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Title: Comparative test of seismic resistance of inverter cabinets used in schools

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1. Purpose The purpose of this guide is to define the general requirements for seismic qualification of electrical equipment to conform with model building code provisions for earthquake ...

The developed numerical models can approximate the seismic response of the electrical cabinets when subjected to the seismic testing protocols of increasing intensity used during the testing ...

1. INTRODUCTION Certain safety-related multiple, interconnected electrical cabinets and the devices contained therein are required to perform their intended safety functions during and after ...

This study estimated the in-cabinet amplification factors by using various methods. Comparative results are presented in this paper. These instruments must continue to operate during ...

ABSTRACT : The seismic qualification of electrical cabinets can be established by different methods like analysis, test and proof by analogy. This contribution gives two examples of ...

Electrical cabinets, including MCC and switchgear, are representative safety-related equipment. Several studies have assessed the degradation and seismic performance of nuclear ...

2.3 Input Motions Because the cabinet is usually installed inside the structures, the response of floor located the cabinet should be input for the base of the cabinet. This study used the ...

The ICRS should be estimated prior to seismic qualification of devices mounted in electrical cabinets. EPRI report [1] introduces a simple method to estimate seismic demand on relays ...

INTRODUCTION Electrical cabinets are often essential equipment for the safety of nuclear facilities. Thus the cabinets have to successfully pass several qualifications. One of these ...

Comparative test of seismic resistance of inverter cabinets used in schools

This study analyzed seismic behavior by fabricating an electrical cabinet model based on the dynamic characteristics and field surveys of equipment installed in a Korean-type NPP. A shaking ...

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