



Oregon

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Building Codes Division Statewide Interpretation

PROGRAM: Electrical Program
SUBJECT: 230.40 exc. 2
SOURCE: Custom Electric
REFERENCE: 2005 Oregon Electrical Specialty Code
DATE OF ISSUE: Re-Issue April 1, 2005
PREPARED BY: John Powell
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QUESTION: Would the application of 230.40 exc. 2 allow for the installation of separate groups of disconnects to be at different locations on a single multi-family dwelling?

ANALYSIS:

230.2 of the 2005 NEC provides that a building or other structure served shall be supplied by only one service unless permitted in 230.2(A) through (D). For the purpose of Section 230-40, Exception No. 2 only, underground sets of conductors, size 1/0 and larger, **running to the same location** and connected together at their supply end, but not connected together at their load end, shall be considered to be supplying one service.

230.40 Exception No. 2 provides where two to six service disconnecting means in separate enclosures are **grouped at one location** and supply separate loads from one service drop or lateral, one set of service-entrance conductors shall be permitted to supply each or several such service equipment enclosures.

DETERMINATION:

230.40 exc. 2 allows a maximum of six disconnects to be grouped at one location. Additionally, 230.2 allows underground conductors 1/0 AWG or larger run to the same location and connected at their supply end to be considered one service. 230.2 allows a building or structure to be served by only one service. A multi-family dwelling, that is

considered a single building or structure, is allowed to have only one service. This service may consist of multiple service laterals tied together at their point of supply, per Article 230.2 and a maximum of six disconnects grouped at one location per Article 230.40 exc. 2. In this instance, this installation is considered a single service, thus allowing a maximum of six disconnects for the service and does not allow six disconnects per service lateral.

For additional information concerning row houses and townhouses and the relationship between the new Oregon Residential Specialty Code and connected buildings, see Oregon Interpretive Ruling 94-20 located under Structural Code Interpretations at www.bcd.oregon.gov.