

Note: Spreadsheet of electrical safety items from the Electrical Safety Officer Perry Anthony.
 from email to Keith Jobe Wed, 27 Apr 2005 14:28:13

Items from NLCTA electrical safety walk through. Bolded items require mitigation before turn on.
 Unbolded items require mitigation by August 1, 2005.

Note: Instrumentation racks were sampled, similar problems may exist in other racks, facility management should inspect all racks
 for similar problems and correct/mitigate.

B128 -Control Room	Outlet 2p-128A	Outlet cover not attached, outlet loose.
facility wide	fire extinguishers	monthly inspection tag not being filled out
Workarea next control room	water stored in work area with hazardous materials (solder)	water moved to kitchen/conference room
B062-66 B062-51	Kicker Plused Charge Control Attenuator control	open hole in breaker panel possible exposed 110, needs cover; note not currently plugged in, fix before use.
b062-45 facility wide B062-24-16 "Extended Beam Area"	AC cord subject to damage validation of Equipment Lockout Procedures Quad power supplies din rail power supply	need to keep cord above door Lock/secure doors exposed 110, also need strain relief
"Extended Beam Area"	Grounding to conduit	At SLAC conduits are not used for equipment grounding, no program to ensure long term integrity of that grounding path
"Extended Beam Area"	Conduit to 62A	Conduit crushed, may have damaged cables inside
"Tall" clean room	Hazardous AC connection to "Consumable Collimeter", exposed 110AC	Corrected in field by removing AC connection (note, was not actually powered, just bad design)
"Tall" clean room facility wide	Structure not tied to building ground Hazardous Chemical Storage	storage of hazardous/flammable materials may not follow SLAC policies, check with ES&H
"short" clean room "short" clean room 8-pack	Flexible cord violation -- power to clean room Structure not tied to building ground flexible cord violation?	Need to relook to see what this was, may no longer exist.
8-pack E163 installation	daisy-chained extension cord tray dividers not continuous	corrected in field. sharp edges -- possible damage to cables when installed; not keeping mandatory seperation between cable types
NLCTA roof	BSOIC 110VAC not protected from damage (note, this is a SLAC wide concern, may need training/memo to raise awarness and get corrected)	
E163 Laser room	improper attachment of ground wire to electrical conduit, attach to building instead.	
E163 Laser room E163 Laser room B062	Ensure hut bonded to B062 building ground Bond laser tables to building ground Building ground issue	Evaluate building grounds including RY substation, B062 substation, NLCTA to ensure adaquacy of bonding.