

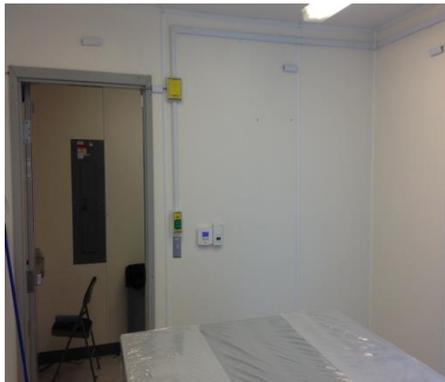
Laser Work Update & Schedule

Zhi Zhao

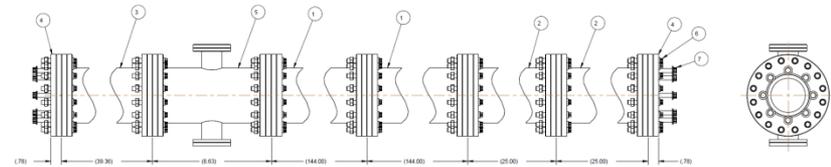
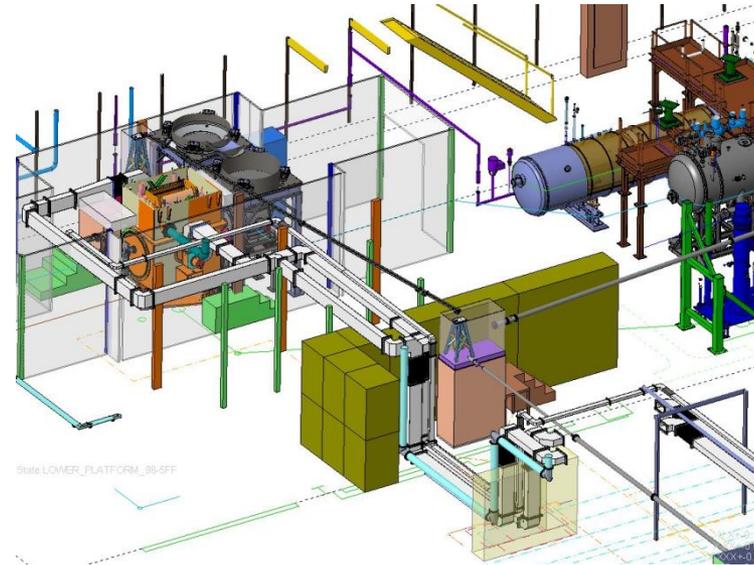
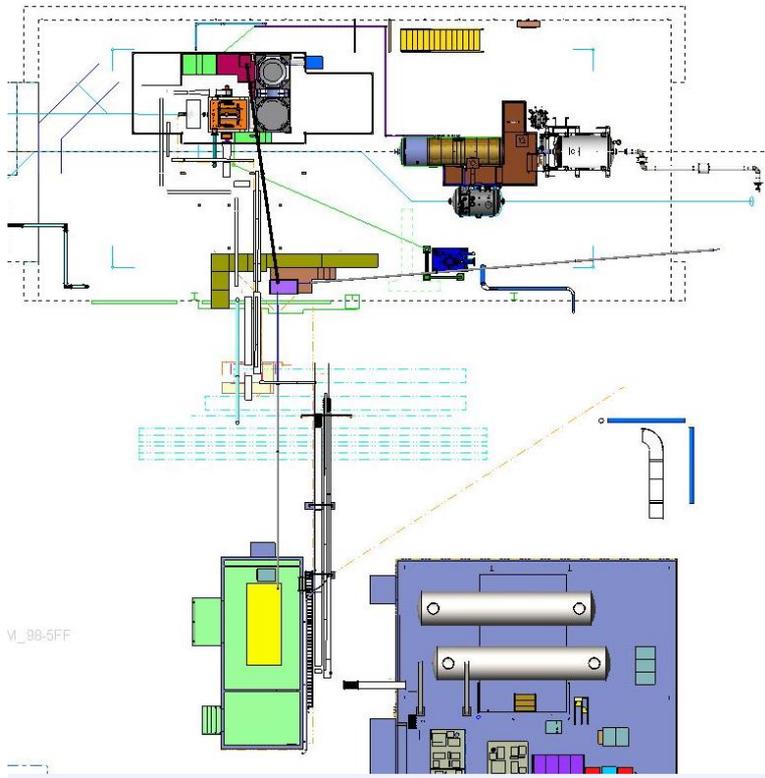
Oct. 20, 2016

Laser Trailer

- Optical tables is IN!
- IT network
- Electricity around the table
- Electricity for the chillers
- Electricity for the shelf
- 2-layer shelf for the table
- One shelf on the corner
- One shelf on the top of chiller
- Hole for water pipes

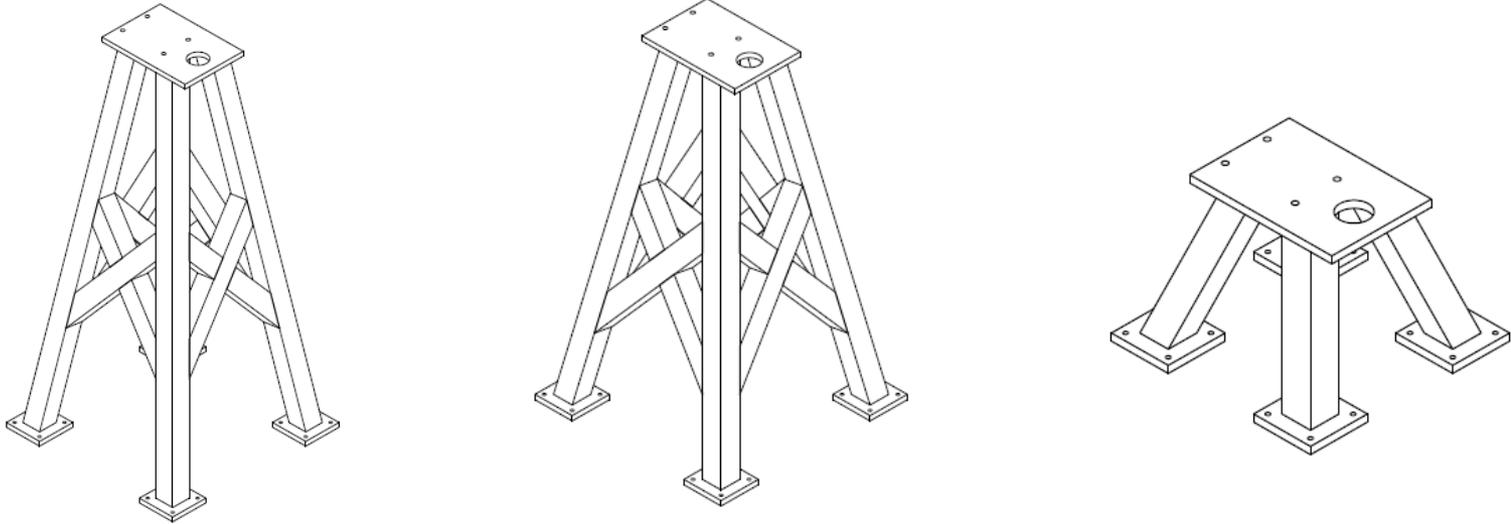


Laser Transport with Support Stands



- Relay and Lego tables: installation
- Concrete support and shield block
- Vacuum pipe & support for LEReC & CeC
- Walls for the tables

Stands for Laser Mirror



- **Stands for gun table, relay table, and laser trailer**
- **Material order**
- **Finalized: this or next week?**

Laser Transport - Final Check

- Three optical tables: 5x12x2 ft³, 2x4x4" ft², 4x6x1 (4") ft³ & extension (next year)
- Concrete supports for the Lego and Relay tables
- View window, flange, vacuum pipe, and mechanical support
- Mirrors, lens, & position feedback
- Stands for laser beam
- Walls for laser tables
- Cable feedthroughs
- A hole for vacuum pipe ?
- Schedule?

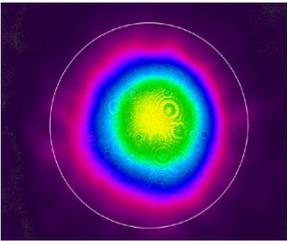
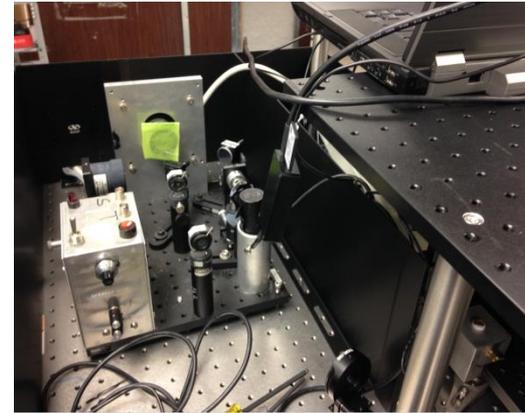
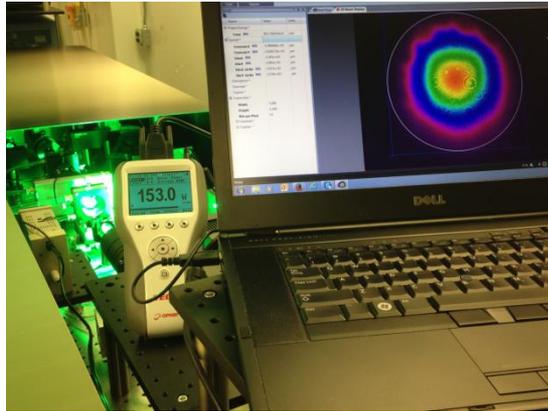


Laser Shaping & Cross-correlator

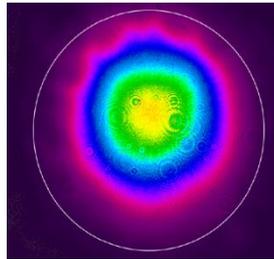


- Motion/rotation control
- Laser spatial shaping
- Setup for gun table
- Cross-correlator

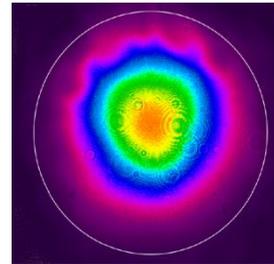
Fiber Laser Update



180W



220W



240W

- IR: 250W & Green: 150W
- Finish test: around weekend
- Two pulse pickers
- Start moving next week