

SEH – America *Bigfoot I Phase I Project* Vancouver, Washington



Description: The challenge of this project was two fold:

1. Complete the project in a fully operational facility without causing any interference to the existing operations.
2. Complete construction of a project which would normally take 6 months in a 3 month period.

The design of the three story structural steel frame was awarded as part of a sole source design build contract so the steel delivery would not hinder the construction schedule.

A trade contracting strategy was used with all work performed as prime contracts to the client. The work was broken up into the lowest trade level with very few sub-tier contractors.

The demolition and subsequent construction effort was performed using multiple shifts and overtime. Work was performed on a 24/7 basis in order to complete by the established tool delivery date.

The construction was performed without interference to the operation of the facility. A cleanroom environment for the existing operations was maintained using temporary walls and cleanroom protocol procedures.

The first silicon ingots were successfully grown during the month of January.

Services: Construction Management Services

Construction Cost: \$7,500,000.00

Total Installed Cost: \$48,000,000, (including construction, process tool & installation)

Number of Trade Contractors:	20 Trade Contracts were awarded
Original Schedule: Design	June 2004 thru July 2004
Construction	July 2004 thru December 2004
Install Tools	December 2004 thru May 2005 (8 tools)
Steel Design Arch & MEP	July 2004 thru August 2004 Design October 2004 thru November 2004
Construction	October 2004 thru December 2004
Install Tools	December 2004 thru May 2005 (11 tools)