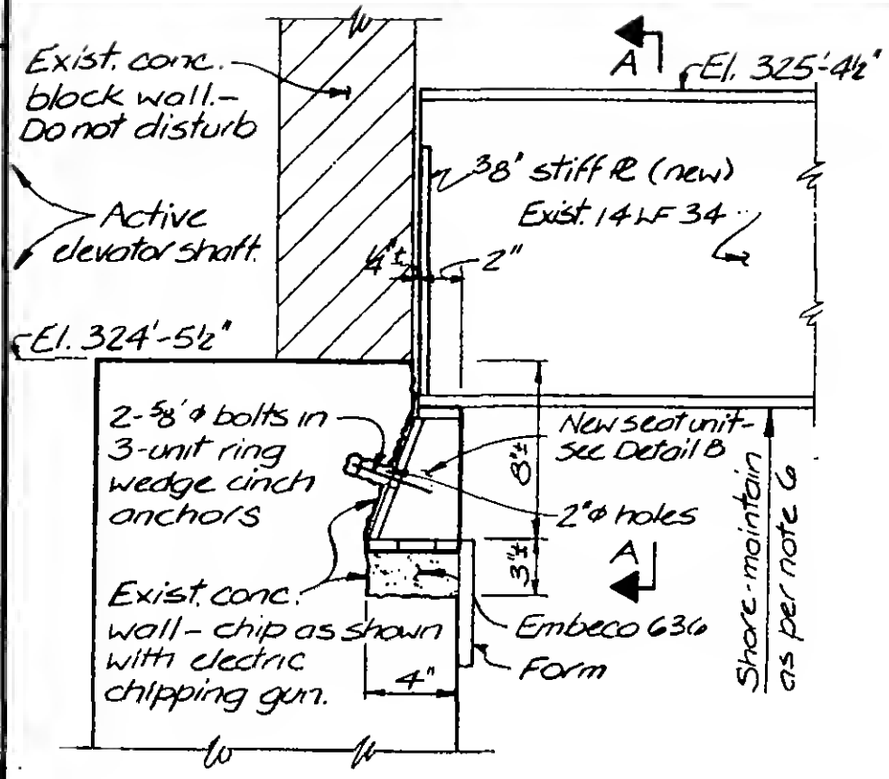
SKILLING, HELLE, CHRISTIANSEN, ROBERTSON — Structural & Civil Engineers

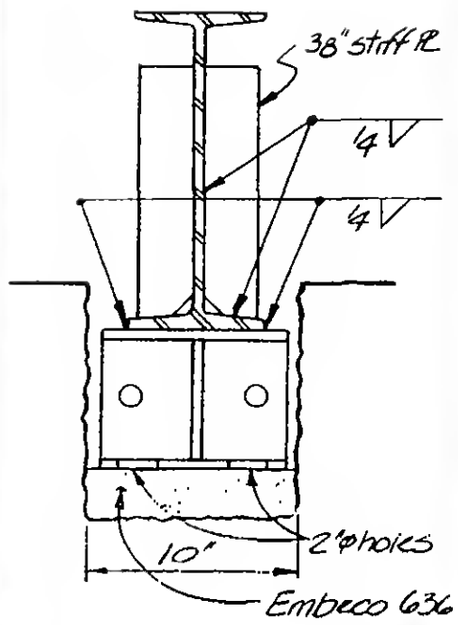
PROJECT THE WORLD TRADE CENTER

TITLE REPAIR DETAIL FOR MISLOCATED HANGER EL 332, ZONE K-3, 4'-6" NORTH OF COL. (K-51)

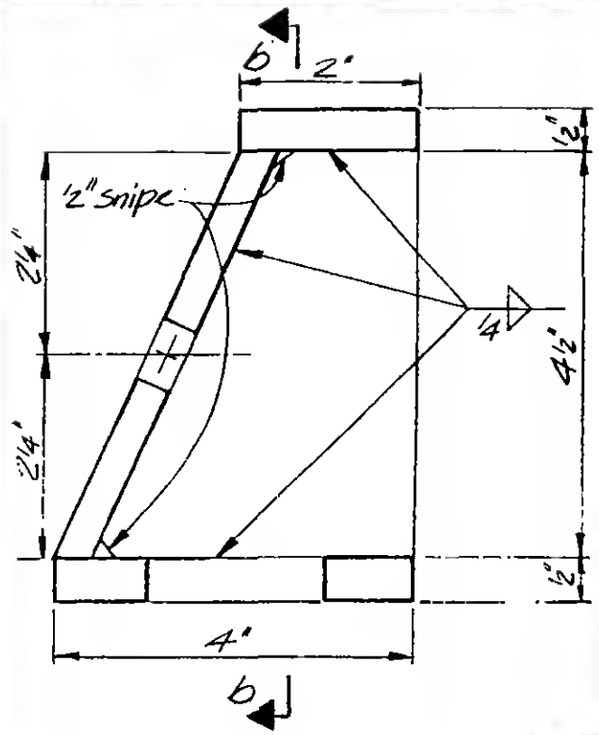
DATE 1-29-74

REVISIONS





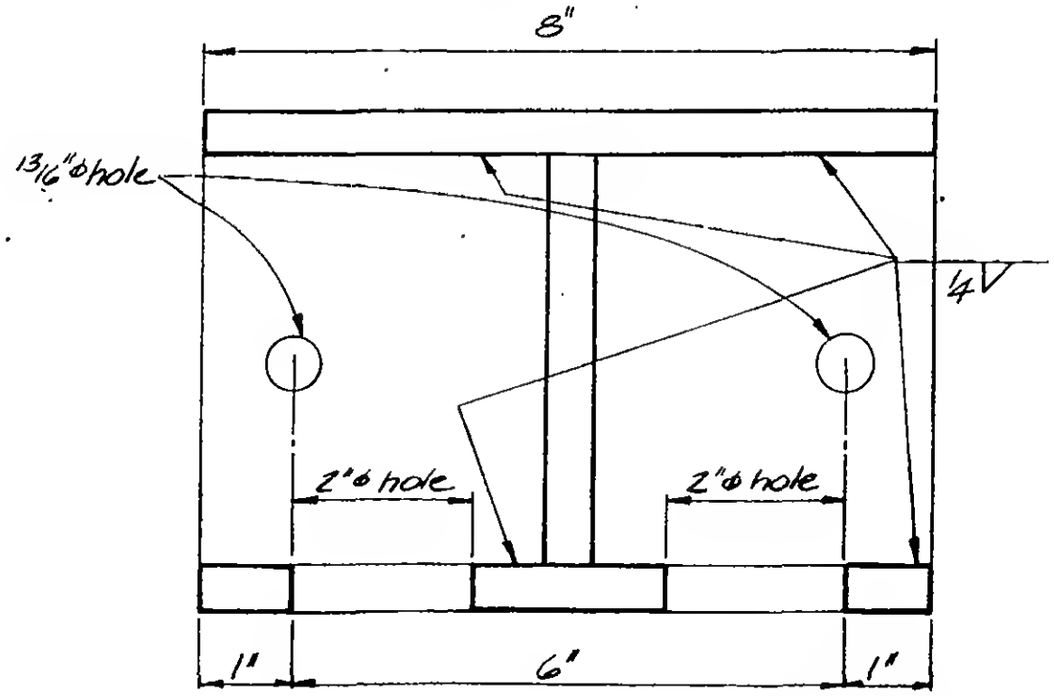
A



B

After seat unit has been welded to bottom flanges of the 14 WF 34 -

1. Place form.
2. Pour flowable mix of Embeco 636 thru 2"ϕ holes in bottom plate of seat unit.
3. Rod Embeco thoroughly to insure firm bearing
4. Insert 2-⅝"ϕ bolts through 13/16"ϕ holes in back plate into cinch anchors and hand tighten. (Note: Holes for cinch anchors can be drilled prior to welding seat unit to bottom flange of beam. Seat unit can be used as a template to locate holes to be drilled.)
5. Fill space between chipped existing concrete wall and back plate of seat unit with Embeco 636. (Tamp sides to prevent flowing out.)
6. Allow to set for 48 hours before removing shoring from under existing 14 WF 34.
7. Cut off existing mislocated hanger 1" below bottom flange of existing 30WF 116



All plates to be ½" thick ASTM-A36

LICENSED PROFESSIONAL ENGINEER LESLIE E. ROBERTSON No. 34960 UNIVERSITY OF THE STATE OF NEW YORK

DESIGNED L.E.L., A.R., J.T.M.,

DRAWN J.B.

REVIEWED

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19-K-1085