

Assisting with Unique Design

The new home for the Dallas Cowboys will be a football venue worthy of the State of Texas. The largest domed structure in the world with the largest trusses in the world, it features a retractable roof and retractable glass walls at each end.

Design Issues:

Overall structural wind loading on roof in various configurations including open and closed end doors.

- Cladding wind loading for exterior walls, suspended scoreboard and glass end doors.
- Pedestrian wind studies for environment outside stadium.
- Wind drag study of retractable roof panels traveling on sloped tracks.
- Effects of wind on field and seating when end doors open.
- Impact on pedestrian comfort when larger super bowl seating configuration in place.

