1.1 GENERAL

1.2 Related Technical Requirements

  .1 Division 26

1.3 Coordination Requirements

  .1 SFU Facilities

1.4 Description

  .1 SFU requirements for Secondary Power Distribution.

2.1 MATERIALS AND DESIGN REQUIREMENTS

  .1 Two secondary voltage levels are acceptable at the University:
   .1 120/208 Volt, 3-Phase 4-Wire Wye System
   .2 277/480, 3 Phase 4-Wire Wye System.

  .2 Alternative voltages such as 347/600 are not acceptable unless approval provided by
     SFU Facilities.

  .3 The selection of distribution voltage shall be based on building layout. Conditions such as
     large distribution loads, high building and large footprint shall be used to determine the
     preferred secondary distribution.

  .4 If a 480V secondary distribution is selected, all motors 3/4 hp and up shall be supplied at this
     level.

  .5 Any building supplied by 208 or 600 Volts shall have entrance switchgear designed and
     labelled as “Suitable for Service Entrance”.

3.1 SECONDARY DISTRIBUTION EQUIPMENT IDENTIFICATION AND LABELING

  .1 Secondary distribution equipment, such as Panel Boards, Load Centers and MCCs shall
     have conspicuously attached a permanent 2” X 4” Hazard Warning Label to meet OHSA and
     NFPA standards that clearly identifies:
     .1 Incident Energy
     .2 Arc Flash protection boundary
     .3 Hazard Category
     .1 Secondary distribution equipment that is identified as Hazard Category two or
        higher, the above label shall be 3.5” X 5”

  .2 Panel Boards, Load Centers and Transformers shall be labeled and identified in accordance
     with the most up to date SFU Identification and Labeling Standard in all new buildings,
     renovation projects and in any major additions to existing buildings.

***END OF SECTION***