

Owner: City of Roswell  
Location: East Roswell Park Community Activity Building  
Date: May 5, 2013

Project Name: Roof Skylight Installation Project

Contractor: Pride Roofing

Foreman: Tim Bruce

During the week of April 8, 2013 Pride Roofing began work on the East Roswell Park 2013 Roof Skylight Installation Project. Since then, work has continued, with delays caused by weather, installing the new curbs and skylights.

This project is the second part of a three-part roof replacement and energy saving program. The objective of this portion of the program was the installation of light enhancing skylights in the lobby, gymnasiums, and the storeroom. During this phase of work, nearing completion, the two skylights in the lobby are being upgraded and converted to energy efficient designs, one new skylight was installed in the storeroom, and twelve new light enhancing skylights were installed in the gymnasiums.

The new skylights installed in the gymnasiums have had an immediate effect. During the day, scheduled activities are being conducted without any lights being turned on. Even during partially cloudy days, the new skylights capture and broadcast enough light to provide ample lighting for racquet sports, basketball, and child care activities.

Work completed during this second phase of the three phase roof replacement and building energy enhancement project included the following:

1. Coordination of the project with local facility park supervisor, Mark Holder.
2. Layout of the skylights on the roof and calculation of a light distribution layout based upon current conditions and equipment installed on the underside of the gymnasium decking.
3. Modification of the prefabricated curbs to accommodate the slope in the gymnasium deck.
4. Assembly of the curbs, light distribution tubes, and lenses.
5. Removal of the existing roofing, insulation, and metal decking.
6. Installation of the new curbs, light distribution tubes, and lenses.
7. Installation of new roof system manufacturer approved flashing details.
8. Installation of skylight curb light seals.
9. Installation of gaskets.
10. Installation of skylight covers and lenses.

Photographs taken during the project follow.



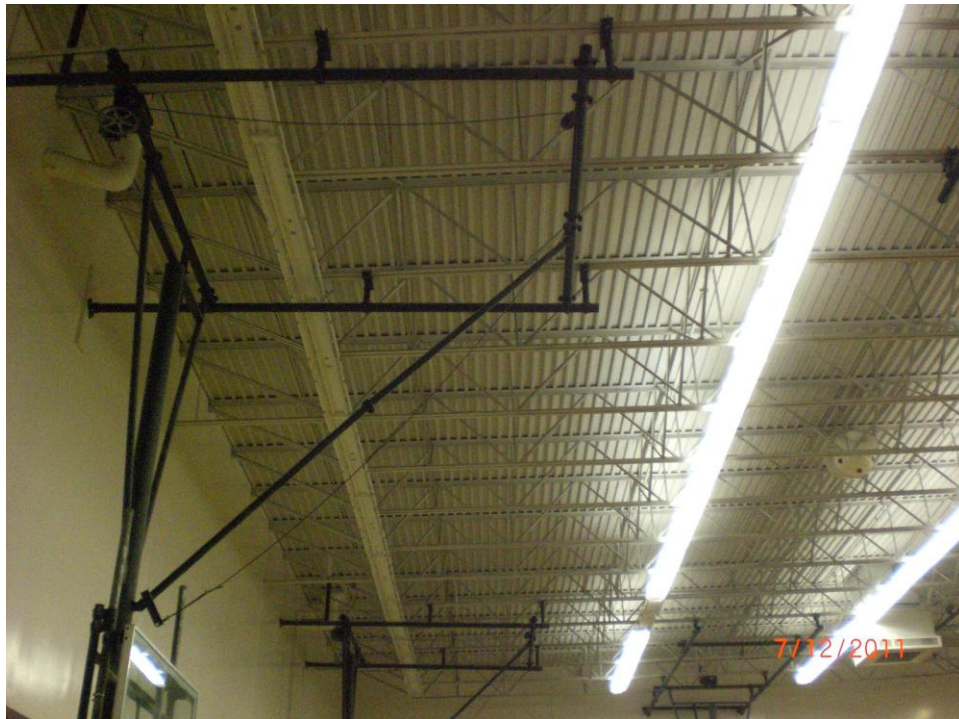
The skylights were delivered to the East Roswell Recreation Center. Pride Roofing began work the week of April 8, 2013.



Prior to installation the underside of the deck was inspected for obstructions.



Prior to commencement of work, the lights were the only source of lighting for activities in the gymnasiums.





The skylight components and additional supplies were lifted to the roof.





The skylight components were laid into position.



Each curb required custom modification to accommodate the slope in the deck.



The location for each skylight was marked. The roof, insulation, and decking was then removed and disposed of off site.

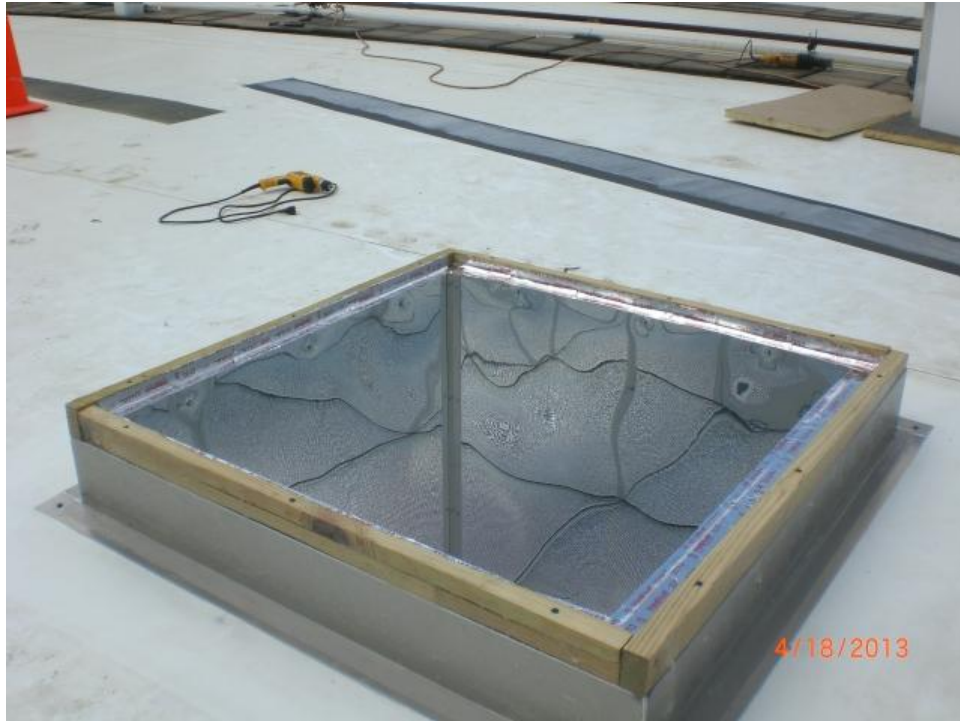




Curbs were then set over the openings and mechanically attached to the deck.



The light distribution tubes were assembled and lowered into the curbs.



The light tubes were fastened to the inside of the curbs.



The tops of the light tubes were sealed with light blocking aluminum tape, and the tops of the curbs were covered with foam gasket material.





Finally, the skylight domes and frames were installed and mechanically fastened into position.





The two skylights on the lobby roof will be replaced with energy efficient skylight covers as part of the project.





Racquet sports and child care play activities underway in the gymnasium without lights.





On this partly cloudy day, there was ample light in both gymnasiums and the store room to allow the children to play, and to permit safe access to the storeroom.

