

SCHEFF & NARVER, Inc. 406311

TO: D. C. Van Dine

FROM: David L. Narver, Jr.

November 14, 1953

Reference AEC Resident Engineer's Letter EN-1728 dated November 11, 1953 to the site.

1. Station 2300-Peter

- a. Wall is intended to be monolithic with adjoining walls. Drawing (SND-DF-3, d-10) indicates typical steel components at a wall intersection.
- b. The curtain of steel not interrupted by the notches at the top of the wall should have been shown as extending into the second floor slab. While usual construction practice would preclude this extension, its omission is not significant structurally, since the second floor slab has been designed to span between side walls and the position of the wall in question will readily span across the gap.
- c. The purpose of the 1" preformed light filler under this wall is to prevent transmission of any great amount of vertical load from the floor to the wall.
- d. The A-30' bars specified require bar lengths varying from 17' diameter to 23' diameter, depending on the concrete and steel strengths whether or not the top bars. The 30' diameter top bars are considered to be of over because of the severe type of loading on the structure.

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1. Station 2300-Part 1 (cont'd)

e. Drawing 2377-001 does not apply at Station 2300. However, the dimensional offset of result is negligible when the outside diameter does not exceed one-third of the thickness of the wall or slab in which it is embedded.

2. Limonite Concrete at Stations 1341, 1342 and 2300

The original estimate submitted to the users of Stations 1341 and 1342 indicated the limonite concrete projecting into the core concrete foundation. As the distance of projection varied from station, it was necessary to refer the value back to 1-1 for a minimum acceptable dimension. The foundation value was 1/4". It would have been to indicate a concrete slab safe from a structural standpoint. If this value had been 1/2" because the foundation design involved two types of concrete having different strengths. The final estimate for Station 1341 (and 1342) was that they were to be just like Station 1342. Subsequent criteria changes have made the difference with the 1/4".

DLNjr:ca*

David L. Harver, Jr.
 Chief Project Engineer