

Conclusion

The Rio Hondo Library and Learning Resource Center is a building that will be enjoyed by the students because it does not feel like a library. The spaces that were chosen for the redesign were intricate spaces with angled ceilings, glass facades, a curve around the south curtain wall that follows the pattern of the earth. Overall the spaces were unique to each other so each space offered a new challenge.

In the redesign of the stack area and the Microfilm and Reading Area, a new controlled daylight system was added which will aid in future energy conservation. Taking into consideration the stringent laws of California and their energy codes, the design was developed. Each space had a different hierarchy and was taken into consideration. Overall the building was a challenge because working with a library brings on a different set of standards.

On the electrical side, in an attempt to combine transformers to save money, more money was actually spent. Discovering that sometimes bigger is not always better is a lesson learned from the electrical analysis.

For the mechanical breadth work, the skylight was analyzed and the total annual energy savings was configured for the system.

After a year of work, learning how systems integrate together is an invaluable lesson.