

CONCLUSIONS

The University of California, San Diego Cal IT² building is quite an impressive building. It marks as a staple on the UCSD campus. From its modern architecture to its elaborate electrical scheme, CAL IT² integrates everything into a working piece of art. From analyzing the existing conditions in both the lighting and electrical areas, I have learned a great deal about the composition of this technological building. It entails a wide variety of lighting schemes and electrical wiring with constant back-up for all the software and documentation going on inside.

In my redesign, I have provided an easily controlled lighting scheme for the theater, lobby, research area, academic courtyard, and the underground tunnel. As you saw, I have kept in mind the occupants and how they will be using each of these spaces while also keeping in tune with the architecture and purpose for the building itself. I have checked the electrical equipment installed with my new lighting system to verify the power consumption for everything new. I have also provided an acoustical and cost analysis to show how all trades of the industry are affected by one another.

I have learned a great deal from this whole experience. From this I will be taking away an understanding of how the industry works and how design can affect the many disciplines involved in each area. Even with the greatest challenge, a common ground can always be heard.