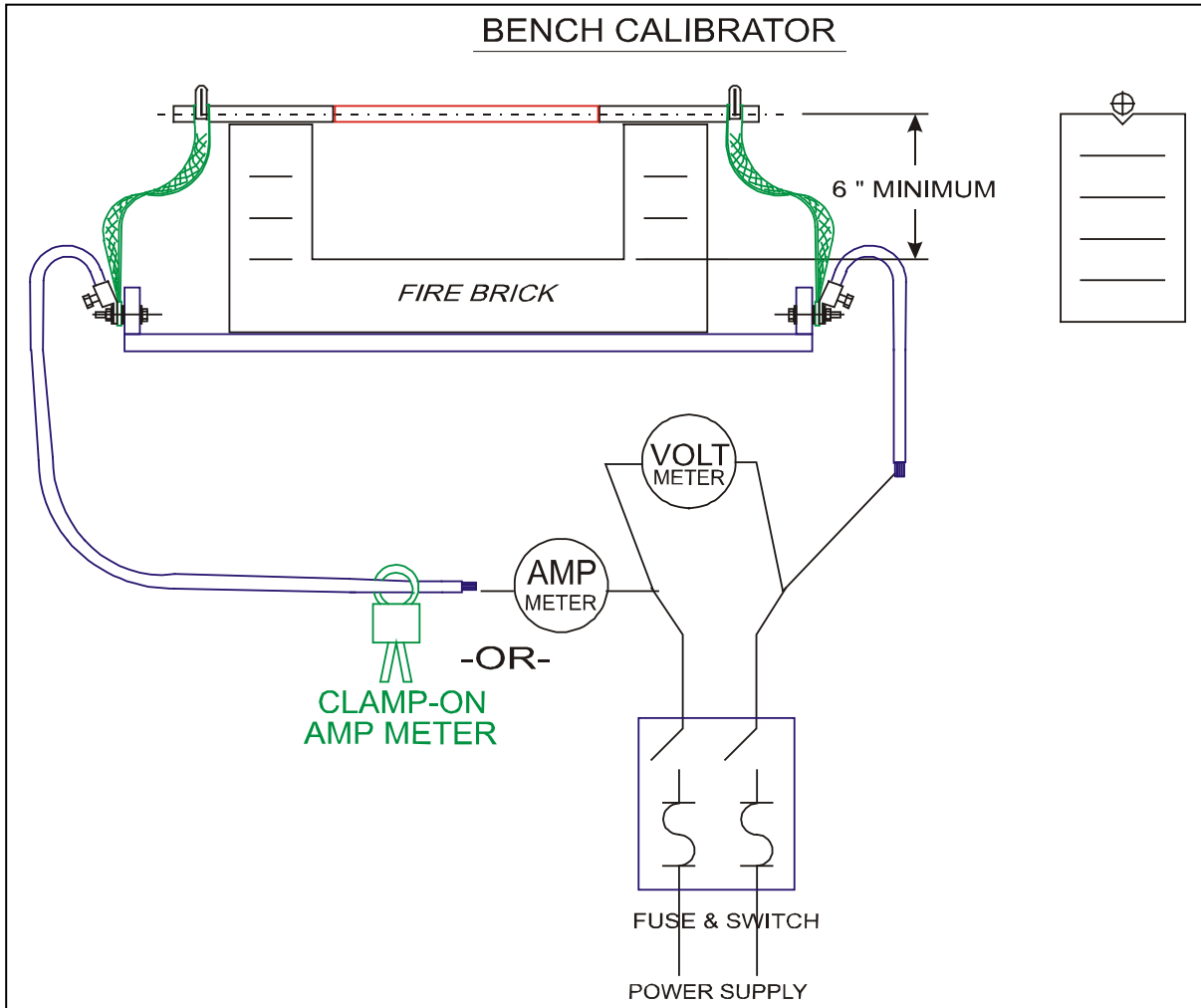


I SQUARED R ELEMENT CO., INC.



12600 Clarence Center Road, P.O. Box 390, Akron, New York 14001-0390, e-mail: sales@isquaredrelement.com
webpage: www.isquaredrelement.com, Phone (716)542-5511, FAX (716)542-2100



A clamp-on ammeter is required and readings are taken by clamping around the aluminum braided terminal strap or terminal wire.

- The value is a comparative figure which can be used to relate other elements in the furnace or other elements measured using the same method.
- To compute the resistance, measure the voltage drop across each element, then divide the voltage by the current. This will give you the resistance in ohms of the element.
- If an element has more than doubled in resistance value, the element is considered completely aged and should be replaced.

Example: Calibration volts and amps for a new Starbar RR 46x24x1.25 with 0.87 ohms +/-20%, 80-116A, 77 volts

Do not apply more than 77 volts on a new element for it could be overpowered and possibly break. As the elements increase in resistance (age), the voltage can be increased.