



## Executive Summary

I have chosen to redesign the lighting for four interior spaces and one exterior space in the Center for Health Research and Rural Advocacy (CHRRA). The first space is the first floor open office. The space consists of cubicles and filing storage and is enclosed by an insulated glass curtain wall on the southwest façade. Reading, writing, filing and circulation will take place in this area of the building. There is a great opportunity in the open office for daylight harvesting and photosensor dimming.

The second proposed redesign area is the 300 seat ellipsoidal auditorium. The auditorium is on the ground floor of CHRRA and is one of the main spaces for visitors to enter when coming to the building. Its main uses are: lectures, presentations, and group discussions. Having a flexible system implemented in this area is critical to its multiple functions.

The third interior space is the double height main entrance lobby. This is the first area that a patron entering the building will see. The north facing façade is a curved glass curtain wall, which lets a great deal of natural light enter the space. The main lobby does not have any tables or chairs; therefore, it is used as mainly a circulation, meeting area. Facial modeling is important in this space.

The final interior space is the multipurpose room. The space is located on the ground floor and is intended to be used as both a presentation space and also a banquet space. The room has two moveable partitions that can create three smaller multipurpose rooms. The room will be used for presentations, group discussions, lectures, and dining.

For the exterior redesign, I have decided to focus on the entrance to the building, the pedestrian pathway to the main entrance, and the terrace on the south side of the building. The exterior of CHRRA is mainly glass so it is difficult to light the façade of the building from the exterior without creating glare. Therefore lighting the façade will come from within.