



RESIDENTIAL-SERVICE 0-300 VOLTS, BASED ON N.E.C. TABLE						
AMP RATING OF SERVICE	SIZE OF SERVICE ENTRANCE WIRE-THW		STEEL RIGID GALV. CONDUIT SIZE		GROUNDING ELECTRODE CONDUCTOR	
	COPPER	ALUMINUM	COPPER CONDUCTOR	ALUMINUM CONDUCTOR	COPPER	ALUMINUM
100*	#4	#2	1 1/4"	1 1/4"	#8	#6
125	#2	#1/0	1 1/4"	1 1/2"	#8	#6
150	#1	#2/0	1 1/4"	1 1/2"	#6	#6
175	#1/0	#3/0	1 1/4"	1 1/2"	#4	#4
200	#2/0	#4/0	1 1/2"	2"	#4	#2

* 100 AMP IS MINIMUM SERVICE FOR A RESIDENCE

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Kern County Public Works
Building & Code
Building Inspection Division
2700 M Street, Suite 100
Bakersfield, CA. 93301 (661) 862-8650

RESIDENTIAL SERVICE
ELECTRICAL DETAIL

2019
CEC
1/1/20