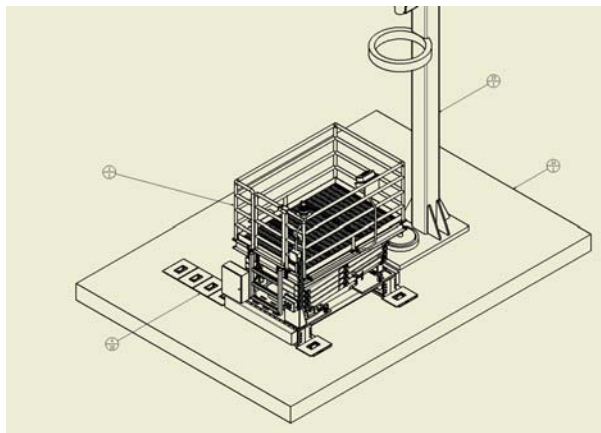


The Man Lift for Nuclear Fuel Bundle Operations for MOX Services

MCE designed and is currently fabricating the MOX Man Lift for MOX Services at the Savannah River facility.

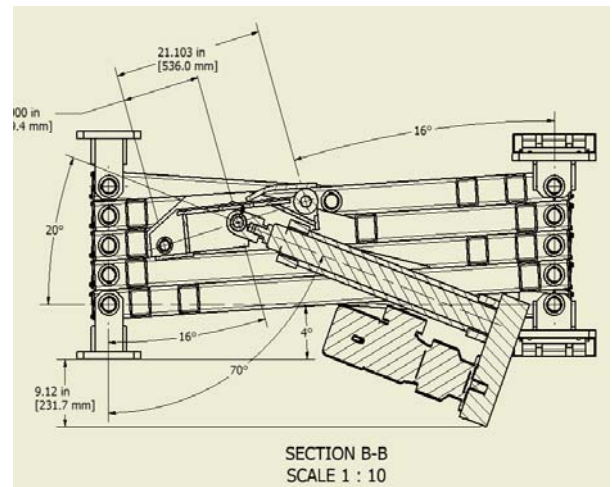


This Lift is required to travel to a clearance position to allow removal of the strong back. MCE was required to use non-hydrogenous fluids for lubrication and due to the rigidity requirements for seismic qualification. The lift uses an electric cylinder capable of 30,000lbf of thrust and will travel 10ft in elevation from the concrete floor. The lift is designed to have a 20 year service life.

MCE is building and testing the lift on a fast-track schedule and will deliver on time and under budget in 2010. This one of a kind custom lift will provide excellent service for operators at the MOX facility.

MCE prepared a conceptual design based on customer constraints and requirements to have an operational lift to facilitate functions on a fuel bundle strong back. The Lift operates on a rail bed track submerged adjacent to the upright strong back.

The Seismic requirements and mobility requirements from the customer added to the complexity of this project. MCE prepared a fully functional 3-D working model, fabrication drawings and provided operations testing documents to the customer for approval prior to the commencement of fabrication.



MOX Services