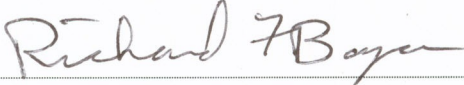

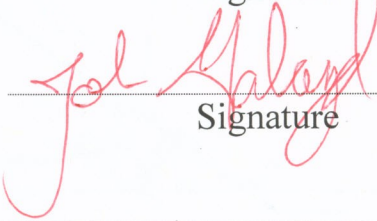


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| LCLS Engineering Specification Document # 1.2 - 116 | Injector | Revision 0 |
| <u>LCLS Injector PPS Stopper</u> | | |
| Richard F. Boyce (Author) |  Signature | 7 Feb 2005 Date |
| Eric Bong (System Manager) |  Signature | 12/3/04 Date |
| John Galayda (Project Director) |  Signature | 4/1/2005 Date |

Brief Summary: This specification describes the injector current monitor.

Keywords: PPS, stopper, dump, injector

Key WBS#'s: 1.2.8.8

The PPS Stopper is a safety device and part of the Personnel Protection System. It is 14 meters from the gun cathode. It must be remotely activated to position it in or out of the beam path. It shall have microswitches to indicate its positions in and out of the beam path. The “stopper” is a copper slug which is 3 inches in diameter and 4 inches long. The calculations by the Radiation Physics group is described in the memo from Stan Mao to David Dowell called “LCLS-injector PPS stopper” dated October 20, 2003.

