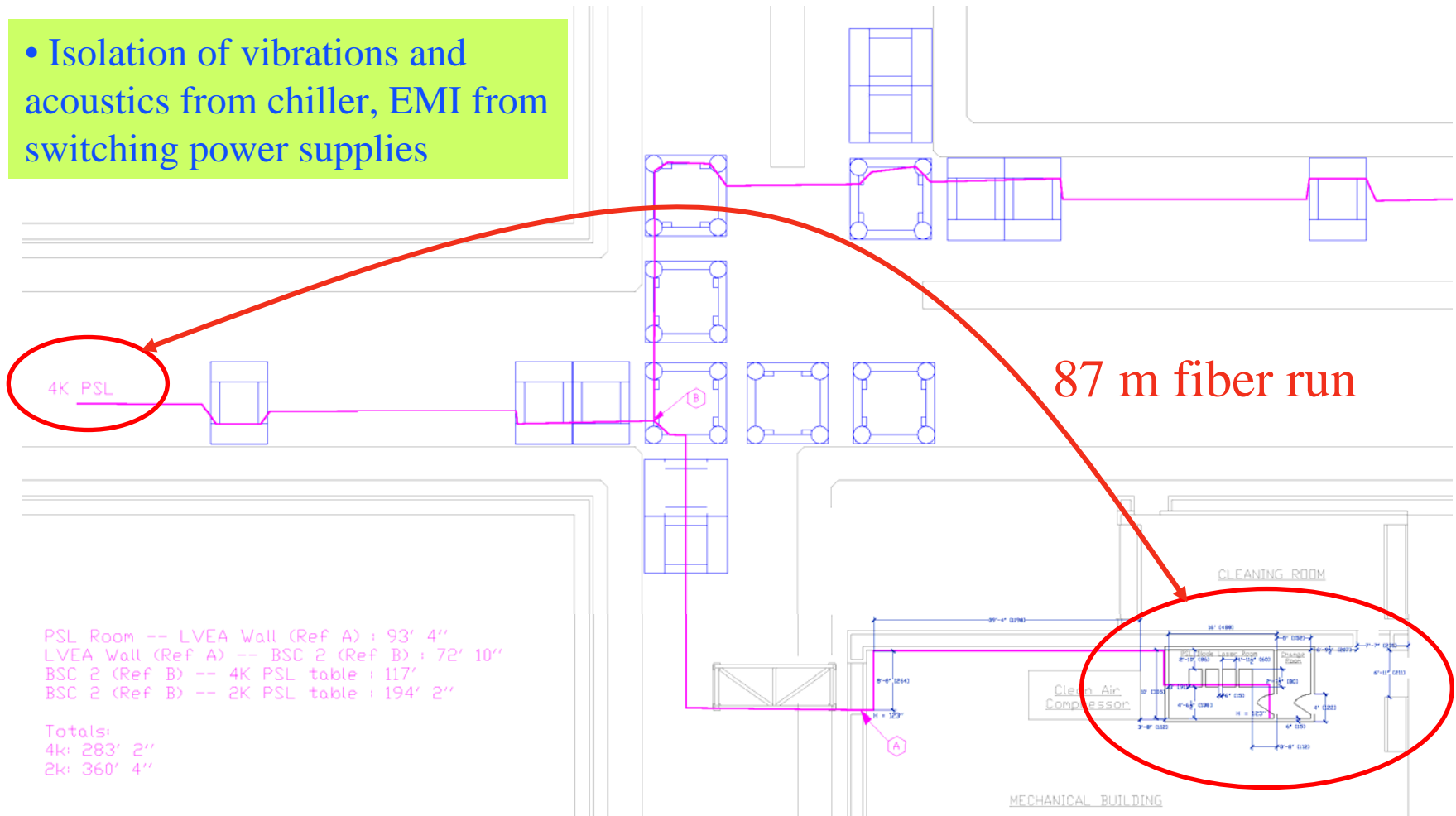


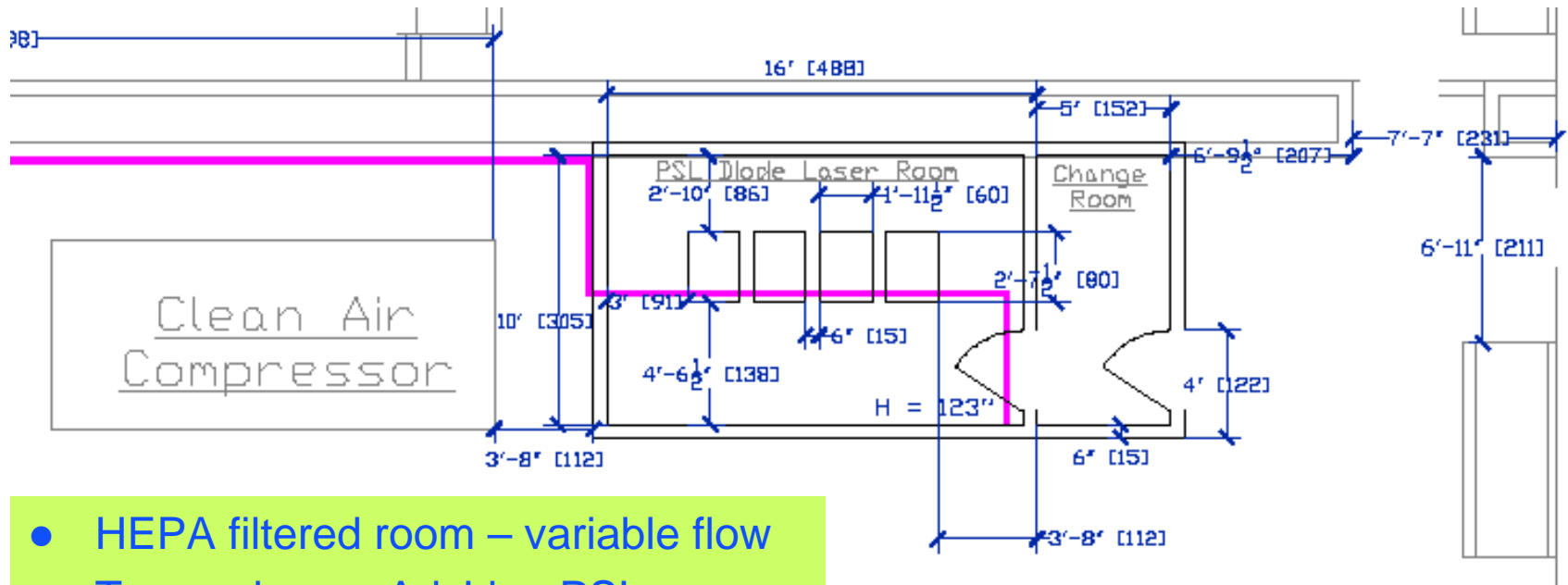
eLigo PSL laser diode room strawman design

Rick Savage, Anamaria Effler, Peter King

- Isolation of vibrations and acoustics from chiller, EMI from switching power supplies

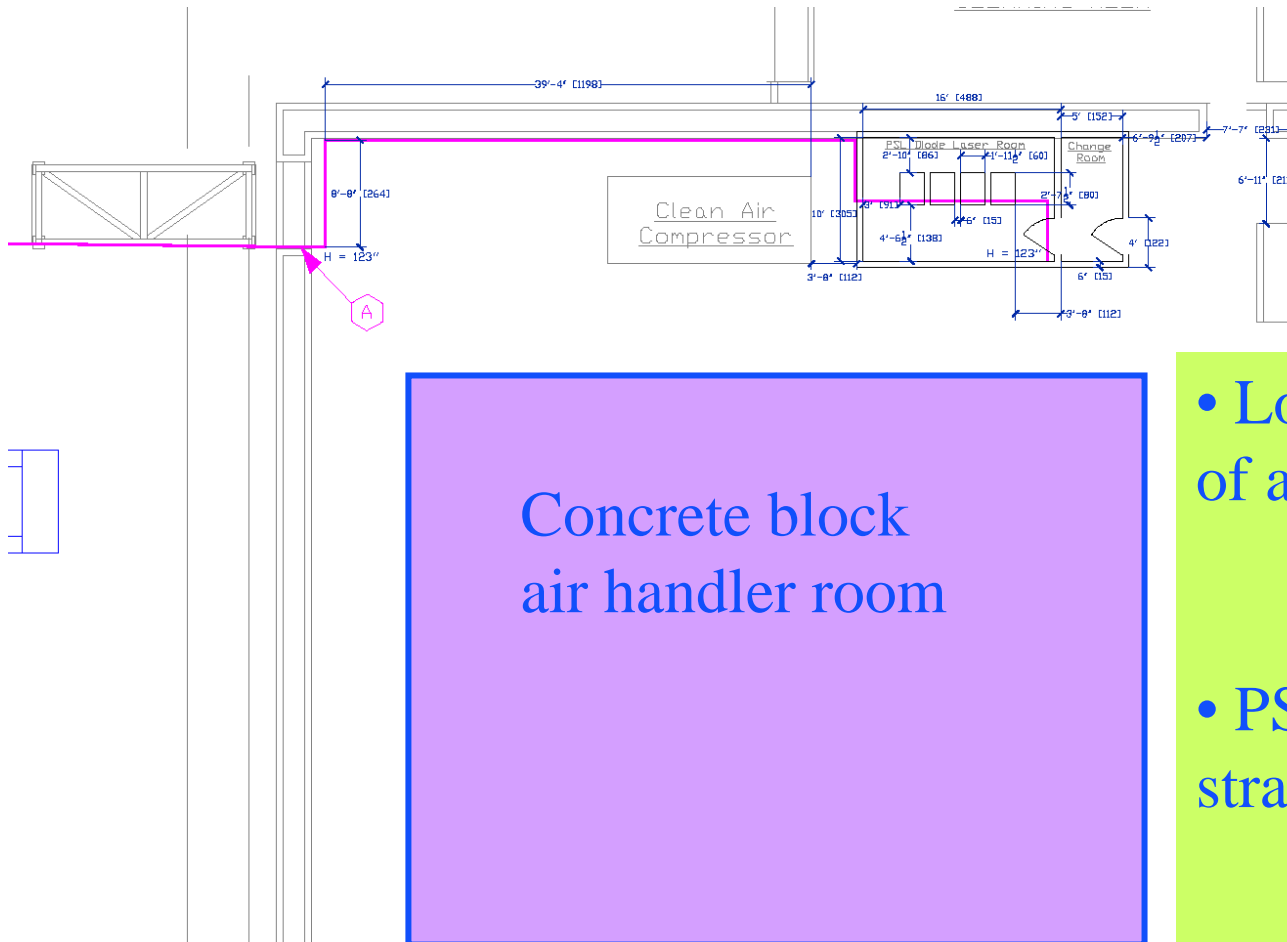


Diode room detail (LHO)



- HEPA filtered room – variable flow
- Two racks per AdvLigo PSL
- Portable HEPA panel for pump diode box maintenance
- Ante room for gowning/laser safety

- Fibers and cables in overhead tray
- Video/phone/network connections
- Room temperature monitor
- Dust monitor
- Smoke detector –control room alarm



Concrete block
air handler room

- Locate chillers on top of air handler structure?
 - One or two chillers?
- PSL head cooling strategy?
 - investigations underway in Hanover