

TECHNICAL NOTE **WORK REQUEST NO: 17407**

Change PLC logic at PAR mezzanine to implement new pressure control logic requested by RF Group for protection of linac klystron components. Install wiring between PLC and Johnson Controls hub to incorporate logic in start/stop circuit for pump P-PRKLY (P-102).

Engineer: R. Dortwegt

Chief Technician: R. Ferry (work supervisor)

Radiation Safety System: no

Red tag: no

When performing this work:

1. No work shall until the engineer and chief technician have discussed the work.
2. Perform LOTO on pumps P-102 (linac gallery) and P-103 (standby).
3. A 2-wire cable must be installed between the PLC and Johnson Controls equipment on the PAR mezzanine. The cable must be approved by Rick Putnam. The conduit to be use (existing) shall be chosen jointly by Rich Ferry and Rick Putnam.
4. Installation of the cable and termination of both ends of the cable will be done by ME Group personnel. Wiring to be done per instructions from R. Putnam, R. Ferry and Johnson Controls personnel. There must be no exposed 120VAC wiring in the cabinet when making these connections. If there is exposed wiring in the Johnson panel, it will be necessary to power the panel down.
5. Johnson Controls and ME Group personnel will work simultaneously to commission the software once both new programs are downloaded.