Electrical System Safety Assessment Checklist for Licensed Electrical Contractors

Electrical System Safety Assessments are completed independently by Licensed Electrical Contractor (LECs). This resource is for LEC use and for information purposes. This is not an exhaustive summary of the requirements of the Code or of what is necessary to assess electrical safety at any particular location.

Name: _____ City: _____

Address: _____ Date: _____

_____ Wire Type: Copper ☐
Knob & Tube ☐
Aluminum ☐

Item #	1) Service: Service Entrance/ Distribution Equipment/Grounding	Yes	No	N/A
1	Accessible/not In undesirable location			
2	Panel directory complete			
3	Fuse rejectors installed where required			
4	No signs of moisture/condensation in service equipment			
5	No missing panel fillers/covers			
6	Service Equipment is properly supported/free of damage and corrosion			
7	Two pole overcurrent device for multiwire branch circuits (where required)			
8	Grounding conductor connected to identified conductor			
9	Grounding conductor free of splice/ free of damage and corrosion			
10	Neutral bonding correct (jumper installed where required, removed where not required)			
11	Water system and gas (where applicable) bonded			
12	All cable/conduits bonded in acceptable manner			
13	Grounding conductor connected to electrode with approved connectors			
14	Service sized to serve load			
15	Load does not exceed conductors/breakers/panels			
16	Service head intact/in desirable location			
17	Insulator properly installed/supported			
18	Conductors insulated where required/clear of structures			

Comments:

Item #	2) Exterior	Yes	No	N/A
19	Arc producing equipment has proper clearance from gas relief			
20	All equipment/raceways/cables suitable for environment/purpose			
21	Overhead conductors have sufficient clearance from grade			
22	Devices exposed to weather have proper covers			
23	Exterior receptacles GFCI Protected within 2.5m of grade			

Comments:

Item #	3) Wiring System: Feeders/Branch Wiring/Devices/Fixtures/Appliances/Utilization Equipment	Yes	No	N/A
24	No devices damaged/deteriorated/painted over/overheated			
25	No covers damaged/missing/unused openings in boxes			
26	No thermal insulation in box			
27	Devices mounted in boxes			
28	Proper devices/rating (i.e. CO/ALR for aluminum, 20 amp on 20 amp circuit)			
29	All conductors/cables are properly terminated/treated/secure			
30	Boxes properly secured/sized/installed/bonded			
31	Cables/raceways/conductors properly terminated/secure/bonded/approved/installed			
32	No conductors damaged/overheated/brittle			
33	Grounding type receptacles bonded or GFCI protected			
34	Device/fixture wired with correct polarity			
35	GFCI receptacles installed within 1.5m of bathroom sinks			
36	GFCI functions properly and de-energizes proper equipment			
37	AFCI functions properly and de-energizes proper equipment (if present)			
38	Receptacles are not badly worn (tester does not fall out of outlet)			
39	Overcurrent does not exceed equipment rating			
40	Equipment approved and proper location			
41	Ceiling fan appears to be secure			
42	No equipment damaged/deteriorated			
43	T-Bar Ceiling Inspected			

Comments:

Item #	4) Pools/Spas/Hot Tubs/Hydromassage tubs	Yes	No	N/A
44	Luminaries and other equipment GFCI protected, where required			
45	Spas/tubs protected by GFCI			
46	All conductors are properly terminated/treated/secure/rated			
47	Boxes properly secured/sized/installed/bonded			
48	Cables/raceways properly terminated/secure/bonded			
49	No conductors damaged/overheated/brittle			
50	No receptacles within 1.5m of pool			
51	Receptacles GFCI protected within 1.5m and 3m			
52	GFCI not located within 3m of pool, spa or hot tub or 1.5m of hydromassage tub, unless barriered			
53	Proper clearance of conductors over pool (customer owned only)			

Comments: