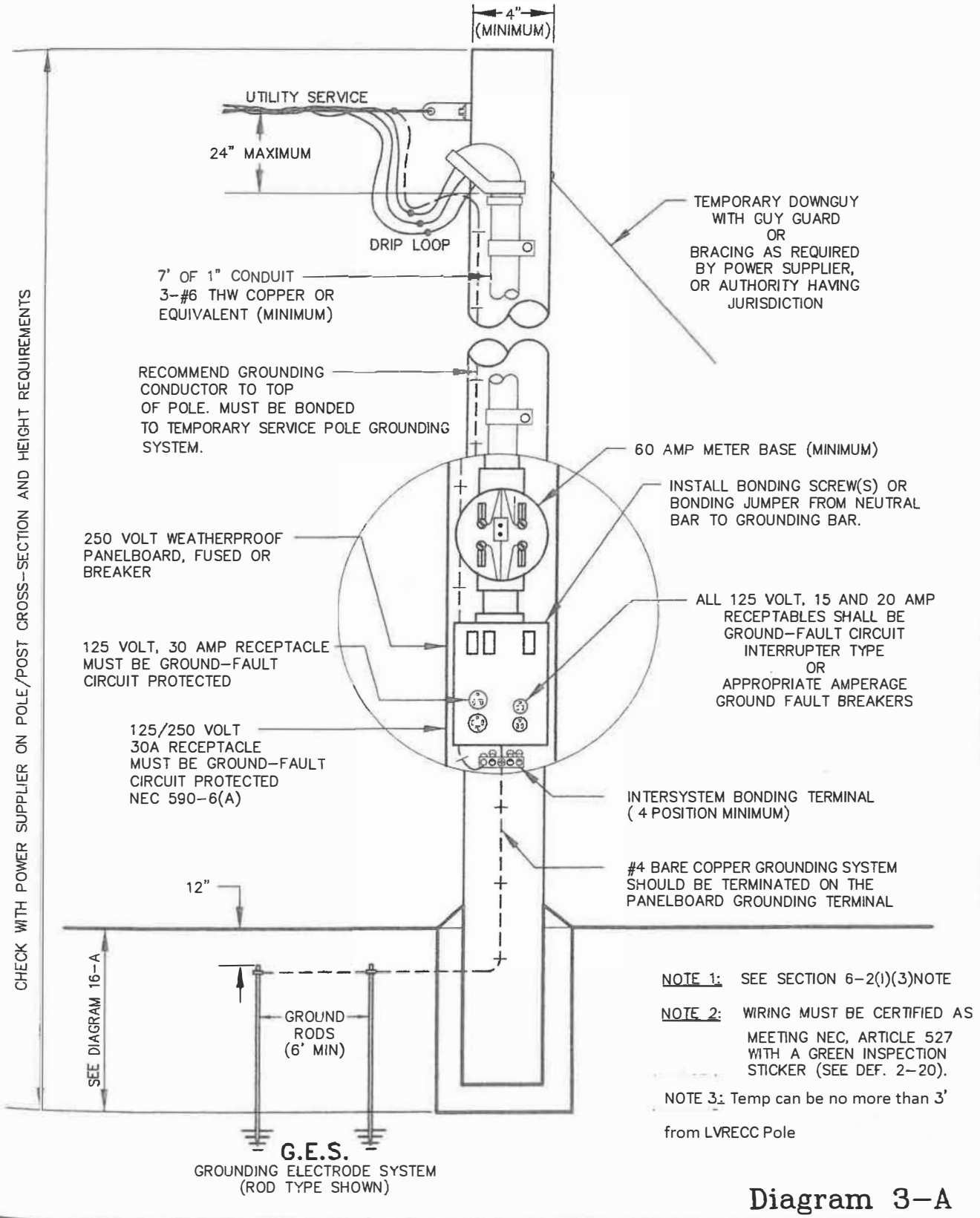
TEMPORARY SERVICE GUIDE

(CONTACT POWER SUPPLIER FOR THEIR SPECIFICATIONS)



NOTE 1: SEE SECTION 6-2(1)(3)NOTE

NOTE 2: WIRING MUST BE CERTIFIED AS MEETING NEC, ARTICLE 527 WITH A GREEN INSPECTION STICKER (SEE DEF. 2-20).

NOTE 3: Temp can be no more than 3' from LVRECC Pole

Diagram 3-A

SERVICE
BELOW ROOF

VERTICAL CLEARANCES

(1)

12 FT. OVER RESIDENTIAL PROPERTY AND THOSE COMMERCIAL AREAS NOT SUBJECTED TO TRUCK TRAFFIC WHERE VOLTAGE IS LIMITED TO 300 VOLTS TO GROUND.

15 FT. WHERE SUBJECT TO NON-ROUTINE VEHICULAR TRAFFIC

18 FT. MINIMUM ABOVE PUBLIC STREETS, ALLEYS AND CULTIVATED OR GRAZING AREAS.

(2)

SERVICE ATTACHMENT ZONE POINT OF ATTACHMENT SHOULD NOT BE FARTHER THAN 2 FEET FROM THE WEATHERHEAD AND INSTALLED BY THE ELECTRICIAN TO ATTACH UTILITY SERVICE DROP. (SEE UTILITY FOR LOCATION.)

(3)

MINIMUM CONDUIT SIZE
SEE TABLES 8-C, 8-E, 8-F

FOR SINGLE FAMILY DWELLINGS ONLY				
AMP	COPPER	CONDUIT	ALUM.	CONDUIT
100	#4	1 1/4"	#2	1 1/4"
200	#2/0	1 1/2"	#4/0	2"

(4)

GROUNDING ELECTRODE CONDUCTORS SHALL BE UNSPLICED AND HAVE 6" EXPOSED FOR THE INTERSYSTEM BONDING TERMINAL (4 POSITION, MINIMUM) FOR OTHER SYSTEMS. ELECTRICAL NONMETALLIC OR METAL CONDUIT SHALL BE USED FOR PROTECTION. IF METALLIC, BOND BOTH ENDS. (SEE SECTION 4.1 THRU 4.6) & (NEC 250.64E)

(5)

GROUNDING ELECTRODE SYSTEM (G.E.S.)
ALL NEW BUILDING FOUNDATIONS CONTAINING QUALIFIED CONCRETE-ENCASED REINFORCING RODS, MUST BECOME A PART OF THE G.E.S. ALL OTHER INSTALLATIONS MUST CONSIDER PIPE, ROD OR PLATE TYPE G.E.S. (SEE SECTION 4.1 THRU 4.6)

(6)

CONTACT LOCAL UTILITY FOR METERBASE AND RISER/WEATHERHEAD LOCATION, BY-PASS REQUIREMENT, AND POINT OF ATTACHMENT.

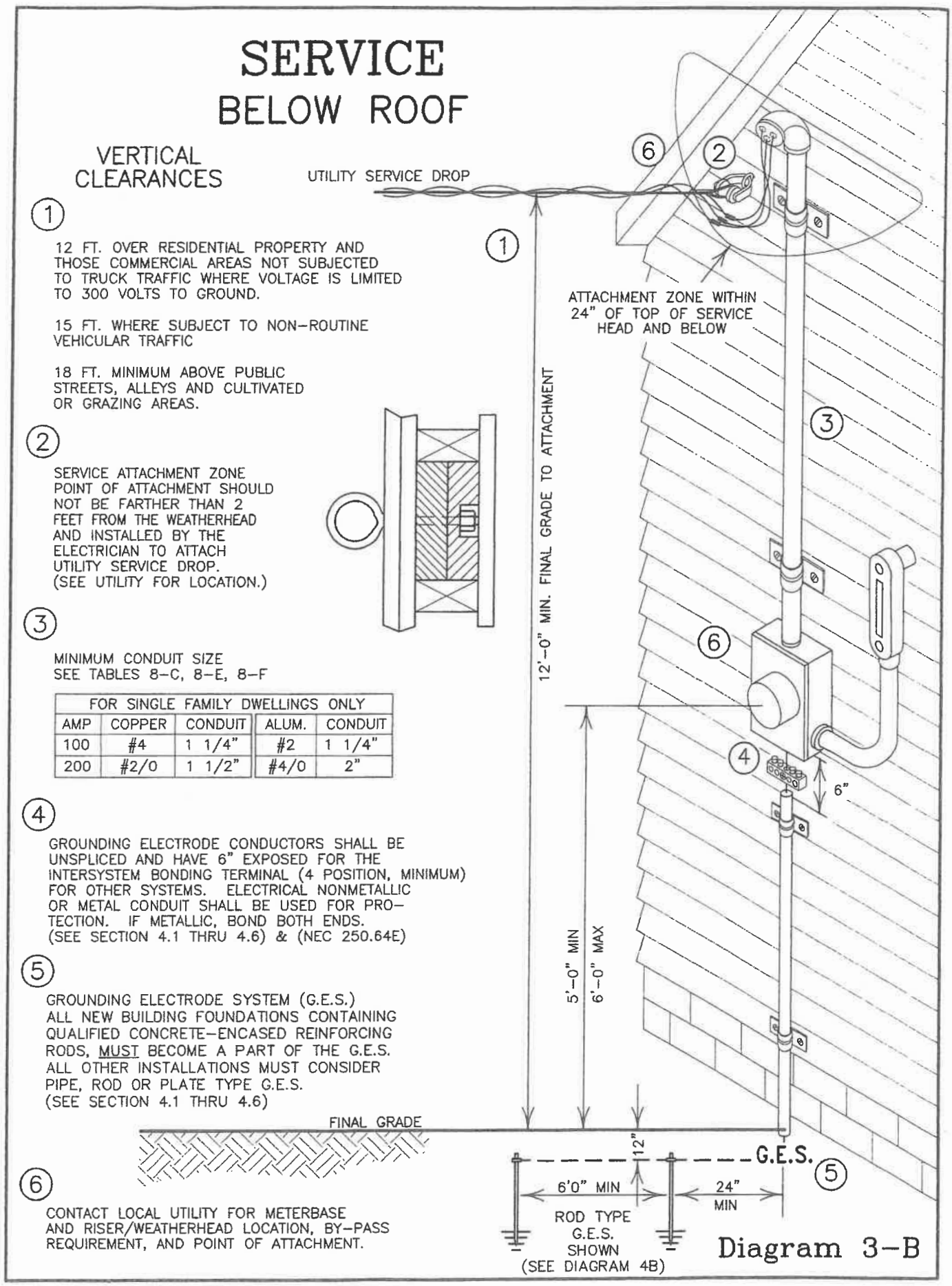
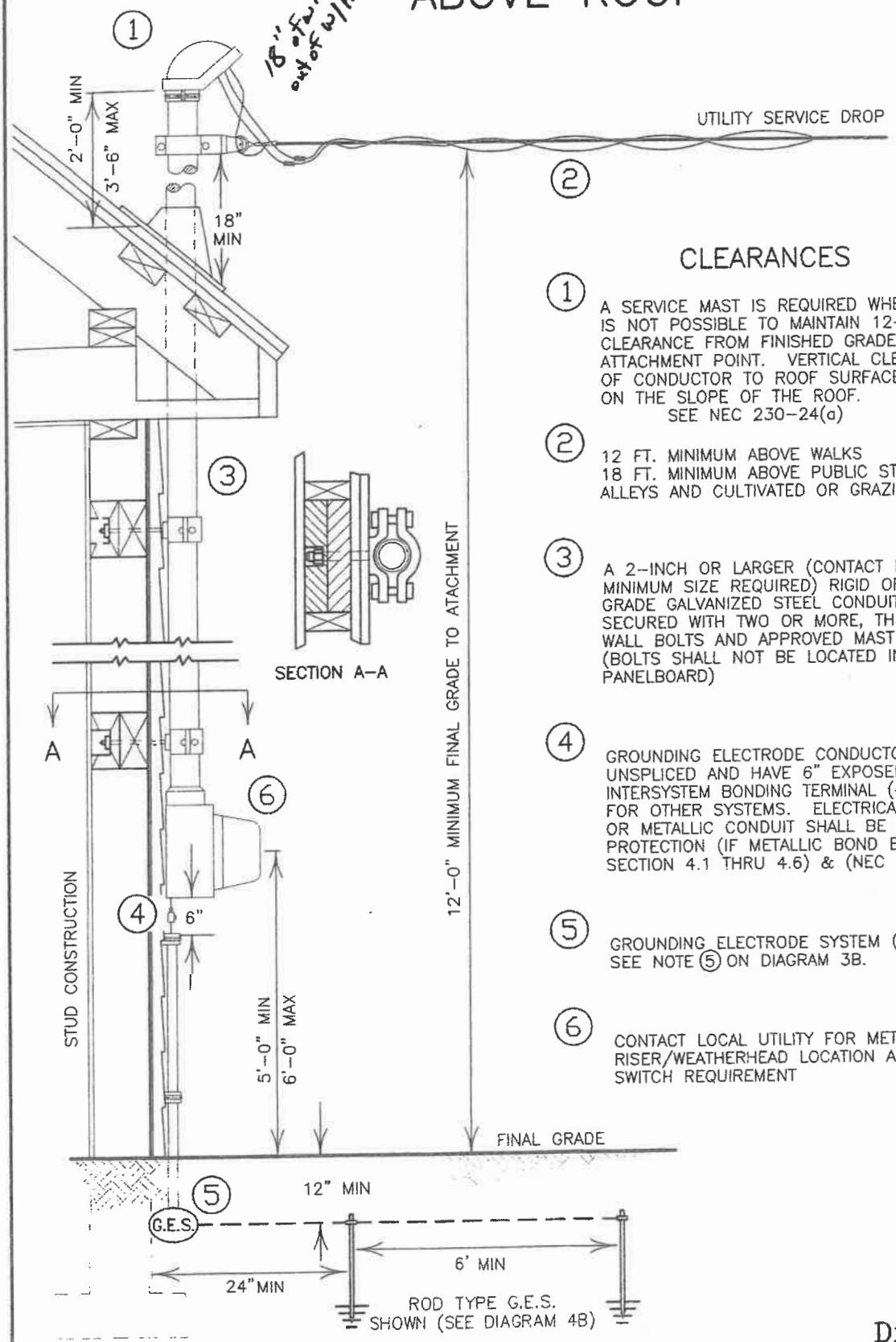


Diagram 3-B

SERVICE
ABOVE ROOF



CLEARANCES

1. A SERVICE MAST IS REQUIRED WHEN IT IS NOT POSSIBLE TO MAINTAIN 12-FT. CLEARANCE FROM FINISHED GRADE TO ATTACHMENT POINT. VERTICAL CLEARANCE OF CONDUCTOR TO ROOF SURFACE DEPENDS ON THE SLOPE OF THE ROOF. SEE NEC 230-24(a)

2. 12 FT. MINIMUM ABOVE WALKS
   18 FT. MINIMUM ABOVE PUBLIC STREETS, ALLEYS AND CULTIVATED OR GRAZING AREAS.

3. A 2-INCH OR LARGER (CONTACT LOCAL UTILITY FOR MINIMUM SIZE REQUIRED) RIGID OR INTERMEDIATE GRADE GALVANIZED STEEL CONDUIT TO BE SECURED WITH TWO OR MORE, THROUGH-THE-WALL BOLTS AND APPROVED MAST CLAMPS. (BOLTS SHALL NOT BE LOCATED INSIDE PANELBOARD)

4. GROUNDING ELECTRODE CONDUCTORS SHALL BE UNSPLICED AND HAVE 6" EXPOSED FOR THE INTERSYSTEM BONDING TERMINAL (4 POSITION, MINIMUM) FOR OTHER SYSTEMS. ELECTRICAL NON-METALLIC OR METALLIC CONDUIT SHALL BE USED FOR PROTECTION (IF METALLIC BOND BOTH ENDS SECTION 4.1 THRU 4.6) & (NEC 250.64E)

5. GROUNDING ELECTRODE SYSTEM (G.E.S.) SEE NOTE (5) ON DIAGRAM 3B.

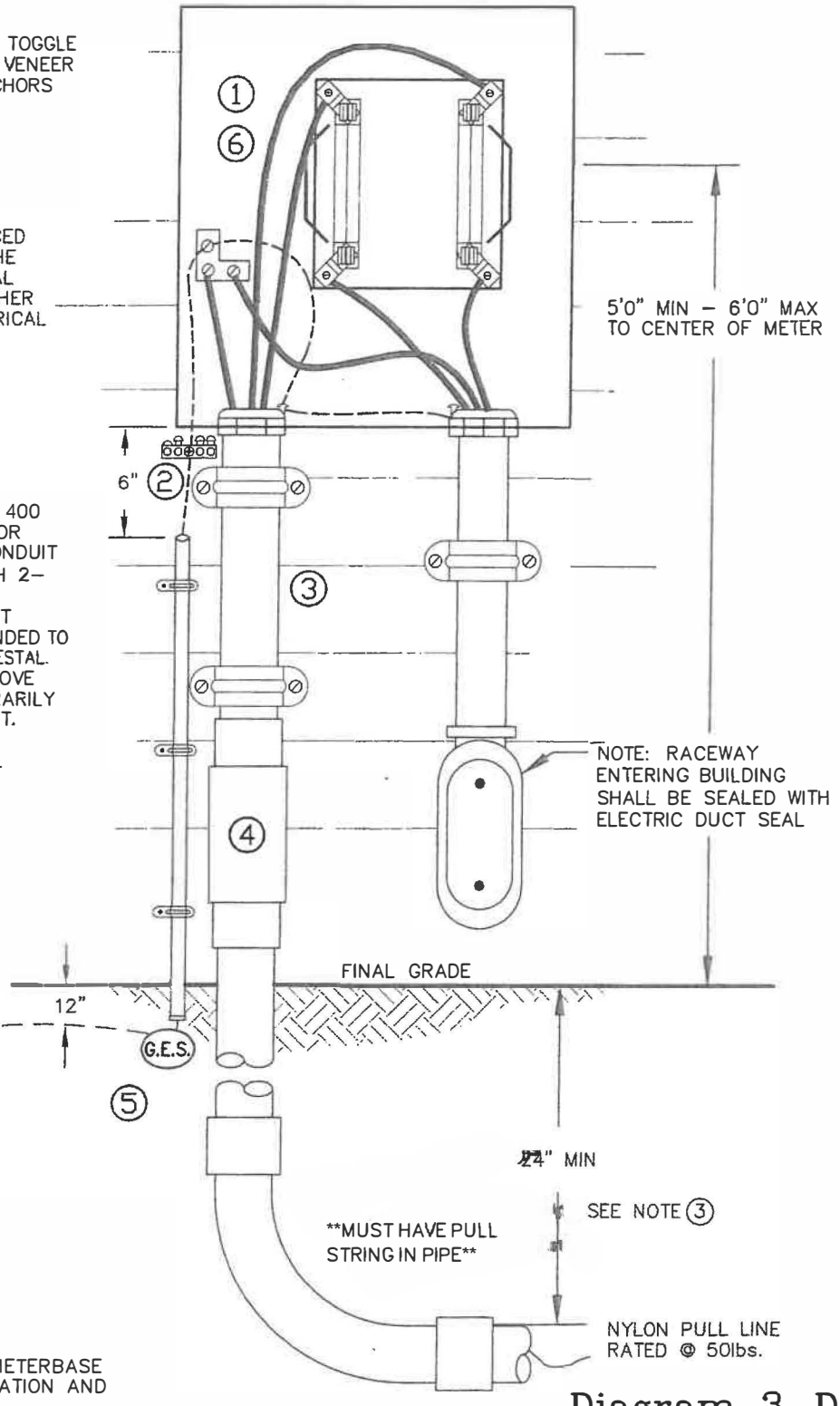
6. CONTACT LOCAL UTILITY FOR METERBASE AND RISER/WEATHERHEAD LOCATION AND TRANSFER SWITCH REQUIREMENT

Diagram 3-C

SERVICE – UNDERGROUND

200/400 AMP MAXIMUM

SEE SECTION 3-7, C-1(e)



(1)

METER BASE TO BE ATTACHED SECURLY. LEAD ANCHORS OR TOGGLE BOLTS TO BE USED ON BRICK VENEER OR EQUIVALENT. PLASTIC ANCHORS WILL NOT BE PERMITTED.

(2)

GROUNDING ELECTRODE CONDUCTOR SHALL BE UNSPLICED AND HAVE 6" EXPOSED FOR THE INTERSYSTEM BONDING TERMINAL (4 POSITION, MINIMUM) FOR OTHER SYSTEMS. (NEC 250.94) ELECTRICAL NON-METALLIC, OR METALLIC CONDUIT SHALL BE USED FOR PROTECTION. IF METALLIC CONDUIT, BOND BOTH ENDS (SEE SECTION 4-1 THRU 4-6)

(3)

3"pipe for 200 amp, 4" pipe for 400 amp (CONTACT LOCAL UTILITY FOR EXACT SIZE REQUIRED) RIGID CONDUIT (METAL OR PVC) ATTACHED WITH 2-TWO BOLT MAST CLAMPS
A CONTINUOUS RUN OF CONDUIT LIMITED TO 3-90° BENDS EXTENDED TO PREDETERMINED UTILITY POLE/PEDESTAL. EXTEND CONDUIT ONE FOOT ABOVE FINAL GRADE AT POLE. TEMPORARILY CAP OR CLOSE END OF CONDUIT.

ALL PVC SUBJECT TO PHYSICAL DAMAGE SHALL BE SCH. 80

(4)

GROUND MOVEMENT REQUIRES DIRECT BURIED CONDUCTORS TO HAVE "S" LOOP IN TRENCH AT CONDUIT TRANSITION. CONTINUOUS CONDUIT RUNS MUST HAVE EXPANSION FITTING.

6'-0" MIN.

ROD TYPE G.E.S. SHOWN (SEE DIAGRAM 4B)

(5)

SEE NOTE (5) ON DIAGRAM 3B FOR G.E.S.

(6)

CONTACT LOCAL UTILITY FOR METERBASE AND UNDERGROUND RISER LOCATION AND BY-PASS REQUIREMENTS.

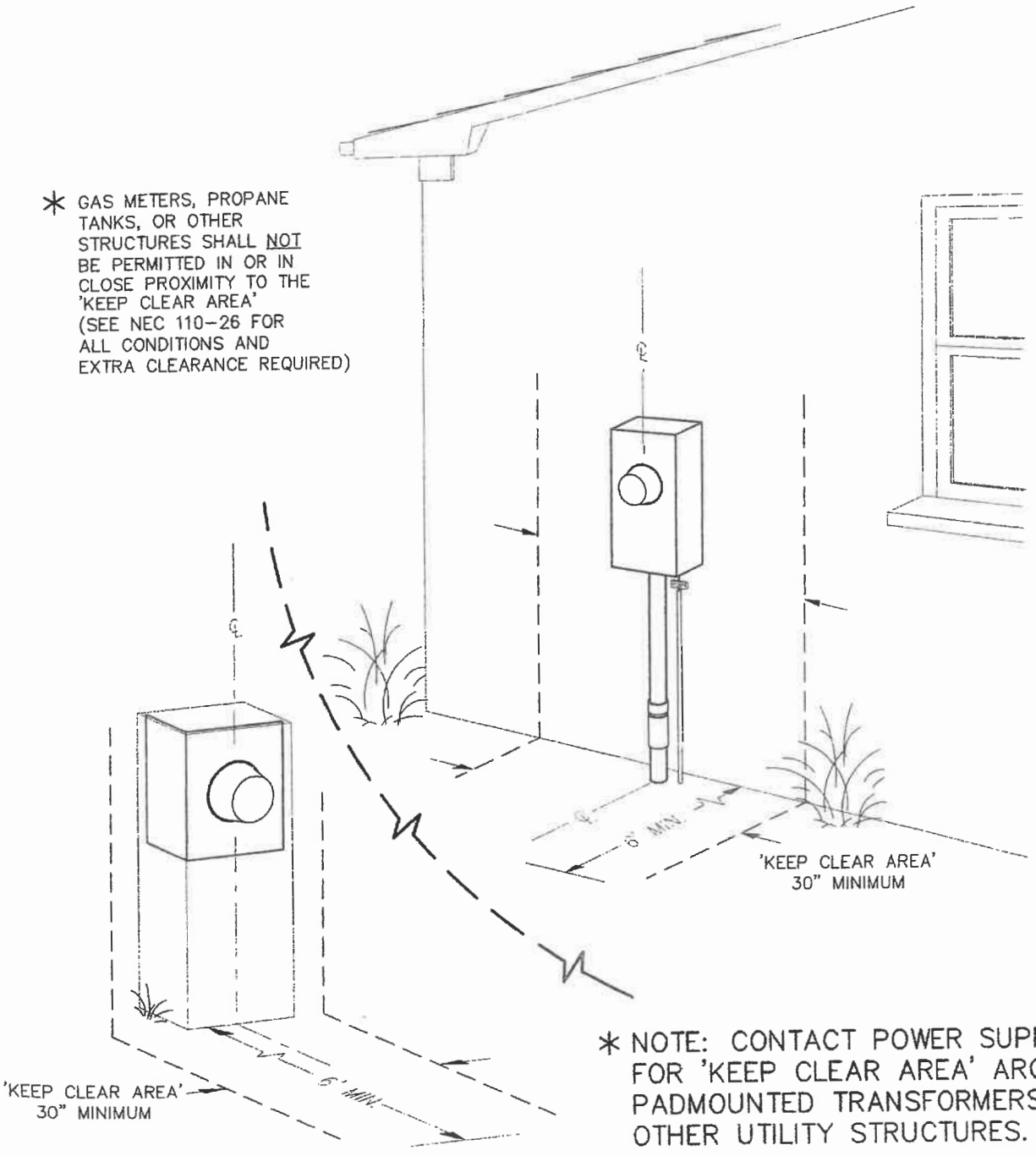
Diagram 3-D

ELECTIC METER – SERVICE ENTRANCE

WORKING SPACE - 'KEEP CLEAR AREA'

(CONTACT SERVING UTILITY FOR THEIR POLICY ON WORKING SPACE)

* GAS METERS, PROPANE TANKS, OR OTHER STRUCTURES SHALL NOT BE PERMITTED IN OR IN CLOSE PROXIMITY TO THE 'KEEP CLEAR AREA' (SEE NEC 110-26 FOR ALL CONDITIONS AND EXTRA CLEARANCE REQUIRED)



* NOTE: CONTACT POWER SUPPLIER FOR 'KEEP CLEAR AREA' AROUND PADMOUNTED TRANSFORMERS OR OTHER UTILITY STRUCTURES.

Diagram 3-E