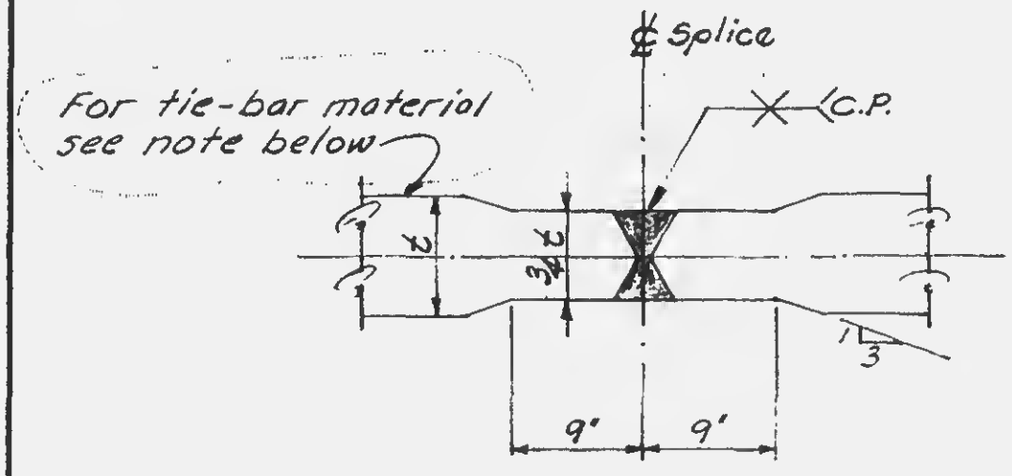
SKILLING - HELLE - CHRISTIANSEN - ROBERTSON — Structural & Civil Engineers

PROJECT THE WORLD TRADE CENTER | TITLE TRUSS DETAILS | DATE 5-15-67

REVISIONS
4-5-68
4-26-68



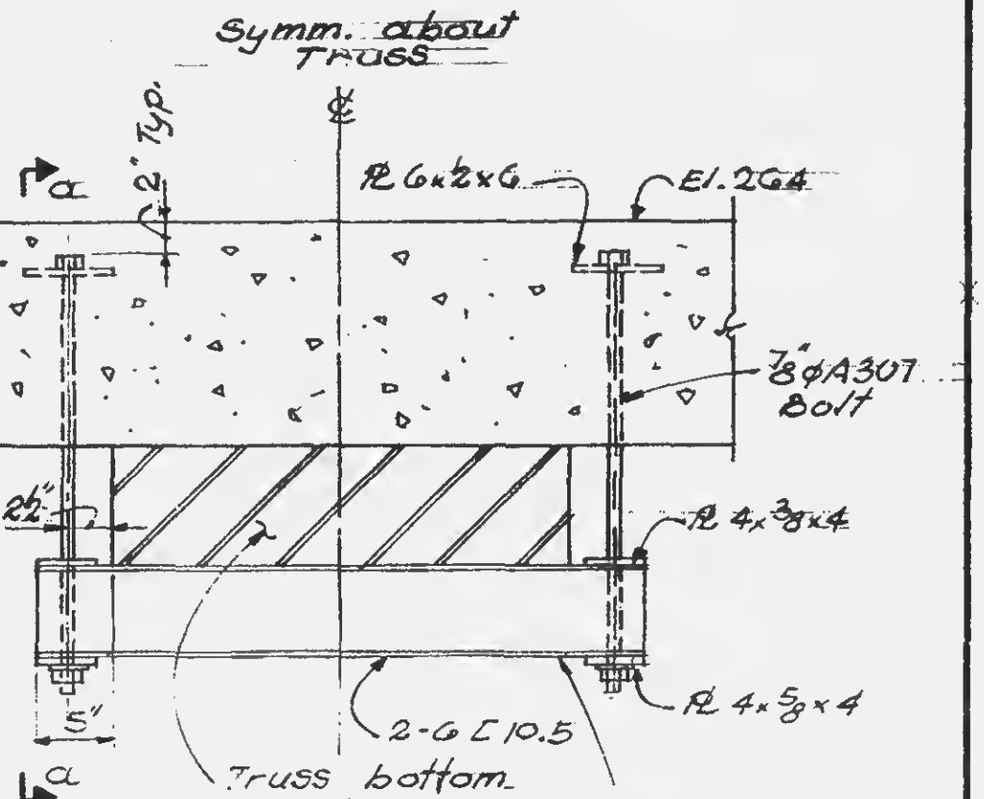
Typical detail for shop splice of single plate chord members

NOTE:

Tie bar material shall conform to the following:

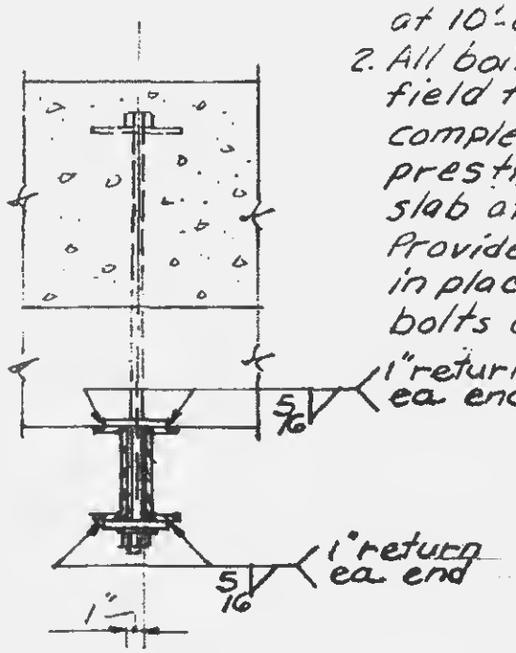
1. To be made to coarse grain practice.
2. To be silicon killed.
3. To be forging quality.
4. To be ordered to vacuum degassed practice with extra top discard.
5. To be 100% ultrasonically inspected in specified areas in accordance with ASTM A435-65.
6. In the locations shown in the drawings, steel plate shall be free of gross internal discontinuities exceeding
   (a) 3 square inches measured as the projected area on the surface of the plate, or 3 inches in maximum dimension measured parallel to the plane of the plate, or both.
   (b) 1/32 inch when measured in the direction of the thickness of the plate.
   (c) The sum of the maximum dimensions of each discontinuity intersected by any plane perpendicular to the longitudinal axis of the plate shall not exceed 4 inches.
   (d) At surfaces on the plate where the plate is joined to the flanges of diagonal members, the plate shall be free of gross internal discontinuities exceeding 1 sq. inch in area within widths of 10 inches centered on the flanges of the diagonals and within a depth of 3 inches from the surface of the plate.

Detail A



Detail B

Notes:
1. Intermediate supports spaced at 10'-0" max.
2. All bolts to be field tightened after completion of prestress work for slab at El. 264. Provide temp. sup'ts. in place of C before bolts are tightened.



Section a-a

11-JK2-9

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