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Breadth Redesign Proposals

Electrical Proposal

Throughout the Amini Center, many T8 lighting fixtures are implemented. Due to strict lighting power densities and the attempt for LEED Gold certification, better lighting fixtures will be looked at in order to reduce the energy consumption of the building. In many of the office area where T8 fixtures are dominant, T5 fixtures will be looked at to reduce wattage while maintaining an equal lighting level. The cost, energy consumption, and lighting levels will be evaluated.

Structural Proposal

Due to the size and type of equipment being selected in the redesign, locating them on the roof will increase the load and the beams will need to be evaluated. The bay where the chillers will be located will be evaluated and increased of necessary, for the new loads.