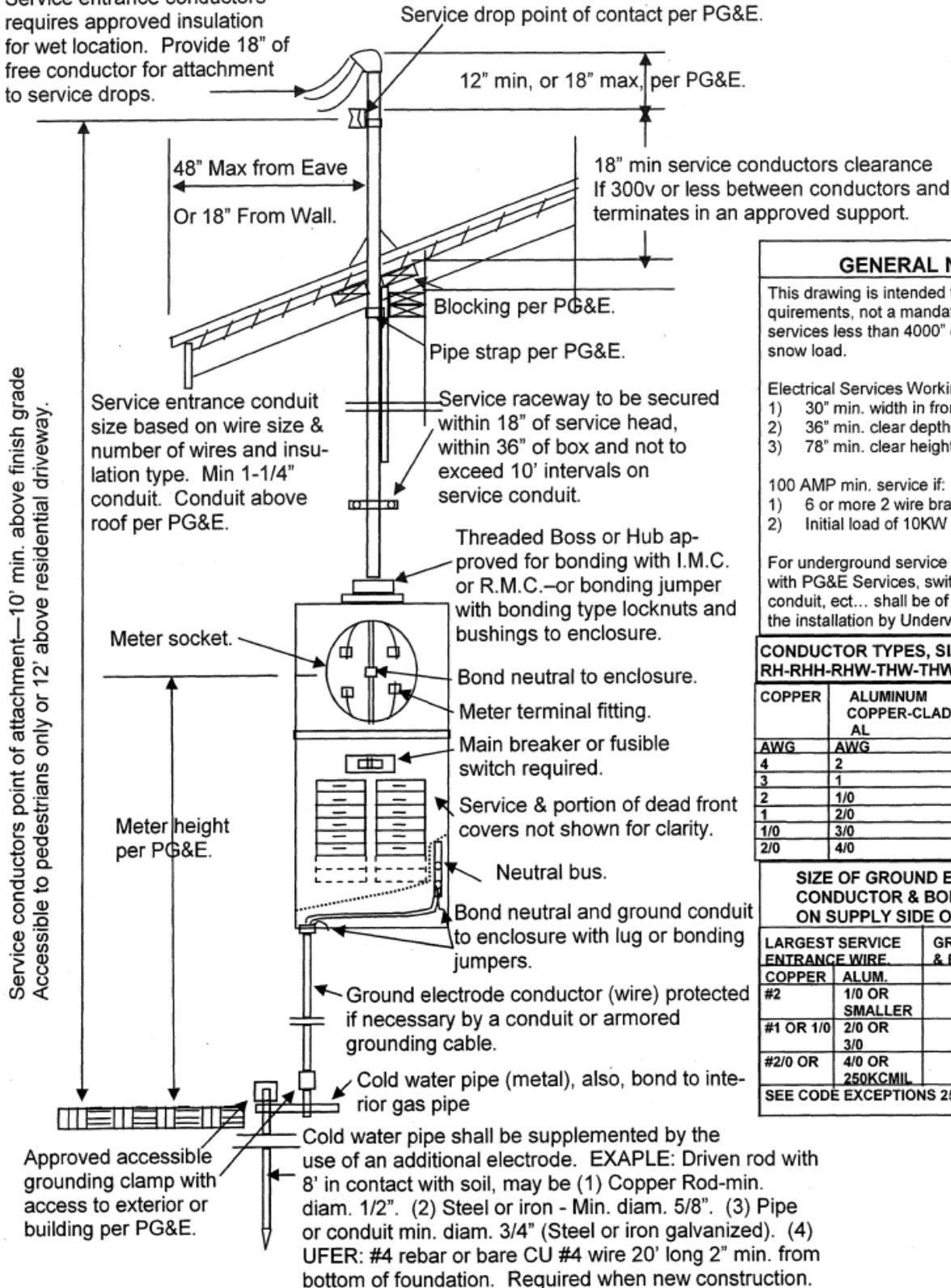




SINGLE FAMILY RESIDENTIAL ELECTRICAL SERVICE

Service entrance conductors requires approved insulation for wet location. Provide 18" of free conductor for attachment to service drops.



GENERAL NOTES

This drawing is intended to illustrate the requirements, not a mandatory arrangement for services less than 4000' elev. & no heavy snow load.

Electrical Services Working Clearance

- 1) 30" min. width in front.
- 2) 36" min. clear depth in front.
- 3) 78" min. clear height.

100 AMP min. service if:

- 1) 6 or more 2 wire branch circuits or
- 2) Initial load of 10KW or more

For underground service requirements consult with PG&E Services, switches, panel boards, conduit, ect... shall be of a type approved for the installation by Underwriter Laboratory.

CONDUCTOR TYPES, SIZES & CONDUIT RH-RHH-RHW-THW-THWN-THHN-XHHW

COPPER	ALUMINUM COPPER-CLAD AL	SERVICES RATING IN AMP	CONDUIT SIZE, 3 COND.
AWG	AWG		THW
4	2	100	1 1/4" MIN
3	1	110	1 1/4"
2	1/0	125	1 1/4"
1	2/0	150	1 1/4"
1/0	3/0	175	1 1/2"
2/0	4/0	200	2"

SIZE OF GROUND ELECTRODE CONDUCTOR & BONDING CONDUCTOR ON SUPPLY SIDE OF SERVICE

LARGEST SERVICE ENTRANCE WIRE.		GROUNDING ELECTRODE & BONDING CONDUCTOR
COPPER	ALUM. -COPPER-	
#2	1/0 OR SMALLER	#8
#1 OR 1/0	2/0 OR 3/0	#6
#2/0 OR	4/0 OR 250KCMIL	#4

SEE CODE EXCEPTIONS 250-94