

Storey County Community Development

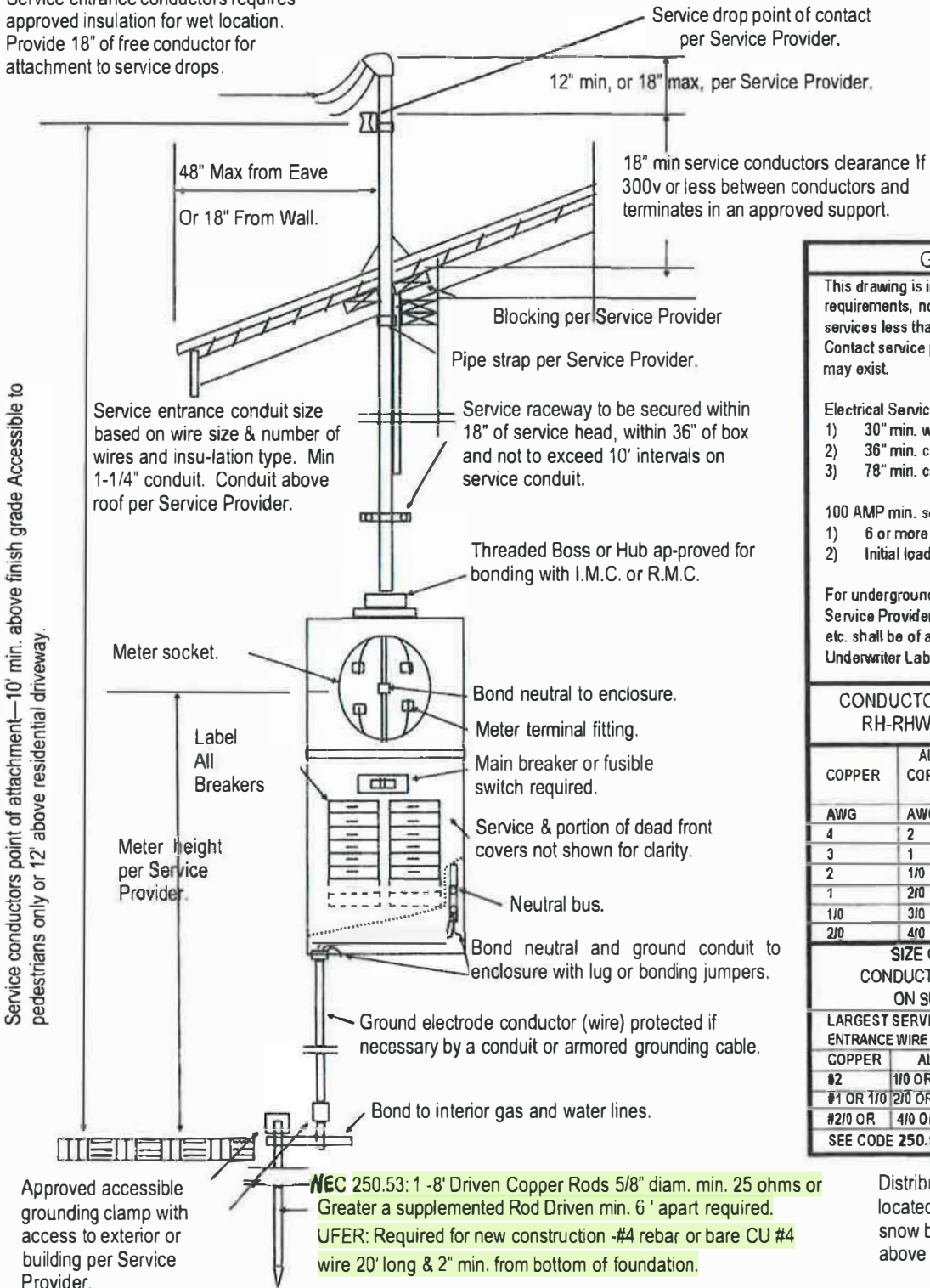
110 Toll Road ~ Gold Hill Divide
P O Box 526 ~ Virginia City NV 89440



(775) 847-0966
Building@storeycounty.org

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. THW
4	2	100	1 1/4" 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 250.56 (B)

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