

LIGO HANFORD VACUUM SYSTEM

Hanford Checklist - BSC Door Removal

This checklist provides instructions for the removal of a BSC door. The door must be removed only in a class 100 clean room. Clean room practices and attire apply.

CAUTION: The BSC door weighs approximately 600 pounds

Prerequisites

- A Site Work Permit **must** be obtained before this procedure can be performed, and requires the use of at least four individuals.
- Steel-toed boots are required.
- Valves must be locked out. All valves that interface the vented volume of the BSC in question with the vacuum volume(s) (which will remain under vacuum during this procedure) must be locked out. Use Lockout/Tagout Checklist, LIGO-M980092-00-M.
- Operators of the crane must be certified to operate these devices. Consult with the site safety officer if not certain of their qualification status (see LIGO-M980094-00-M).

Door Removal

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| 1. Ensure that the volume is vented. | _____ |
| 2. Isolate the annulus ion pumps. | _____ |
| 4. Check for protective covers on the optical ports. | _____ |
| 5. Ensure that clean pads are available for the laydown. | _____ |
| 6. Remove all but four door bolts. | _____ |
| 7. Ensure that the purge gas is on. | _____ |
| 8. Install the lifting ring on the 4 Ton engine hoist. | _____ |
| 9. Position the hoist and take load. | _____ |
| 10. Once the load is on the hoist, remove the remaining bolts. | _____ |
| 11. Roll the hoist and door away from the BSC flange. | _____ |
| 12. Cover the door interior and the BSC port if required. | _____ |
| 13. Roll the hoist out of the clean room. | _____ |
| 14. Transfer the load to crane. | _____ |
| 15. During the laydown keep the crane line vertical. Lay the door down. | _____ |
| 16. Disconnect the crane. | _____ |

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