Gate Valve Removal and Team-line Venting

Vent team-line steps:

1. Turn off lower dipole ion gauge.
2. In S800 Val panel mate, close gate valve between intermediate and lower dipoles.
3. Where it says “Good vacuum”, click and begin the venting procedure.
5. Check that pressure on I226PG Beam Chamber is not decreasing.
   Lit red light is not on, gate valve is NOT closed! Check panel mate.
7. If everything is correct. Open needle valve.
8. Wait by needle valve, watching pressure gauges, when I266PG hits ~750, and ΩE gauge ~0, close needle valve after gate removal.

Gate Valve Removal:

Gate valve is heavy, ensure that chain fall and hook are set up to support gate valve.

Ensure that beam line is vented. Leave gate valve closed.

- Remove bellows first, 2 person-job, one on each side.
- Hook chain fall to gate valve. We used a spring, this may or may not be necessary.
- Remove slack from chain fall.
- STOP. Find the place you will set down gate valve and make sure you have a clear path to it.
- Disconnect switch from gate valve.
- Disconnect airline at the point where the tube plugs into supply pipe (above platform).
- Have 2 people for unscrewing, one for support.
- Loosen bolts, starting from the bottom. Leave top 1 or 2 tight.
- Remove bolts except for top 1 or 2
- At this step, remove last bolts.
- Lift gate valve to remove from chain fall hook.
- Move gate valve to safe location.