GENERAL:

The scope of this document is to provide requirements for interior lighting

DESIGN GUIDELINES:

1. Illumination design shall comply with the latest editions of the Illuminating Engineering Society (IES) Light-[t9 H(in)2 pI4 (oc)4P <</MC(</MG C)These calculations shall show iso-photo (contours) diagrams of each space, average foot candle levels and min/max ratios. These calculations shall be submitted concurrent with the ASHRAE 90.1 compliance submittal.

3. Maintenance accessibility of light fixtures shall be considered when selecting and placing fixtures.
   3.1. Fixtures shall not be placed over stairs. In stairwells, lights shall be located on landings.
   3.2. All fixtures shall be installed or mounted within 10'-0" AFF.
   3.3. In Auditoriums, lighting shall be designed to minimize the use of scaffolding for fixture maintenance.
   3.4. In no case shall fixture maintenance require the fixtures to be removed or require the demolition of the ceiling.
   3.5. Provide a 6'-0" electrical whip on all cove lighting so that it may be lifted out of the cove for maintenance.
   3.6. For Fixtures in Atriums along walkways, the fixture shall be placed a minimum of 4'-0" from the atrium opened wall and shall be positioned such that the fixture can be maintained with the ladder facing the atrium.

4. Use the same type of fixtures to the greatest extent possible throughout the facility. This reduces the storage quantities and eases the maintenance of the lighting system.

5. Use energy efficient LED fixture technology. 2x4 LED troffers and 6" LED down lights

7.4. Driver Current = 700mA or match LED module. Do not overdrive LED module.
7.5 Temperature rating = Minimum 25 ºC (match max space conditions)

8. Lighting Control
8.1. Provide local switching for all lighting. Offices, corridors, equipment rooms, etc. will be provided with separate switches except for night lights.
8.2. Open Office spaces shall have the lighting switched in office groups. Light control shall provide for a two-hour override for lighting in these areas afterhours.
8.3. One switch to provide minimal lighting is required at the back of lecture halls a(ba)4 (c)4.(s

14. Exterior lights should also be LED and comply with the requirements of this standard. Fixtures should match or be of similar type or style of existing fixtures in the area of campus being installed.

15. Provide lighting fixture schedules for all lighting.

16. Lay-in ceilings light fixture support. Provide one of the following:

    16.1. The requirements for a suspended ceiling are determined by the buildings Seismic Design Category. Determination of the Seismic Design Category is complex and must