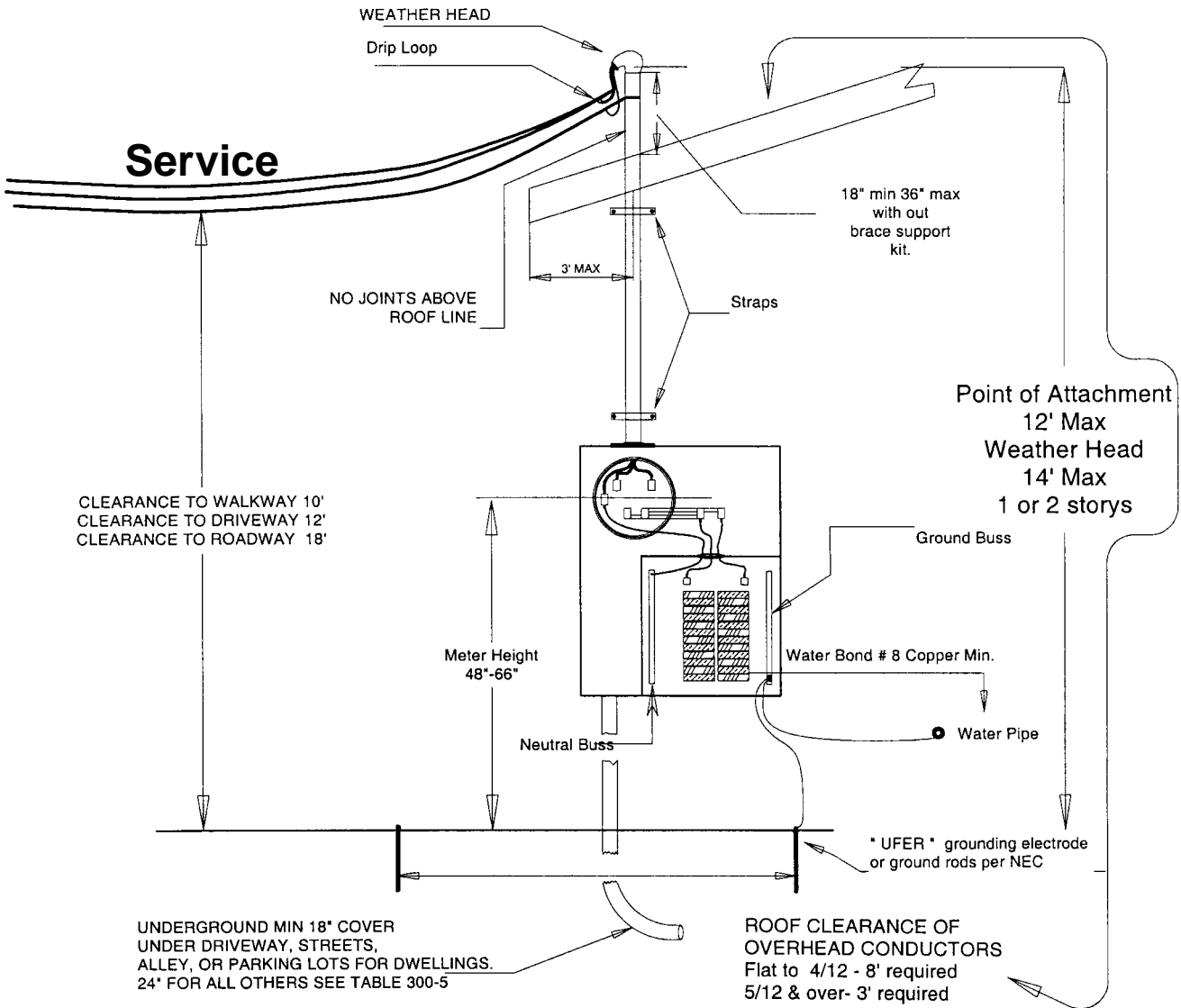


Typical Residential Electrical Service



- 1.) " Ufer " grounding electrode 20' of #4 copper wire or 1/2" re-bar encased in 2" of concrete at or near the bottom of the footing
IF " UFER" grounding electrode is not available:
- 2.) { 1 } -8' Copper ground rods 6' apart or tested for 25 ohms to ground
- 3.) 10' - 3/4 water pipe and 8' copper ground rod
- 4.) Other approved grounding systems see NEC 250-81
- 5.) Wires shall be listed for there use.

SERVICE ENTRY CONDUCTORS SINGLE FAMILY DWELLING								
INSULATION TYPES-RH-RHH-RHW-THHW-THW-THHN-XHHW-USE								
Copper	conduit size	* Alum	conduit size	AMP RATING	Copper	conduit size	* Alum.	conduit size
#4	1-1/4"	#2	1-1/4"	100	#8	1/2"	#6	1/2"
#3		#1		110	#8			
#2		#1/0	1-1/2"	125	#8			
#1		#2/0		150	#6			
#2/0	1-1/2"	#4/0	2"	200	#4	#1/0	3/4"	

* Deoxidizer Required

Ground Conductor Size

THIS SHEET IS FOR REFERENCE ONLY AND OTHER REQUIREMENTS MAY APPLY.