



**Elevated Tank Category Winner**  
**CB&I – Plainfield, IL**

This 4,000,000 gallon behemoth built in Keokuk, Iowa, is the largest capacity elevated tank west of the Mississippi and the second largest elevated tank ever built in the world!

The challenging design resulted in 2,000,000 pounds of steel to support the 33,000,000+ pounds of water, up 160' in the air in a massive 136' diameter tank bowl sitting on a 90' diameter fluted pedestal. The foundation had to use drilled piers down to bed rock to support the loads.

Although the Owner considered a number of tank options, the owner chose all steel construction due to its proven durability and long track record of reliable service.

To protect their investment and to minimize future maintenance cycles, the Owner selected the highest quality coatings by using a fluorourethane coating on the exterior, and a 100% solids hi-build polyurethane coating on the inside wet. The letters "KEOKUK" were painted on two sides of the tank that will help to promote the community and increase local pride.

This project effectively demonstrates and showcases steel's advantages as being the material of choice when building the very largest elevated tanks.