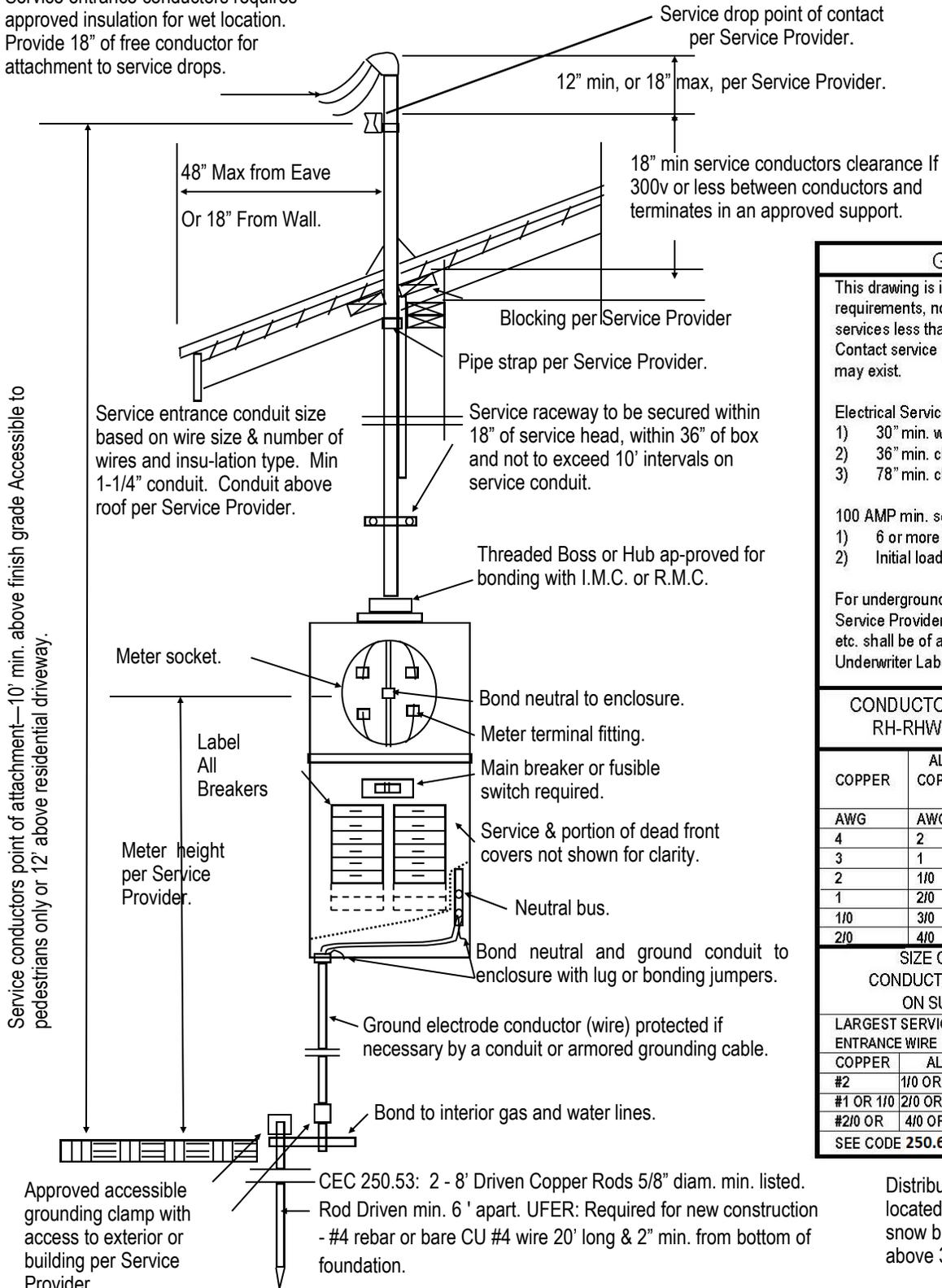


2019 CALIFORNIA BUILDING STANDARDS CODE OF REGULATIONS TITLE 24

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. Contact service provider where heavy snow loads may exist.

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 Service Provider, switches, panel boards, conduit, etc. shall be of a type approved for the installation by Underwriter Laboratory.

**CONDUCTOR TYPES, SIZES & CONDUIT
RH-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 1/2" MIN
3	1	110	1 1/2" MIN
2	1/0	125	1 1/2" MIN
1	2/0	150	1 1/2" MIN
1/0	3/0	175	1 1/2" MIN
2/0	4/0	200	2" MIN

**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 250 KC MIL	#4

SEE CODE 250.66 (B)

Distribution breakers to be located in area protected from snow build-up in locations above 3,500 ft. elev.