

**TOWN OF ORO VALLEY AMENDMENTS TO THE
NATIONAL ELECTRICAL CODE, 2011 EDITION**

The following provision of the National Electrical Code, 2011 Edition, as published by the National Fire Protection Association, is hereby amended as follows:

Revise Article 210.5 by deleting paragraph (C) and replacing it with the following:

(C) Identification of ungrounded Conductors. BRANCH CIRCUITS SHALL CONFORM TO THE FOLLOWING COLOR CODE.

<u>VOLTS</u>	<u>PHASE</u>	<u>SYSTEM</u>	<u>PHASE A</u>	<u>PHASE B</u>	<u>PHASE C</u>	<u>GROUNDING CONDUCTOR</u>
120/208	3	WYE	BLACK	RED	BLUE	WHITE
277/480	3	WYE	BROWN	ORANGE	YELLOW	GREY
120/240	3	DELTA	BLACK	ORANGE	RED	WHITE

EXCEPTION NO. 1: THIS COLOR CODING IS NOT REQUIRED IN RESIDENTIAL OCCUPANCIES

EXCEPTION NO. 2: FOR ADDITIONS TO EXISTING ELECTRICAL SYSTEMS WHERE A PREVIOUSLY APPROVED COLOR CODING SYSTEM EXISTS, THE EXISTING COLOR CODING SYSTEM MAY BE CONTINUED

At Article 210.11 (C), add new number (4) as follows:

(4) DISHWASHER/GARBAGE DISPOSAL BRANCH CIRCUITS. IN SINGLE FAMILY RESIDENTIAL OCCUPANCIES, A DISHWASHER AND GARBAGE DISPOSAL MAY BE ON THE SAME 20 AMPERE BRANCH CIRCUIT.

Revise Article 210.8 (A)(7) and (B)(5) as follows:

(A)(7) Sinks OR SIMILAR FIXTURES- located in areas other than kitchens where receptacles are installed within 1.8 m (6ft) of the outside edge of the sink **OR FIXTURE**

(B)(5) Sinks OR SIMILAR FIXTURES - where receptacles are installed within 1.8 m (6ft) of the outside edge of the sink **OR FIXTURE**

Revise Article 225.32 by adding exception No. 5 as follows:

EXCEPTION NO. 5: FOR FREESTANDING CANOPIES, CARPORTS, TOWERS, AND SIMILAR STRUCTURES, A BRANCH CIRCUIT DISCONNECTING MEANS SHALL BE PERMITTED TO BE LOCATED ELSEWHERE ON THE PREMISES. A BONDING CONDUCTOR SIZED IN ACCORDANCE WITH ARTICLE 250.122 SHALL BE RUN WITH THE CIRCUIT CONDUCTORS.

At Article 230.70(B) add the following text:

(B) Marking. Each service disconnect shall be permanently marked to identify it as a service disconnect. **IDENTIFYING LABELS FOR DISCONNECTING MEANS SHALL HAVE ENGRAVED OR RAISED LETTERS AND BE SECURED BY SCREWS OR RIVETS.**

At Article 312.5 (C) add a 2nd exception as follows:

EXCEPTION #2: AT SURFACE-MOUNTED PANELBOARDS WHERE TOP OR BOTTOM ENTRY OF CONDUCTORS IS IMPRACTICAL, ENTRY THROUGH THE BACK OF THE PANELBOARD SHALL BE ALLOWED WHEN ALL OF THE FOLLOWING CONDITIONS ARE MET:

- (A) CONDUCTORS SHALL BE PROTECTED FROM ABRASION WHERE THEY PASS THROUGH THE PANEL ENCLOSURE**
- (B) CONDUCTORS SHALL REMAIN FULLY SHEATHED AND EXTEND NOT LESS THAN 1/4 INCH (6 MM) INSIDE THE PANEL ENCLOSURE**
- (C) CONDUCTORS SHALL BE SECURED WITHIN 8 INCHES (200 MM) OF THE PANELBOARD OPENING**
- (D) THE OPENING TO THE PANELBOARD SHALL BE SEALED WITH A FIRE-RATED MATERIAL LISTED FOR NOT LESS THAN ONE HOUR**