

INSTALLING STORAGE BATTERIES

ON SHOCK ISOLATED PLATFORMS

1. GENERAL

1.1 The purpose of this TM is to provide a method for protecting batteries while they are being installed on shock isolated battery stands. Since the Battery Hoist has limited access to the front of the stand due to the hoist feet being blocked by the shock isolators, the batteries must be hoisted onto the shelf at the few positions where the hoist can gain access to the shelf. The batteries should then be loaded at this position and slid along the battery shelf to their final location. Since the bottom of the battery can be scratched any time they are slid, the procedure outlined below should be followed:

2. TOOLS AND MATERIAL

R-2667 Hoist
R-3437 Strap, Battery Lifting
R-3731 Sheet, Polyethylene Compound (Ordering No. 233731)

Talc Obtain Locally

3. ACTION TO BE TAKEN

3.1 Depending on the battery being hoisted and the particular battery shelf being loaded, it may be possible to place the battery directly on the battery shelf using the R-3437 Battery Lifting Strap. If not, use the battery strap to hoist the battery onto a three position stool. Then slide the battery from the stool back onto the shelf of the battery hoist and raise to the necessary shelf height. The battery should then be slid from the hoist shelf to the battery shelf.

3.2 In order to protect the battery from damaging scratches during sliding operations, place under the battery a length of R-3431 polyethylene compound sheet (same material used to cover the battery shelf). Fold the ends up around the cell and tie in place with twine. The sliding surface will then be the polyethylene compound sheet tied on the battery, rather than the battery bottom itself. Spreading talc on the sliding surface will ease the sliding operation. DO NOT SLIDE THE CELLS WITHOUT THIS PROTECTION AS THE PLASTIC CELLS MAY BE SCRATCHED BEYOND REPAIR.

3.3 Where there are several rows of battery stands next to one another, the hoist access to the front of the stand is further limited due to narrow aisles. The installer should attempt to avoid this situation by completely loading one stand before establishing a restricted aisle by erecting the next stand.

4. DISPOSITION OF EXPENSE

4.1 The work outlined above shall be considered a normal job operation and should not be reported for the issuance of a supplementary estimate.

R. W. HILLEGAS

Superintendent, Installation Engineering

DISTRIBUTION

- 1 Copy to Field Holders of the Installation Handbook 18
- 1 Copy to Assistant Superintendents, Service - Field (Installation)
- 3 Copies to Installation Area Managers
- 1 Copy to District Superintendents
- 1 Copy to Area Supervisors
- 1 Copy to Department Chiefs, Technical Coordination
- 10 Copies each to Assistant Superintendent, Field Service,
Hawthorne and Kearny
- 10 Copies each to Regional Assistant Superintendent, Scheduling and Service