

# ELECTRICAL

## DESCRIPTION

<b>2.1/2/3 Service Entrance Cable:</b> <input type="checkbox"/> Copper <input checked="" type="checkbox"/> Overhead <input checked="" type="checkbox"/> Aluminum <input type="checkbox"/> Underground <input type="checkbox"/> Not Visible	<b>2.7 System Grounding</b> <input checked="" type="checkbox"/> Water Pipe <input checked="" type="checkbox"/> Copper <input type="checkbox"/> Ground Rods <input type="checkbox"/> Aluminum <input type="checkbox"/> Ufer/Other <input type="checkbox"/> Not Visible	<b>4.0 Distribution Wire:</b> <input type="checkbox"/> Metallic Sheathed <input checked="" type="checkbox"/> Non-metallic Sheathed <input checked="" type="checkbox"/> Copper <input type="checkbox"/> Aluminum <input type="checkbox"/> Aluminum to Major Appliances <input type="checkbox"/> Knob-and-Tube Copper <input type="checkbox"/> Copper Clad Aluminum	<b>5.3 Arc/Ground Fault Circuit Interrupter:</b> <input type="checkbox"/> Panel <input type="checkbox"/> Outside <input checked="" type="checkbox"/> Bathrooms <input type="checkbox"/> Garage <input type="checkbox"/> Whirlpool <input checked="" type="checkbox"/> Kitchen <input type="checkbox"/> Basement <input type="checkbox"/> Other _____ <input type="checkbox"/> None
<b>2.4/5 Service Size:</b> 200/___/___ Amps (240Volts)	<b>3.0 Distribution Panel</b> Rating 200/ 25/___ Amps <input type="checkbox"/> Fuses <input checked="" type="checkbox"/> Breakers	<b>5.2 Outlets:</b> <input checked="" type="checkbox"/> Grounded <input type="checkbox"/> Ungrounded <b>Number:</b> <input type="checkbox"/> Minimal <input checked="" type="checkbox"/> Typical <input type="checkbox"/> Upgraded	
<b>2.6 Main Disconnect/Service Box:</b> Rating 200 / 60 Amps <input type="checkbox"/> Fuses <input checked="" type="checkbox"/> Breakers Location: <u>Pool room</u>	<b>3.2 Auxiliary Panel(s)</b> <input type="checkbox"/> Fuses <input checked="" type="checkbox"/> Breakers Location(s): <u>Storage Room</u>		

## IMPROVEMENT RECOMMENDATIONS NONE AT PRESENT

Reference	Limitations	Task	Location	Time
	<b>Power Off:</b> <input type="checkbox"/> Throughout <input type="checkbox"/> In Some Areas <input type="checkbox"/> Restricted/No Access To _____ <input type="checkbox"/> System Ground Not Visible/Accessible <input type="checkbox"/> Fuse Block(s) Not Pulled <input checked="" type="checkbox"/> Concealed Electrical Components Not Inspected <input type="checkbox"/> Main Disconnect Cover Not Removed <input checked="" type="checkbox"/> Asbestos may be present in many building products and materials. Environmental Consultants can assist if this is a concern.			
2.1/2/3	SERVICE Entrance - damage, clearance, seal at wall/meter, height, loose - drip loop, frayed, exposed neutral			
2.4/5	Larger Service - if lifestyle requires it			
2.6	Service Box - undersized, corrosion, overheated, damage			
2.7	SYSTEM GROUNDING - ineffective, meter bypass, spliced, clamp, electrode(s)			
3.1	SERVICE PANEL - damage, loose, obsolete, rust, double-taps, crowded, location			
3.1	Panel Overcurrent Protection (undersized panel)			
3.2	Auxiliary or Larger Panel - doubled-taps, feed wire, crowded, grounding <u>ground/neutral joined</u> , miswired	R	B	O D
3.3/1.11	Fuses / Breakers - damage, loose, overfused, 15 amp for branch circuits, fuse block			
3.4/5	240 Volt Circuits/Linking			
3.6	Panel Wires - damage, overheated, loose			
3.7/8	Panel (Dead Front) Cover Plate / Unprotected Panel Openings - covers, fuses			
3.9/11	Abandoned Wire in Panel / Connections in Panel			
3.10	Access to Panel			
4.1	BRANCH CIRCUIT WIRING - damage, loose, exposed, support, strain relief ducts/piping, undersized, extension cord, abandoned, exterior wiring			
4.2	Overloaded Circuits - more branch circuits			
4.3	Dedicated Circuits - furnace, fridge, water heater, range, dryer, A/C			
4.4	Knob-and-Tube - connections, damaged, brittle, suspect, replace when renovating			
4.5	Aluminum - special connectors, overheating, outlets, panel, loose, antioxidant			
5.1	Lights / Ceiling Fans - inoperative, pot lights, damage, loose, exposed wires/bulbs			
5.2	Outlets - number, loose, damage, inoperative, miswired, worn, overheating			
5.2.2	Ungrounded Outlets - 3-prong, fill ground slot, GFCI			
5.2.3	Split Receptacles - link			
5.2.4	Reversed Polarity Outlets			
5.3	Arc/Ground Fault Circuit Interrupters - test faulty, inoperative, desirable			
5.4	Switches - damage, loose, obsolete, inoperative, location			
5.5	Junction Boxes - missing, loose, exposed wires, crowded			
5.6	Cover Plates - damage, outlets, switches, boxes			

## COMMENTS

See Supplementary Section     Inappropriate Materials or Installation  
 All recommendations are safety issues - Treat them as high priority