1 Power & Lighting Wiring

1.1 Wiring for 208Y/120V, 3PH, 4W and 480Y/277V, 3PH, 4W branch circuits shall be installed in conduit.

1.2 Wiring for 208Y/120V, 3PH, 4W and 480Y/277V, 3PH, 4W feeders and services:

1.2.1 Shall be installed in Rigid or IMC conduits.

1.2.2 Conduit two inch or smaller it may be EMT.

1.3 Wiring for site lighting shall be installed in schedule 40 PVC conduits, without concrete encasement.

1.4 Wiring for Engine-Generator Control and Power Wiring shall be installed in:

1.4.1 Outdoors

- Rigid
- IMC
- Concrete encased or covered PVC conduit

1.4.2 Indoors

- EMT conduit

2 Power Limited Circuits

2.1 Wiring for Nurse Call, Door Alarm, Fire Alarm, Telephone, Cable TV, Building Automation Control Systems, and other related Power Limited Circuits and Systems should be installed in conduits, but at the Owner’s option, may be installed without conduits.

2.2 Cat 5 wiring for lighting control systems may be installed in skeletal conduit.

2.3 Wiring without conduits

2.3.1 Utilize multi-conductor cables (for each respective system) of size, insulation, etc., suitable for the particular application.

2.3.2 All cables, insulation, etc., shall be in full conformance with The National Electrical Code and U.L. requirements.

2.3.3 Must have a dedicated, independent support system

- Bridal rings
- Skeletal systems

2.3.4 Shall be run parallel to building grids

2.3.5 Shall be supported at each device drop off

2.3.6 Shall be supported at least every five feet.

3 Fire Alarm Devices

3.1 At the Owner’s option wiring for Fire Alarm Devices only may be installed using the appropriate “Riser” or “Plenum” rated cables as per NEC and in accordance with University Safety and Security Department requirements.