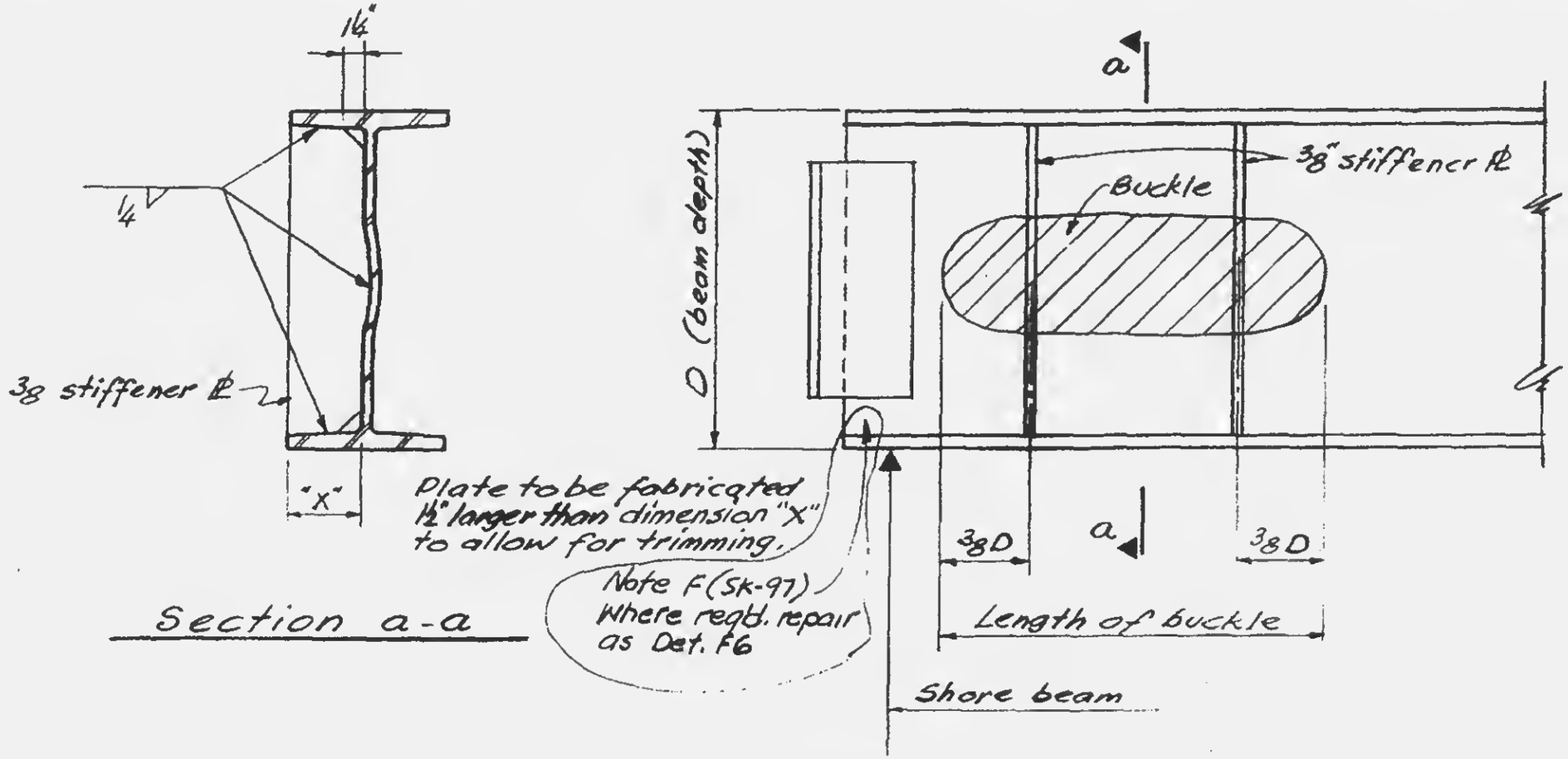
SKILLING, HELLE, CHRISTIANSEN, ROBERTSON · Structural & Civil Engineers

PROJECT THE WORLD TRADE CENTER | TITLE KI-EL.310 REPAIR DETAIL FOR EXISTING STEEL | DATE 6-12-72

REVISIONS

6-16-72



Section a-a

3/8 stiffener plates to be placed as follows:

LENGTH OF BUCKLE	No. of PLATES	PLACEMENT OF STIFFENERS
0.75 D	1	Center in bulge
0.75 D > 1.00 D	2	as shown above
1.00 D > 2.00 D	3	2 outside as shown above - center one centered between

Procedure

1. Shore beam
2. Remove damaged connection. (Bolts, angles & welds)
3. Replace with same type connection, but capacity to be as shown in Plan
4. Trim vertical stiffener plates to fit and install number and location as shown in table
5. Remove shores

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

DESIGNED

DRAWN

REVIEWED

Detail F7

Buckled web & failed connection

12-JK7-11