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:					
		Wire Type:				
em #	1) Service: Service Entrance/ Dis	stribution Equipment/G	Frounding	Yes	No	N/A
1	Accessible/not In undesirable locat	tion				
2	Panel directory complete					
3	Fuse rejectors installed where requ	uired				
4	No signs of moisture/condensation	in service equipment				
5	No missing panel fillers/covers					
6	<u> </u>					
7	Two pole overcurrent device for mu	ultiwire branch circuits (v	vhere required)			
8	Grounding conductor connected to	identified conductor				
9	Grounding conductor free of splice	/ free of damage and co	rrosion			
10	Neutral bonding correct (jumper ins	stalled where required, r	emoved where not required)			
11	Water system and gas (where app	licable) bonded				
12	All cable/conduits bonded in accep	table 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 loc					
17	Insulator properly installed/support	ed				
18	Conductors insulated where require	ed/clear of structures				
		Comments				
					_	
	2) Exterior			Yes	No	N/A
19	Arc producing equipment has prop				igspace	
20	All equipment/raceways/cables sui	•	•		lacksquare	
21	Overhead conductors have sufficie				igspace	
22	Devices exposed to weather have				igspace	
23	Exterior receptacles GFCI Protecte				<u> </u>	
		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:			
	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:			