

ELECTRICAL SYSTEM

A. Power Distribution:

1. Receptacles Hubble or equal
2. Switches Hubble or equal
3. Face Plates Satin (brushed) stainless steel
4. Conductors THHN, stranded copper only. Aluminum is not acceptable.
5. No MC (Metal Clad) or Flex Cable allowed.
6. No Smaller than ¾ trade size EMT (electrical metal tubing) allowed.
7. Electrical Panels Walls where electrical panels are to be located will have a nominal thickness of 2" larger than the panel.

B. Lighting Fixtures and Lamps:

1. Light fixtures Energy saving T-8 lamps (4 foot) and electronic ballasts
2. Light Fixture Lamps **Holophone 8224** diffusers

C. Lighting Controls:

1. Occupancy sensors Motion sensors will be utilized in areas such as classrooms, laboratories, offices, storage rooms, restrooms, and other applicable areas.

E. Fire Alarm System:

1. Fire alarm The fire alarm detection and signaling system will be provided, zoned, coded, and electronically supervised, consisting of fire alarm control panel, remote annunciator, area smoke detectors, duct detectors, waterflow switches, manual pull stations, horns, and strobes. The fire alarm control panel will monitor and annunciate the status of detection and alarm conditions
FCI at Chabot College
FCI at Las Positas
2. Exit Signs LED 277v

F. Signal:

1. Clocks **Simplex 6310** (surface mounted only)
2. Telephone Jacks **RJ-45 Lucent Technologies**
3. Data See Guidelines published by IT
4. Communications See Guidelines published by IT

G. Miscellaneous:

1. Time Clocks Connect to EMS