

# KNOB AND TUBE

## SURVEY REPORT

### CUSTOMER INFORMATION

HOMEOWNER NAME	PHONE (with area code)
SERVICE ADDRESS	CITY / STATE / ZIP CODE

1. CONDITION OF CONDUCTOR(S) ADEQUATE?  Yes  No If No, explain required corrections:

2. ANY IMPROPER CONNECTIONS?  Yes  No If Yes, explain required corrections:

3. CIRCUITS PRESENTLY OVERLOADED?  Yes  No If Yes, explain required corrections:

All circuits in areas to be insulated must be protected with the appropriate size breakers or S-type fuses. Identify below the panel location of circuits in the area(s) to be weatherized, the method used, the amperage, and wire size:

Circuit #	Breaker or S-Type fuse?	Amps.	Wire Gauge

Circuit #	Breaker or S-Type fuse?	Amps.	Wire Gauge

**Areas Approved For Insulating** *(Initials ONLY. Check marks are unacceptable)*

**WALLS** \_\_\_\_\_ **CEILINGS** \_\_\_\_\_ **FLOORS** \_\_\_\_\_ **ALL AREAS** \_\_\_\_\_

LICENSED ELECTRICAL CONTRACTING FIRM: \_\_\_\_\_

FIRM'S ADDRESS: \_\_\_\_\_ PHONE: \_\_\_\_\_

LICENSE #: \_\_\_\_\_ BONDING CO.: \_\_\_\_\_

I personally surveyed the above home's wiring on \_\_\_\_\_ (date) and certify that all circuits are sized in accordance with the 60° column of Table 310.15(B)(16) of the current NEC.

Name of Journeyman Electrician \_\_\_\_\_ (Signature of Journeyman Electrician)

If repairs, alterations or extensions of or to the electrical system are made, they shall be inspected by an electrical inspector as defined in RCW 19.28.070 (a copy of the electrical inspector's report shall be submitted with this Knob and Tube Survey Report).

**Table 310.15(B)(16)** (formerly Table 310.16)

Allowable Ampacities of Insulated Conductors Rated Up To and Including 2000 Volts, 60°C Through 90°C (140°F Through 194°F), Not More Than Three Current-Carrying Conductors in Raceway, Cable, or Earth (Directly Buried), Based on Ambient temperature of 30°C (86°F)\*

**Temperature Rating of Conductor [See Table 310.104(A)]**

Size: AWG or kcmil	60°C (140°F)	75°C (167°F)	90°C (194°F)	60°C (140°F)	75°C (167°F)	90°C (194°F)	Size: AWG or kcmil
	Types TW, UF	Types RHW, THHW, THW, THWN, XHHW, USE, ZW	Types TBS, SA, SIS, FEP, FEPB, MI, RHH, RHW-2, THHN, THHW, THW-2, THWN-2, USE-2, XHH, XHHW, XHHW-2, ZW-2	Types TW, UF	Types RHW, THHW, THW, THWN, XHHW, USE	Types TBS, SA, SIS, THHN, THHW, THW-2, THWN-2, RHH, RHW-2, USE-2, XHH, XHHW, XHHW-2, ZW-2	
18	—	—	14	—	—	—	—
16	—	—	18	—	—	—	—
14**	15	20	25	—	—	—	—
12**	20	25	30	15	20	25	12**
10**	30	35	40	25	30	35	10**
8	40	50	55	35	40	45	8
6	55	65	75	40	50	55	6
4	70	85	95	55	65	75	4
3	85	100	115	65	75	85	3
2	95	115	130	75	90	100	2
1	110	130	145	85	100	115	1
1/0	125	150	170	100	120	135	1/0
2/0	145	175	195	115	135	150	2/0
3/0	165	200	225	130	155	175	3/0
4/0	195	230	260	150	180	205	4/0
250	215	255	290	170	205	230	250
300	240	285	320	195	230	260	300
350	260	310	350	210	250	280	350
400	280	335	380	225	270	305	400
500	320	380	430	260	310	350	500
600	350	420	475	285	340	385	600
700	385	460	520	315	375	425	700
750	400	475	535	320	385	435	750
800	410	490	555	330	395	445	800
900	435	520	585	355	425	480	900
1000	455	545	615	375	445	500	1000
1250	495	590	665	405	485	545	1250
1500	525	625	705	435	520	585	1500
1750	545	650	735	455	545	615	1750
2000	555	665	750	470	560	630	2000

\*Refer to 310.15(B)(2) for the ampacity correction factors where the ambient temperature is other than 30°C (86°F).

\*\*Refer to 240.4(D) for conductor overcurrent protection limitations.