

Project Location: Woolstock, Iowa

Project Overview: Repair Concrete Elevator

- An explosion destroyed the concrete head house and all the equipment inside the head house, including the manlift and concrete bucket elevator head sections. The explosion also damaged approximately 50% of the concrete bin walls and concrete roof cap, along with some damage to the receiving pit hopper, boot pit transitions, and a couple of reclaim conveyors in the basement.

Project Services:

- Head House Demolition Plan
- Stabilization of Existing Structure
- Structural Design
- Preliminary - Project Layout Design
- Equipment Sizing and Layout
- Construction Documents
- Construction Observation of Concrete Bin Liners

Photos:



After the explosion



After the explosion



Removing the south concrete wall



The south wall removed



Removing the debris

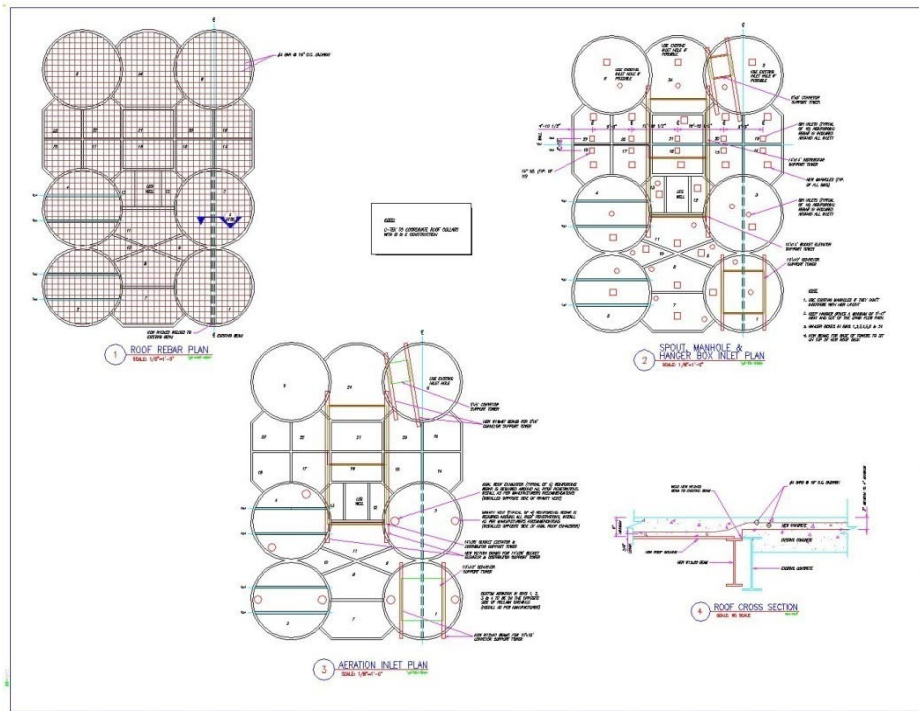


Removing the debris

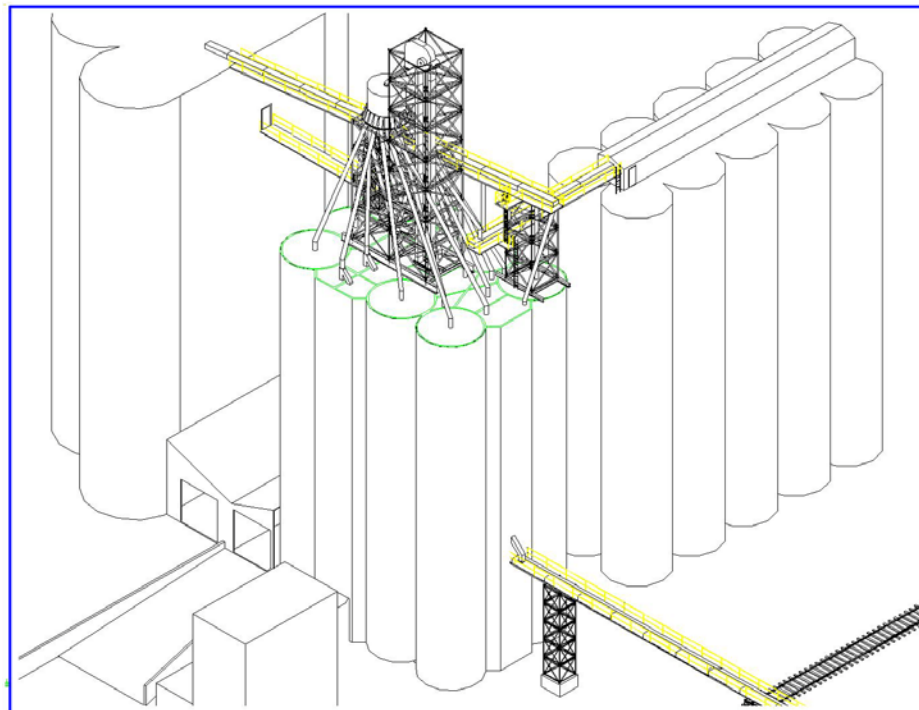


Completed Project.

Drawing Samples:



Repaired concrete bin roof.



Preliminary design layout.