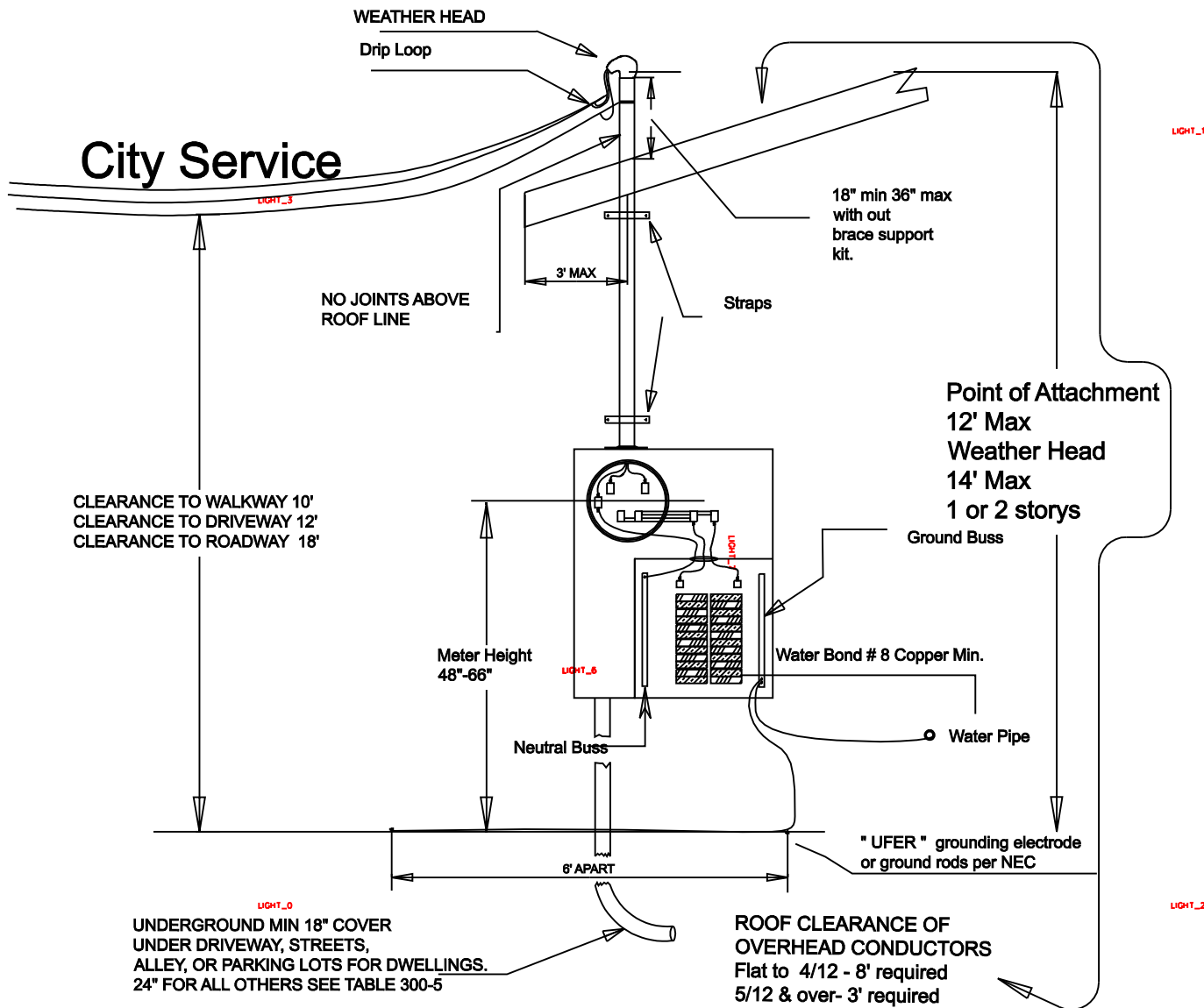


# Typical Residential Electrical Service

CALL ELECTRICAL DEPARTMENT FOR PLACEMENT OF NEW SERVICE  
( 805 ) 875-8265



- 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.) 2 -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-THNN-XHHW-USE								
Copper	conduit size	*Alum	conduit size	AMP RATING	Copper	conduit size	*Alum.	
#4	1-1/4"	#2	1-1/4"	100	#8	1/2"	#6	
#3		#1		110	#8		1/2"	#4
#2		#1/0		125	#8			#4
#1		#2/0		150	#6			#2
#2/0	1-1/2"	#4/0	2"	200	#4		#1/0	
* Deoxidizer Required								
Ground Conductor Size								

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