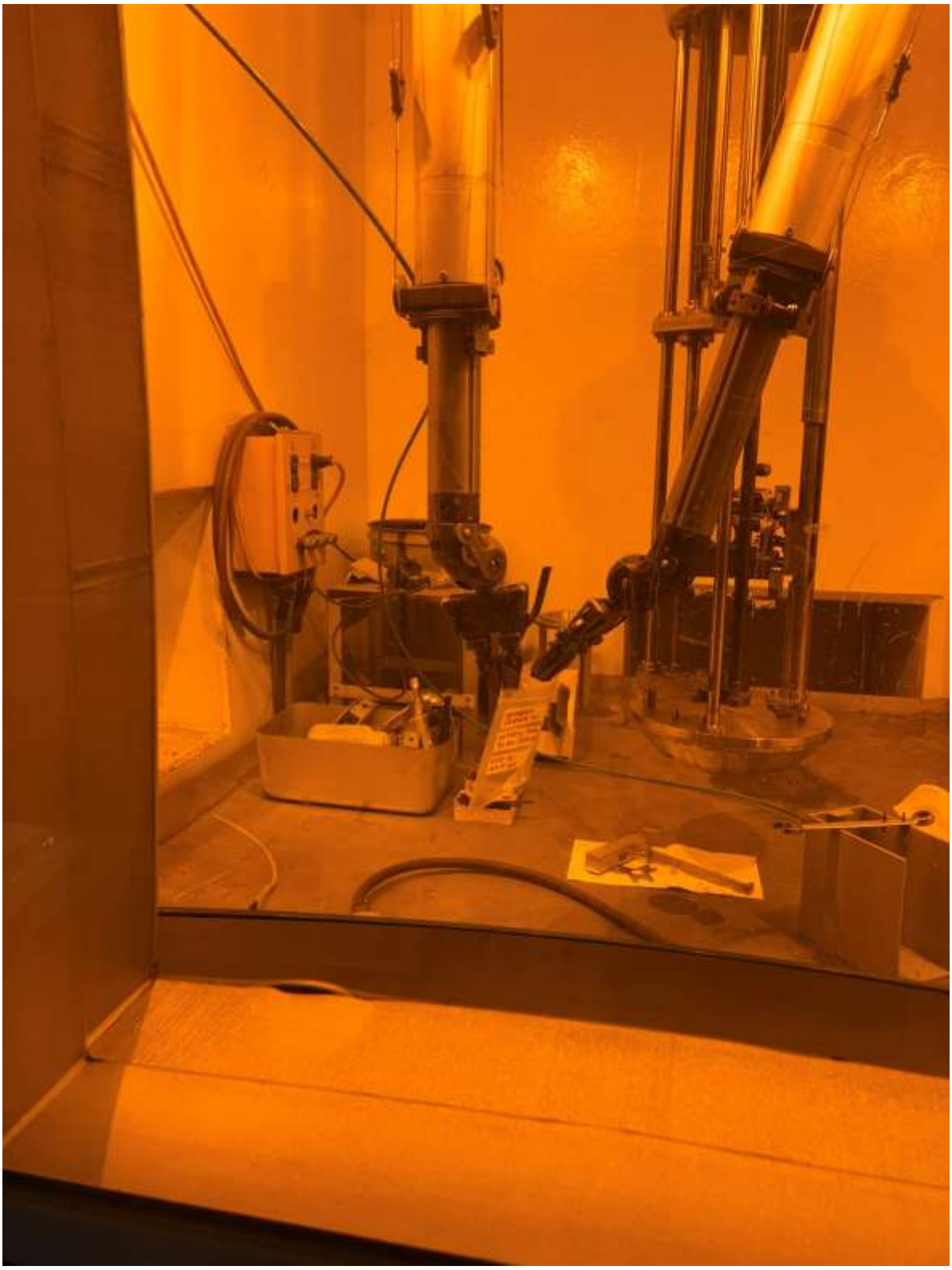
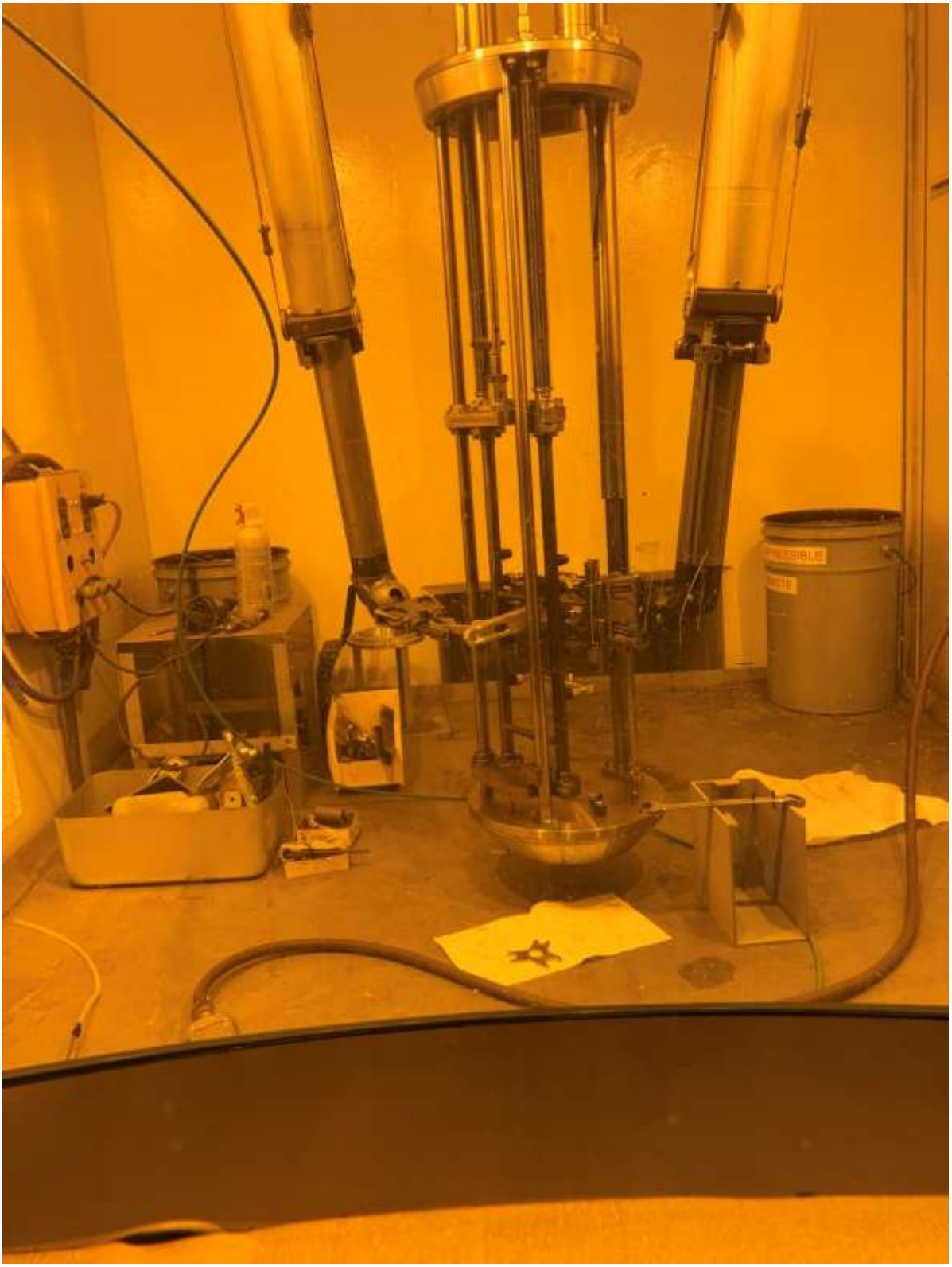


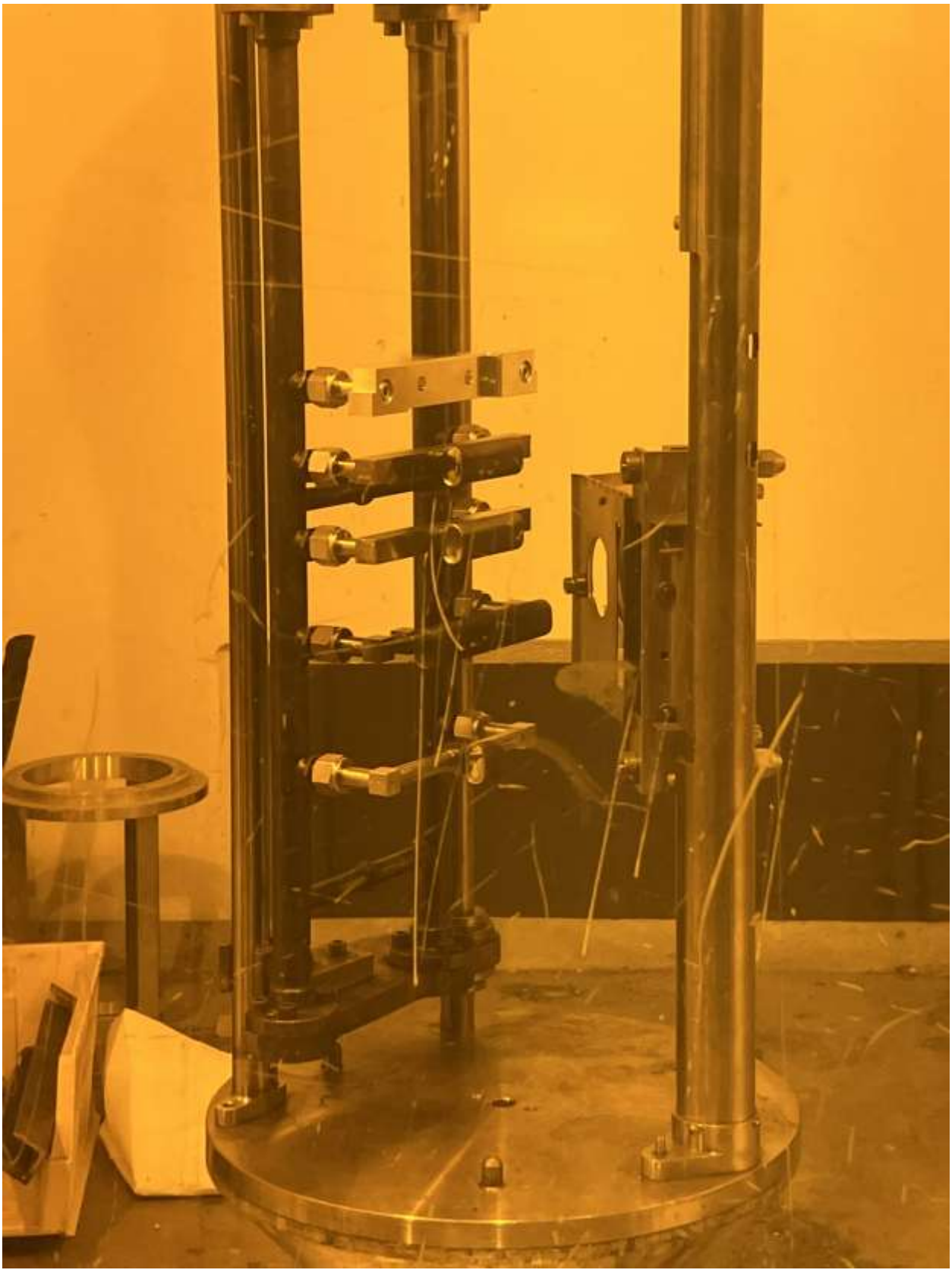
Bagging the graphite chips.

Use random plate to catch Swagelok plug and prevent damage to profile monitor.



Gently hammering out target in position 3 (SER#301) on T2-MK1

Checking Swagelok nut tightening with gap inspection gauge.



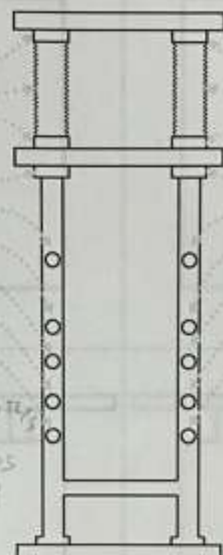
Leak test date: April 02, 2025 | time 2 fine : 30s | time to 1e-3T

Bellows, fittings, welds, joints (position ladder toward hot cell window - Fig.16):

Loc. ID	Leak rate (Torr-l/sec)	Delay* (sec)	Loc. ID	Leak rate (Torr-l/sec)	Delay* (sec)
1a	—	—	1b	—	—
2a	—	—	2b	1.2e-9	3s
3a	—	—	3b	2.5e-9	2s
4a**	—	—	4b**	—	—
5a	3.~~6e~~-10	~~20~~	5b	—	—
6a	—	—	6b	—	—
7a	—	—	7b	—	—
8a	—	—	8b	—	—
9a	—	—	9b	—	—

long delay b/c register → also long response duration.

← there is a kinked part of the bellows.



Baseline leak rate: 0.0e-10 T·l/s

He dose (psi & sec): 3 x 0.5s

Notes: initially bottom out @ 3e-3 Torr and 2.5e-8 T-l/s after some tightening for pos 3+5 → eventually got to 0.0e-10 T-l/s and 1e-3 T

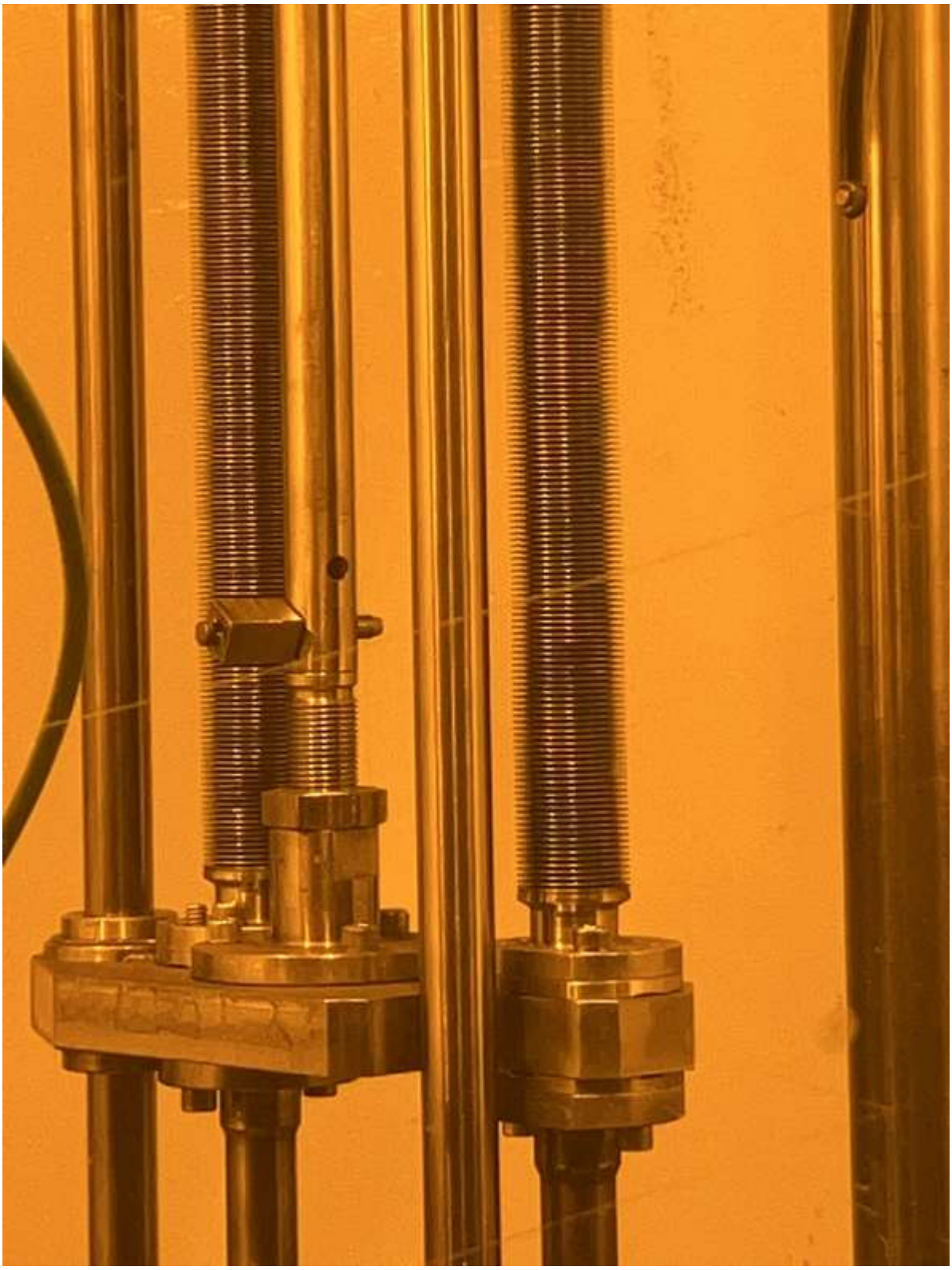
*Duration since He release to when the leak rate is first detected (if detected).

**These joints may be welded in some target ladders. No check necessary if so.

Target welded/brazed joints (position ladder toward hot cell window - Fig.16):

Tgt. pos.	Leak rate (Torr-l/sec) / total duration (sec) at: left-side joint(s)	left beam window	right beam window	right-side joint(s)
5				
4				
3				
2				
1				


0 1 2 3 4 5 6 7 8 9 10
-10
0.0E-10 Torr-l/sec
T.P. PRESSURE: 1.0E-03 Torr
FINE TEST
CONTROL PANEL
ZERO
MENUS
TEST
VENT



‘Ding’ in right bellows when ladder is rotated closer toward the hot cell window.