



County of San Diego, Planning & Development Services
INSPECTION FORM: SERIES RATED COMBINATION
BUILDING DIVISION

This form is to be used on commercial projects when the designer of record (architect or electrical engineer) is proposing to install series rated equipment. It provides documentation to assure compliance with the following National Electrical Code sections on the use of Series Rated Combinations: 110.9, 110.22 & 240.86

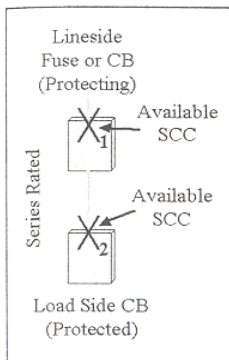
PERMIT #: _____

NAME: _____

LOCATION: _____

CONTRACTOR: _____

ESSENTIAL INFORMATION:



Line Side Panel Designation (If Applicable) _____

Line Side Overcurrent Protective Device Part Number _____

Line Side Overcurrent Protective Device Interrupting Rating _____

X₂ Available Short Circuit Current at Line side OCP Device _____

Load Side Panel Designation _____

Load Side Circuit Breaker Part Number _____

Load Side Circuit Breaker Individual Interrupting Rating _____

Series Combination Interrupting Rating _____

X₂ Available Short Circuit Current at Load side Circuit Breaker _____

COMPLIANCE CHECKLIST

1. Short-Circuit Currents

Is the interrupting rating of the line side fuse or circuit breaker greater than the available short-circuit current (**X₁**) at its lineside (110.9) YES NO

Is the series combination interrupting rating greater than the available short-circuit current (**X₂**) at the load side circuit breaker (permitted per 240.86)? YES NO

2. Manufacturer's Label

Are both devices in use for the series rated combination marked on the end use equipment in which the load side circuit breaker is installed (or contained in a booklet affixed to the equipment) as required in 240.86(A)? YES NO

3. Field Installed Label

Are field labels, as required by 110.22, that indicate "CAUTION – Series Rated Combination", along with the required replacement parts, panel designations, and series combination interrupting rating, installed on all end use equipment that contain the series combination rating devices? YES NO

4. Motor Contribution

If motors are connected between the series rated devices, is the combined full load Current from these motors less than 1% of the downstream circuit breakers' interrupting Rating (individual or stand alone interrupting rating) per 240.86(B)? YES NO

5. Selective Coordination

Is this series rated combination being installed in something other than a health care facility (see NEC 517.17)? YES NO

Elevator circuits only: Is this series rated combination being installed on an elevator circuit with only one Elevator in the building (see NEC 620.62)?

AN ANSWER OF "NO" TO ANY OF THESE QUESTIONS MAY INDICATE A LACK OF COMPLIANCE. LACK OF SUBMITTAL IS CONSIDERED AS EVIDENCE OF LACK OF COMPLIANCE.