

X7A CHECK-LIST

Signed _____

Date _____

ITEMS 4-15 ARE NUMBERED ON DIAGRAM BELOW

1. **Padlocks.** Valid padlock check-list must be posted under green emergency board.
2. **Front-end vacuum.** Front-end vacuum should read 2×10^{-9} torr or better.
3. **Downstream vacuum.** Check status lights for pump #7A-2 on cross-over panel by saw-tooth wall. This pump is downstream of water-cooled Be window in hutch. Pump should be on and green lights showing.
4. **Shielding.** Bremsstrahlung shield #1 (see photo).
5. **Bellows.** 1/32 in. lead cover in place.
6. **Valve.** In-line valve open, Kirk key in transfer box.
7. **Window.** Observation window on slit assembly covered with lead glass, hose clamps in place.
8. **Shielding.** Bremsstrahlung shield #2 (see photo).
9. **Bellows.** 1/32 in. lead cover in place.
10. **Window.** Observation windows on instrument-T covered with 1/32 in. lead.
11. **Bellows.** 1/32 in. lead cover in place.
12. **Shielding.** Bremsstrahlung shield #3 (see photo).
13. **Window.** Observation window on slit assembly covered with 1/32 in. lead, hose clamps in place.
14. **Be window.** He cover gas for second Be window in hutch should be flowing through bubbler.
15. **Beam stop.** Lead beam stop in hutch in place (see photo).

