DIVISION 16 - ELECTRICAL

Section 16435 – Switchboards

Introduction

There are no unique University requirements.

Part 1 - General

- Refer to Appendix Section 16435 and incorporate into project.

    - Provide a comprehensive specification.
    - Include the following in performing the design and specifications.
        - Pull sections shall be required.
        - Top of main device shall be line side.
        - Sections shall have steel barriers or galactic barriers between each section.
        - Metering shall be cold sequence.
        - Metering shall be Veris as specified in the Metering Section of the Design Specification Standards.
        - Suppressor shall be hard bussed and mounted in it's own cubicle.
        - Areas next to last section shall be planned and marked on the floor for future extension. Provide the housekeeping pad now.
        - Integrated switchboard design is discouraged unless required by the University of Arizona, Facilities Design & Construction, Electrical Engineer.
        - Bussing and system design will address coordination of devices. Designer shall provide 4 to 1 separation on motor feeder devices and transformer feeder devices, when referenced to the upstream device.
        - Transformer feeder breakers shall be electronic, and coordinated to the transformer and its inrush.
        - Consultant shall base initial coordination on Cutler Hammer, General Electric or Square D.
        - Provide electronic type breakers on devices below 200 amperes whenever clean coordination cannot be achieved, including elevator feeder breakers.

Part 2 - Products

- Refer to Appendix Section 16435 and incorporate into project.
- Approved manufacturers, subject to submittal review are Cutler Hammer, GE and Square D.

Part 3 - Execution

- Refer to Appendix Section 16435 and incorporate into project.
- Edit carefully, as required for the project.

End of Section 16435