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

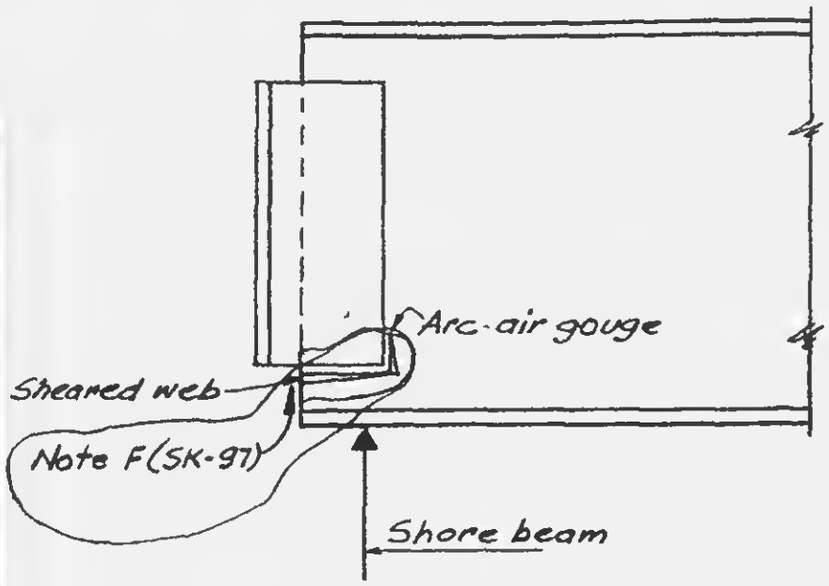
PROJECT: THE WORLD TRADE CENTER

TITLE: KI-EL. 310 REPAIR DETAIL FOR EXISTING STEEL

DATE: 6-12-72

REVISIONS

6-16-72

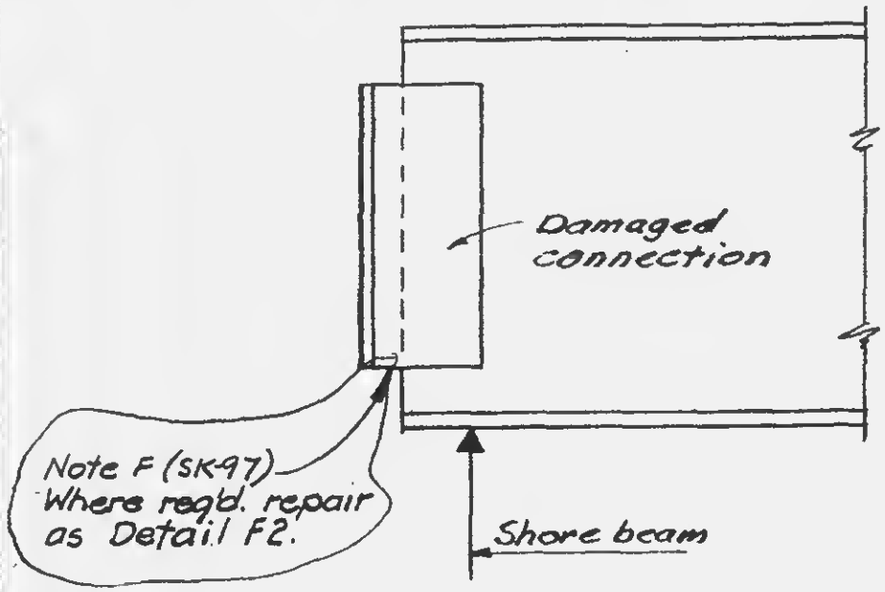


Procedure

1. Shore beam
2. Remove angle connection
3. Drill hole to terminate crack.
4. Straighten and arc-air gouge area of sheared web.
5. Replace with sound weld metal or remove distorted material and replace with C.P. welded A36 patch plate of same thickness as web
6. Replace connection to provide kip reaction indicated in Plan.
7. Remove shores.

Detail F2

Sheared web



Procedure

1. Shore beam.
2. Remove damaged connection. (bolts, angles and weld.)
3. Replace with same type connection, but capacity to be as shown in Plan.
4. Remove shores.

Detail F3

Failed connection

Detail F10

1. Connection to be examined by the "Engineer" and where signs of damaged are found connection to be replaced in accordance with Detail F3
2. See also Note F (SK-97)

LICENSED PROFESSIONAL ENGINEER — LESLIE E. ROBERTSON — No. 34360 — UNIVERSITY OF THE STATE OF NEW YORK

DESIGNED

DRAWN

REVIEWED

12-JK7-7