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JUNEAU PERMIT CENTER, 4TH FLOOR MARINE VIEW CENTER

# **ELECTRICAL FAQ's**

## **2014 NEC**

Temp/Const. Power	See existing handout. Not closer than one foot to any building -- Title 19.08.590.8(A)(3)
Permanent Power place "Yellow Tag" service complete.	Not until rough in complete, all outlets and light boxes in and conductors terminated, panels and
Service	Working clearances: Level area 30" wide by 36" deep – meter socket height: AEL&P likes the jaws between 5' - 7' from finished grade. In no case shall the highest point of the main circuit breaker exceed 6'7".
Panel	Locations - not in bathrooms, on stairwells or closets and where there are not proper working clearances - level area, 30" wide and 36" deep - NEC 110.26.
Receptacle Placement	Kitchen (every counter-top, measuring 12" or greater and one every 48"; not face up), outside - one in front and at the rear of house. Attached or detached garages with power - one required (at least 18" above floor level, if boiler or spark producing equipment present), rest of the dwelling (one every wall section 2' or longer and no more than 12' apart or no point along the wall can be more than 6' from a receptacle), the required lavatory/ bath outlet cannot have any other devices on that circuit. NEC.210.52
AFCI	All 120-volt, single phase, 15 & 20-amp branch circuits supplying outlets in dwelling unit family rooms, dining rooms, living rooms, parlors, libraries, dens bedrooms, sunrooms, recreation rooms, closets, hallways, kitchens, laundry rooms, or similar room areas shall be protected by a listed arc-fault circuit interrupter, combination type, installed to provide protection of the branch circuit.
GFCI	15-20A kitchen counter spaces, baths, outside grade level, all garage receptacles, laundry, dishwasher and Jacuzzis – NEC210.8
Wire Size	#12-20A and #14A copper minimum (#12 Aluminum <b>not</b> allowed) #10 Cu – 30A -- #8 Cu – 40A -- Title 19 NEC310

Smoke Detectors	Existing handout from IBC 907.2, IRC R314 as amended by CBJ Title 19.
Light & Switch Requirements	At least one wall switch - controlled lighting outlet (ceiling fixture or wall receptacle), in every habitable room and at each exit door.
Closet Lighting	Existing handout – IRC E3903.11 and NEC 410.8.
Required Circuits	Clothes washer; two kitchen small appliance; (exhaust fans cannot be connected to the two small appliance countertop circuits, dishwasher, garbage disposal when installed, is to be on separate circuit) -NEC 210.52; Title 19.
Heating Required	Each habitable room, living, sleeping, eating and cooking (Monitor and similar heaters are room heaters are not central heaters) -- IRC R303.9
General Romex Restrictions	NM/B shall not be installed (Title 19) when temp is 20 degrees Fahrenheit, the outer insulation becomes brittle. Protect all conductors less than 1 1/4" from the edge of framing with nail plates -- NEC 300.4.
Other Systems	Speaker wire, telephone, cable TV or any Class II or III circuits not inspected by CBJ.

**These FAQ's are simply answers to common questions and are not meant to replace a working knowledge of the National Electrical Code.**

**CALL 586-0770 FOR FURTHER INFORMATION AND CLARIFICATION**