

CONTRACTORS NEWSFLASH

2020 National Electrical Code Changes

December 5, 2023

CONTRACTOR'S, PLEASE TAKE NOTICE OF IMPORTANT ELECTRICAL CODE CHANGES IN EFFECT DECEMBER 31, 2023. PLEASE NOTE THE ITEMS BELOW MARKED PLAN REVIEW. CONSTRUCTION PLANS SUBMITTED WITH APPLICATIONS FOR BUILDING PERMIT ON OR AFTER DECEMBER 31, 2023, WILL NEED TO BE UPDATED TO REFLECT THESE NEW CODE PROVISIONS.

THIS INFORMATION IS PROVIDED AS A COURTESY IN PREPARATION FOR THE COMING CODE CHANGE BUT SHOULD NOT BE CONSTRUED TO BE AN ALL-INCLUSIVE LIST OF POSSIBLE PLAN REVIEW AND / OR INSPECTION ITEMS.

- ARTICLE 210.8 - GFCI PROTECTION FOR **ALL** 125-VOLT THROUGH 250-VOLT RECEPTACLES. THIS CHANGE EFFECTIVELY REQUIRES GFCI PROTECTION FOR WASHING MACHINES, DRYERS, RANGES AND STOVES AND OTHER APPLIANCES IN DWELLINGS. THIS IS A PLAN REVIEW ITEM AND SHOULD BE SHOWN ON PLANS.
- ARTICLE 210.52 (C) (3) - REQUIRED KITCHEN RECEPTACLES NOT MORE THAN 20 INCHES ABOVE COUNTER TOPS; LISTED RECEPTACLES REQUIRED FOR COUNTERTOP INSTALLATION, RECEPTACLES NOT MORE THAN 12 INCHES BELOW COUNTER TOPS AND NOT ALLOWED BELOW COUNTER TOPS THAT EXTEND MORE 6 INCHES BEYOND ITS SUPPORT BASE.
- ARTICLE 210.63 - LOCATION OF EQUIPMENT SERVICE OUTLET. NEW SECTION REQUIRING EQUIPMENT SERVICE OUTLETS TO BE ON THE **SAME LEVEL** AS THE EQUIPMENT SERVED. THIS IS A PLAN REVIEW ITEM AND SHOULD BE SHOWN ON PLANS.
- ARTICLE 210.70 (A) (1) - LOCATION OF WALL MOUNTED CONTROL DEVICES (GENERALLY MEANS LIGHT SWITCHES) ARE REQUIRED IN CLOSE PROXIMITY TO ENTRANCES TO HABITABLE ROOMS, KITCHENS AND BATHROOMS. THIS MEANS ROOMS WITH MULTIPLE ENTRANCES REQUIRE MULTIPLE SWITCHES SO LIGHTING CAN BE CONTROLLED FROM ALL ENTRANCES. THIS IS A PLAN REVIEW ITEM AND SHOULD BE SHOWN ON PLANS.

- ARTICLE 230.67 - ALL SERVICES INCLUDING REPLACED SERVICES REQUIRE TYPE 1 OR TYPE 2 SURGE PROTECTORS. THIS IS A PLAN REVIEW ITEM AND SHOULD BE SHOWN ON PLANS.
- ARTICLE 230.85 - EMERGENCY SERVICE DISCONNECT NOW REQUIRED ON EXTERIOR OF HOME AND IDENTIFIED BY LABEL. THIS CHANGE ELIMINATES SERVICE DISCONNECTING MEANS INSIDE BUILDING INCLUDING BACK-TO-BACK INSTALLATIONS. ALSO REQUIRED ON SERVICE CHANGE OUT. THIS IS A PLAN REVIEW ITEM AND SHOULD BE SHOWN ON PLANS.
- ARTICLE 242 - A NEW ARTICLE COVERING SURGE PROTECTORS INCLUDING LOCATIONS, WIRING METHODS AND SURGE PROTECTOR TYPES.
- ARTICLE 314.27 (C) - ELECTRICAL BOXES LISTED FOR SOLE SUPPORT OF CEILING FANS OR BOXES ATTACHED TO DIRECTLY TO STRUCTURAL FRAMING REQUIRED IN ALL HABITABLE ROOMS.
- ARTICLE 406.9 - NO RECEPTACLES WITHIN 3 FEET HORIZONTALLY OR 8 FEET VERTICALLY FROM BATHTUB RIMS OR SHOWER THRESHOLD. EXCEPTION FOR SMALL BATHROOMS REMAINS.
- ARTICLE 445.18 - GENERATORS WITH A RATING GREATER THAN 15kw REQUIRE REMOTE EMERGENCY STOP SWITCH LOCATED OUTSIDE OF THE GENERATOR ENCLOSURE. THIS IS A PLAN REVIEW ITEM AND SHOULD BE SHOWN ON PLANS.
- ARTICLE 625.54 - GFCI PROTECTION FOR RECEPTACLES INSTALLED FOR CONNECTION OF ELECTRIC VEHICLE CHARGING. THIS IS A PLAN REVIEW ITEM AND SHOULD BE SHOWN ON PLANS.
- ARTICLE 680.21 (C) OUTLETS SUPPLYING POOL MOTORS ON BRANCH CIRCUITS TO BE GFCI PROTECTED. THIS IS A PLAN REVIEW ITEM AND SHOULD BE SHOWN ON PLANS.
- ARTICLE 690 - SOLAR PV SYSTEMS. EXTENSIVE REWRITE OF THIS ARTICLE AND NUMEROUS CHANGES AND NEW REQUIREMENTS.

IN ADDITION TO THE ABOVE CHANGES

AN IMPORTANT CHANGE IN THE 2023 FLORIDA BUILDING CODE-ENERGY CONSERVATION AFFECTING LIGHTING. SECTION R404.1 (A MANDATORY REQUIREMENT) REQUIRES HIGHER EFFICACIES OF PERMANENTLY INSTALLED LUMINAIRES AND LAMPS AND CHANGES THE PERCENTAGE FROM 90% TO 100%. THIS MEANS 100% L.E.D. LIGHTING REQUIRED!!! AN EXCEPTION FOR KITCHEN APPLIANCES REMAINS IN THE CODE. THIS IS A PLAN REVIEW ITEM AND SHOULD BE SHOWN ON PLANS.