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~~SECURITY INFORMATION~~

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C. L. Coray

H. L. Dietze REPOSITORY NATIONAL ARCHIVES
PACIFIC SOUTHWEST REGION **Butler Type Buildings - CRR Area, Elmer.**

COLLECTION RG 326 ATOMIC ENERGY COMMISSION

6 October 1953

BOX No. 199624 (#608) A16334 326-65V0170

ELMER GENERAL

FOLDER JOB 834 PROJECT ENGINEERING FILE

Gen Clark

RAS

In a memorandum dated September 17th, Mr. S. P. Howell requested that an inspection and a report be made to determine the extent of deterioration of the siding on the subject buildings.

Mr. H. L. Jones and Mr. Harry Colson inspected these buildings, including the Power House, Bldg. 339. At Building 339 a definite corrosive action has taken place at the point of contact between the aluminum siding (or roofing) and the steel bolts fastening the siding to the steel framework, particularly on the east (weather) side of the building. This corrosion has also occurred where the siding comes in contact with the steel girts. It appears to be the result of an electrolytic action taking place between the aluminum and steel.

The corrosive action has been prevented by dusting a heavy black mastic over all leaks in the siding on the weather side of the buildings.

To prevent such electrolysis in future designs, it is recommended that aluminum bolts with fiber washers be used to fasten aluminum siding to steel frame work. Also aluminum siding should be insulated from the steel frame by the insertion of a 15 pound roofing felt (or equal) at point of contact between metals, i.e., along the outer face of building girt that receives the siding.

The Butler buildings in the CRR area were all found to be in good condition.

H. L. Dietze

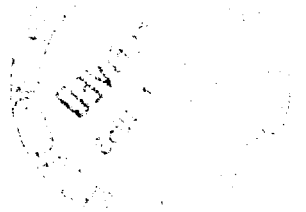
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H. L. Dietze,
Resident Engineer.

- HL:dlw
- cc: S. P. Howell
- David Karver, Jr. ✓
- E. Jaffcoet
- W. H. Deanes
- OS Chrono
- OS Central
- OS Engineering.

| DEPARTMENT OF ENERGY DECLASSIFICATION REVIEW | |
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| REVIEW AUTHORIZED BY <i>AAS/ISS/ALL 7/23/94</i> | DETERMINATION (CIRCLE NUMBER(S)) 1. CLASSIFICATION RETAINED 2. CLASSIFICATION CHANGED TO: 3. CONTAINS NO DOE CLASSIFIED INFO 4. COORDINATE WITH: 5. CLASSIFICATION CANCELLED 6. CLASSIFIED INFO BRACKETED |
| REVIEWED (BY) <i>MD/Summa</i> | |
| NAME <i>MD/Summa</i> | |
| DATE <i>7/28/94</i> | |

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By J. ... take care by corrosion of the bolts