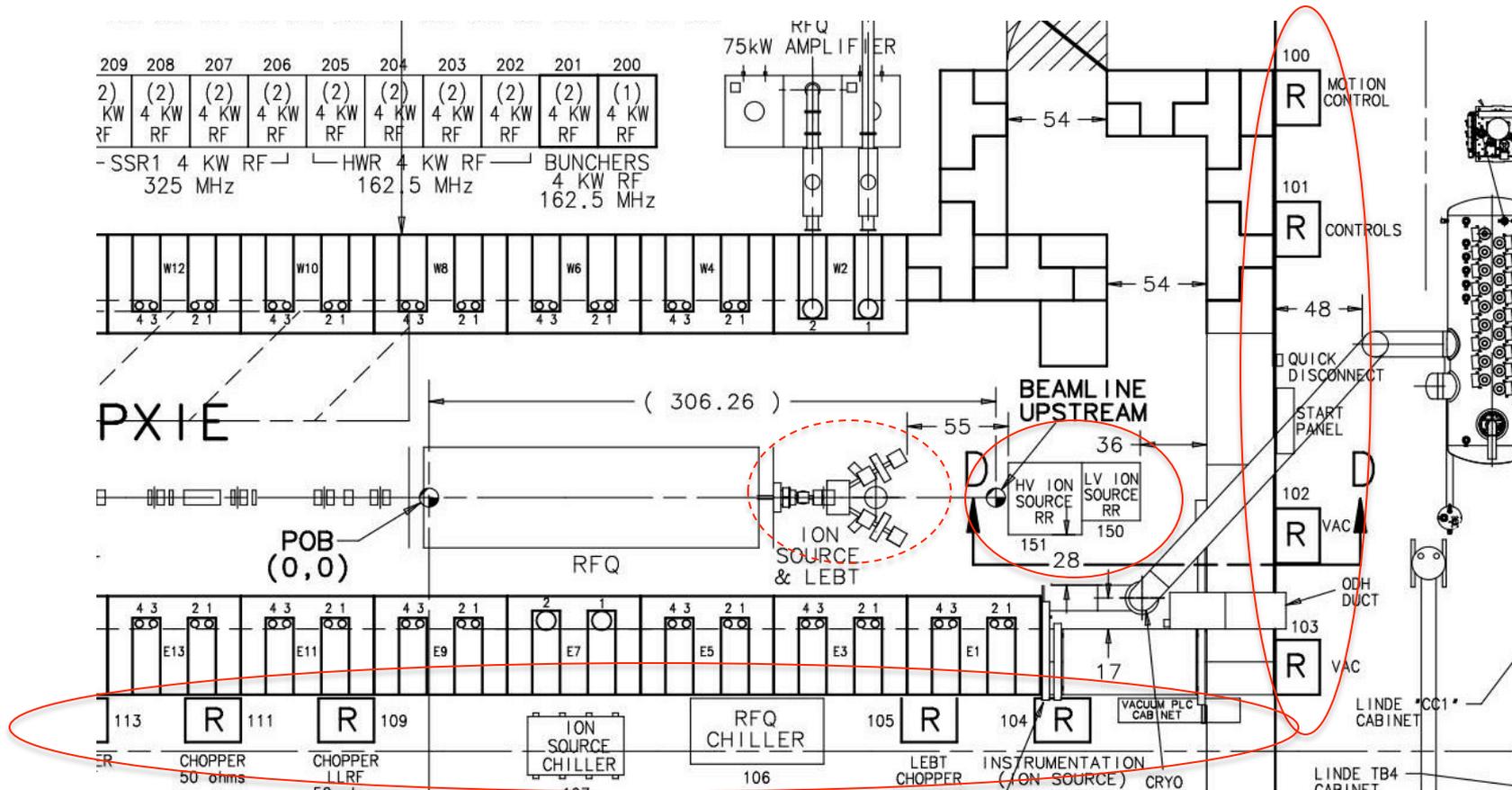


PXIE Infrastructure Update

Jerry Leibfritz
August 20, 2013





- Cave
 - Walls and penetration blocks of first half of cave are constructed and painted
 - Radiation Safety has approved current design/plans
 - Cryo pipe routing and ODH ventilation are still being worked on
 - Layout of all subsystems is continually evolving (3-D model being developed in TD)
 - Ion Source LV and HV power supply racks are in place
- Electrical
 - L.E. racks, tray, and control cabinets are installed (North and East side of cave)
 - Power distribution for racks, ion source, and cave power/lighting is underway
 - Delayed due to Cryoplant priority
- Water
 - Ordered pumps, HX, and O2 removal system for LCW cooling system
 - Chiller for LCW system is ready to be ordered, if end of year money available??
 - Chilled water lines being run from NML to temp. chiller for RF system
- Other
 - Control Room offices, network, power, and phones are installed
 - Control consoles being specified (will order if end of year money available?)
 - Superfluid Cryoplant installed and undergoing pre-commissioning
 - Mezzanine racks acquired from MCR surplus and located in place





Chiller Lines from NML



Racks on Mezzanine



Office Area/Control Room



Superfluid Cryoplat