

## Electrical

**Service Main:** Location Right of building Type: Underground

- Do not look or feel securely fastened  Do not look or feel securely fastened
- Overhead wires  trees or other branches. Have a tree surgeon with the electrical company correct the situation before damage occurs and for safety
- Service entrance wires and drop wires do not appear to be the same size, possible safety hazard
- Connections for the service entrance wires to drop wires looks loose or frayed, possible safety hazard
- Service entrance wires can be reached or touched by a person, an unsafe condition

**Drop wires:** Enclosed in a conduit 4" inside diameter

**1** **Main Service Cable:** Apparent size Unknown Amps Voltage: combined 110/120 and 220/240 Type Aluminium

As observed:  Inside panel box  by placing a gauge on exposed entrance cable where:  Interior  Exterior

**2** **Meter:** Rated 240 Volts 200 Class 3 Wires

Location: Right of building Meter box appears to be 200 Amp service Meter box  appears secure

**3** **Main Panel Box:** Rated 200 Amps

Location: Front hallway Main panel box appears secure? Yes

Circuit breakers  Fuses  Unable to open box because

110-120 volt circuits 4 15A 10 20A  30A

220-240 volt circuits 1 15A  20A 1 30A 1 40A  50A  60A  70A  100A

Branch wiring appears to be  Single strand Aluminum which should be evaluated further by an electrician

Copper  Multi-strand Aluminum

Cable type:  Metal sheathed (BX)  Non Metal sheathed (Romex)  Knob-and-tube  not determined

Deficiencies:  More than one wire attached to a circuit breaker (double tapped), have an electrician repair for safety

One or more wires appears to be undersized for the circuit breaker

**Grounding:**  Metal on water main on  of water meter

There  a jumper ground cable around the water meter for safety. Ground connection feel .

Interior ground rod  Exterior ground rod  Unable to determine, have an electrician evaluate further.

**4** **Main Disconnect:** Rated Unknown Amps

Location:  Main Panel Box  Near meter  Type: Unable To Determine - Label Is Worn And Faded. Consult With

Condominium Association

Conclusion:  1 Main Service Cable,  2 Meter  3 Main Panel Box rating, and the  4 Main Disconnect appears compatible?

Not sure

**RECOMMEND:**  For safety, have an electrician evaluate entire system and make any need repairs or upgrade

Have the electric company evaluate further and correct as needed

**Sub Panel:** None noted Rated  Amps Location:  Appears secure?  Appears Grounded?

Circuit breaker  Fuses  Unable to open box because

110-120 volt circuits  15A  20A  30A

220-240 volt circuits  15A  20A  30A  40A  50A  60A  70A  100A

Branch wiring appears to be  Single strand aluminum which should be evaluated further by an electrician

Copper  Multi-strand Aluminum

Cable type:  Metal sheathed (BX)  Non Metal sheathed (Romex)  Knob-and-tube  not determined

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One or more wires appears to be undersized for the circuit breaker

**5** **Outlets, switches and lighting:** Observed outlets with  2 slots (older and possible ungrounded)  3 slots

Random testing of outlets, switches and lighting and found the following:

Ungrounded outlets  Open ground  Open neutral  Hot/ground reverse  Missing covers  Broken/chipped plugs

Loose connections  Loose Boxes  Loose receptacles  Light(s) did not light  Missing or broken bulbs

Missing bulb globes  Flickering lights  Switches for which use was not determined

Non watertight fixtures noted on exterior of home  Loose, hanging wires and/or other dangerous conditions

**Additional Comments:**

**RECOMMEND:**  Have an electrician evaluate entire electrical system and repair as needed

For safety, have an electrician inspect annually and repair as needed

