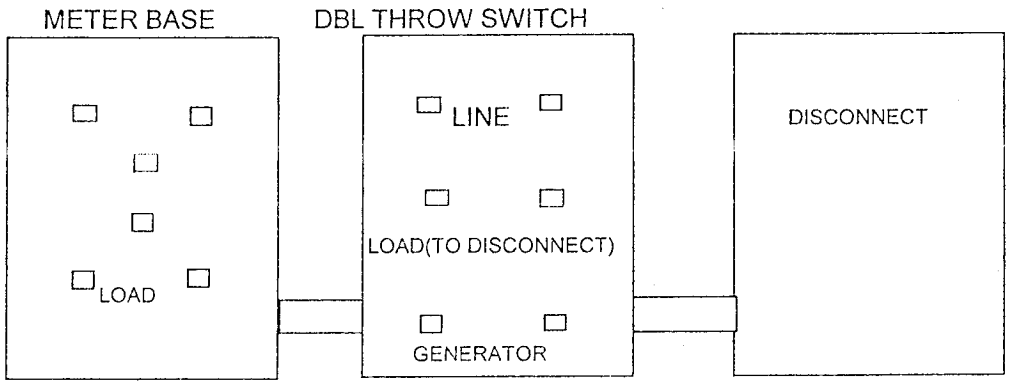


DOUBLE THROW TRANSFER SWITCH
INSTALLATION REQUIREMENTS

INSTALL WIRING AND EQUIPMENT TO MEET ***NEC*** REQUIREMENTS,LOCAL REGULATIONS, AND THE REQUIREMENTS OF THE POWER SUPPLIER.
SINGLE PHASE STANBY GENERATORS ARE CONNECTED TO THE ELECTRICAL SERVICE BY A DOUBLE-POLE, DOUBLE THROW TRANSFER SWITCH.
THIS PREVENTS ACCIDENTALLY FEEDING POWER BACK INTO THE UTILITY LINES, TO THE NEIGHBORS OR TO UTILITY WORKERS SERVICING THE LINES, AND PROTECTS THE GENERATOR FROM DAMAGE WHEN THE POWER IS RESTORED.

BE SURE THE SWITCH IS RAIN TIGHT, AND PROPERLY GROUND IT.
SIZE THE SWITCH ACCORDING TO THE RATING OF THE SERVICE ENTRANCE.
COMMON SIZES ARE 100 AMP, 200 AMP, OR 400 AMP.
INSTALL THE SWITCH ***BETWEEN THE METER AND THE MAIN DISCONNECT.***

WHEN THE SWITCH IS IN THE **UP POSITION,** IT IS CONNECTED TO THE UTILITY AND LOAD.
WHEN THE SWITCH IS IN THE **DOWN POSITION,** IT IS CONNECTED TO THE GENERATOR AND LOAD.



NOTE: CONNECT THE LOAD SIDE OF THE METER BASE TO THE LINE SIDE OF THE DBL. THROW TRANSFER SWITCH