

DETERMINING EXISTING ELECTRICAL LOAD

BCA DIRECTIVE -- 07

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A PURPOSE:
This **BCA Directive** promulgates the approved use of **recording amp meter** for determining existing electrical load.

B REQUIREMENTS:
The use of a **recording amp meter** for a period of several days to a week in existing facilities is deemed to meet the intent of NEC 220.87 (2) to **establish the maximum demand**. Historically, most USF campus buildings present a fairly constant load; thus, recording duration of no more than calendar week is deemed sufficient to obtain the necessary data. The application of the **125% safety factor** further protects the owner from unnecessary loss of power due to breaker tripping on overloads. Basis of the code for protection of **branch feeder circuits** is also deemed to be have been satisfied by the approved amp meter recording.

This directive applies to all USF projects where additional loads are being added to existing or replacement panels.

FILE: BCA-06 (USF Tampa Campus Wind Requirements).docx