2880 International Circle Colorado Springs, CO 80910
Telephone 719-327-2880
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Electrical equipment SCCR and Fuse protection:

If you choose not to perform a fault current calculation to determine the actual fault current at your equipment, the following parameters provide the fuse types that need to be installed to protect equipment with a short circuit current rating (SCCR) of 5K or if the equipment SCCR is unmarked. Prior to a final on your permit, you will need to provide a signed statement on company letterhead providing the service size and voltage, the minimum circuit ampacity of the equipment and wire size, along with the fuse type installed. If anything other than a fused disconnect with a Class RK5 fuse is required based on the information below, a permanent label will also be required at the disconnect or junction box housing the fuse block stating:

"Replacement fuses must be Class _____ only."

Attention:
The following parameters are based on 3 phase 120/208-V, 277/480-V and 120/240-V single-phase services only. They are not guaranteed to work for Delta bank services. The default parameters will work for single phase equipment that is feed from a 3 phase service. When you encounter a Delta service, or a single-phase or 3 phase service that is outside of the default parameters, you will need to do a fault current calculation. If you choose not to use one of the following default parameters, you need to do a fault current calculation. You will be required to provide a signed statement on company letterhead providing the service size and voltage, the type, size and quantity of service conductors, the wire type and size of conductors to any intervening panels or transformers, and the minimum circuit ampacity of the equipment and wire size along with the fuse type if any that is required prior to final inspection. The letter must also state the available fault current at the unit. If anything other than a fused disconnect with a Class RK5 fuse is required

based on your information, a permanent label will also be required at the disconnect or junction box housing the fuse block stating:

"Replacement fuses must be Class _____ only."

Downtown Network Area: 2000-amp or smaller service at 208-volt 3-phase and any equipment with a minimum ampacity and wire not greater than 200-amps. You can protect this equipment with a Class T fuse. If the unit is small enough, other classes of fuse protection could be used you would need to do a calculation to determine your specifics if you want to use something other than a Class T.

Downtown Network Area: 1000-amp or smaller service at 208-volt 3-phase and a piece of equipment with a minimum ampacity and wire not greater than 100-amp, you can protect equipment with any of the following fuse types: Class RK1, Class J, Class T, Class G, or Class CC/CD.

Downtown Network Area: 600-amp or smaller service at 480-volt 3-phase and a piece of equipment with a minimum ampacity and wire not greater than 60-amp, you can protect the equipment with any of the following fuse types: Class R (RK5 or RK1), Class T, Class J, Class G, or Class CC/CD.

All areas not within the downtown network area: 2000-amp or smaller service at either 208-volt or 480-volt 3-phase, and equipment with a minimum ampacity and wire not greater than 100-amp, you can protect with any of the following fuse types: Class R (RK5 or RK1), Class T, Class J, Class G, or Class CC/CD.

All areas not within the downtown network area: 1200-amp or smaller service at 120/240-Volt single phase, and the equipment with a minimum ampacity and wire not greater than 100-amp, you can protect with any of the following fuse types: Class RK1, Class T, Class J, Class G, or Class CC/DD.