

Addendum to Electrical Demolition Procedure for SLAC for “Dark” facilities

Purpose for this Addendum:

To allow cutting of electrical cables and/or conduits in a “Dark” facility without the requirement for painting locations to be cut as defined in the Electrical Demolition Procedure for SLAC, dated 6/7/06.

If a structure has been physically isolated from all sources of electrical power (utilities, signal/power cables to equipment, etc.) -- so called "dark" facility -- as certified by SLAC CEF Electricians and the SLAC ESO, then demolition can proceed without additional marking for cuts subject to the following conditions:

1. Demolition involves no penetration or cuts into adjacent non-certified "dark" areas (e.g. wall separating structure to be demolished from structures being preserved).
2. Temporary power cords run into the work area to support demolition must be uniquely marked to distinguish them from wiring to be demolished.
3. Everyone involved in the demolition is walked around the boundaries of the demolition area and is made aware that no penetrations or cuts are allowed outside that area.

Dark Facility – a structure that has all sources of electrical power physically isolated and is visually verifiable. Physical isolation of a conduit or cable is accomplished by cutting away a section of conduit such that a layperson can visually verify that all sources of power have been removed.

Procedure to establish a Dark facility for the purpose of demolition

1. Project Manager and/or UTR to request a Dark facility designation by submitting a CEF Service Request. Service Request Tracking No. _____
Building/Structure _____ Date _____
2. SLAC assigned CEF Electrician(s) will evaluate structure. PM/UTR and CEF Electrician will coordinate work processes to isolate all sources of power.
3. SLAC CEF Electrician will certify all sources of electrical power have been isolated.
Name _____ Date _____
4. SLAC Electrical Safety Officer (or designee) will certify all sources of electrical power have been isolated
Name _____ Date _____
5. PM/UTR will instruct staff and/or subcontractor in meaning of a dark facility
6. Subcontractor will include these elements in their JSA:
 - a. Visual verification of isolated sources of power
 - b. Dark facility boundaries identified and shown to all workers
 - c. No cutting outside of the Dark facility boundaries
 - d. Temporary power cords to be uniquely identified