

DUG-NAD

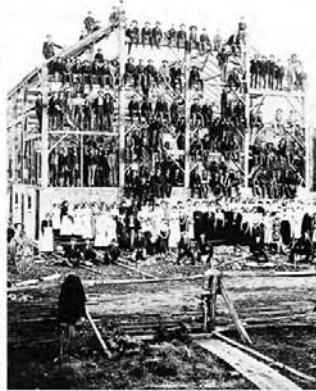
unpaid, voluntary, orchestrated, community work

ST. EDWARD
Community Gathering



Historic Barn-Raising

Barn raising was popular during the 18th and 19th centuries during the expansion of the United States when specialized workers were hard to come by. Barn raising required every member of a community to aide in the construction of a private barn which was an essential structure for any farmer. Many workers were required in order to erect the building before the harsh winter set in. These citizens were unpaid and unspecialized; however they came together to help out another family.



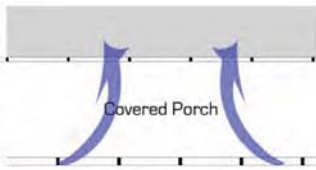
The St. Edward Bi-Annual "Dugnad Day"

The Norwegian word, "dugnad," means voluntary work done together with other people. It is a word associated with helping of others by a small community. Along with the construction of a new reception hall, this architectural design leads to the creation of "The Bi-Annual Dugnad Day," strengthening the concept of community gathering. On the first Saturday of October and April, community members from the city of St. Edward come together to install or remove the polycarbonate panels incasing the reception hall. After an afternoon's work, a large potluck party is held in the reception hall with speeches, community awards, dancing and music. The design not only compliments reception-style events but also requires the gathering of the community with a large festival.



The Expanding Wall

During the Spring Dugnad Day, community members would gather to remove the polycarbonate panels for the summer months. During the summer the exterior wall is no more than a 4" curtain wall with 100% shading. The shading for the wall is supplied by a covered walkway. This permits the operable windows to remain open to allow for cool breezes to circulate throughout the building.



The Fall Dugnad Day would bring the community together again to put the polycarbonate panels back in place. With these panels installed the wall thickness increases from 4" to 7'-1 3/4". The once covered porch is now an extremely large thermal air barrier that one would see in the construction of a typical wall. The shading of the building allows the winter sun to enter into this space, heating the air which radiates into the reception hall.

