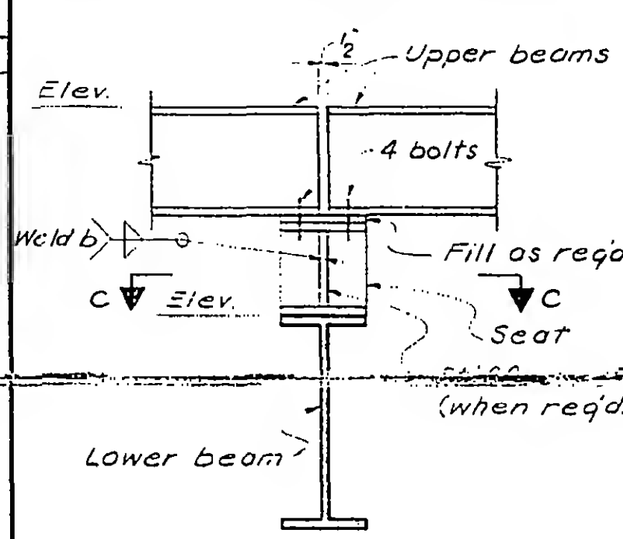
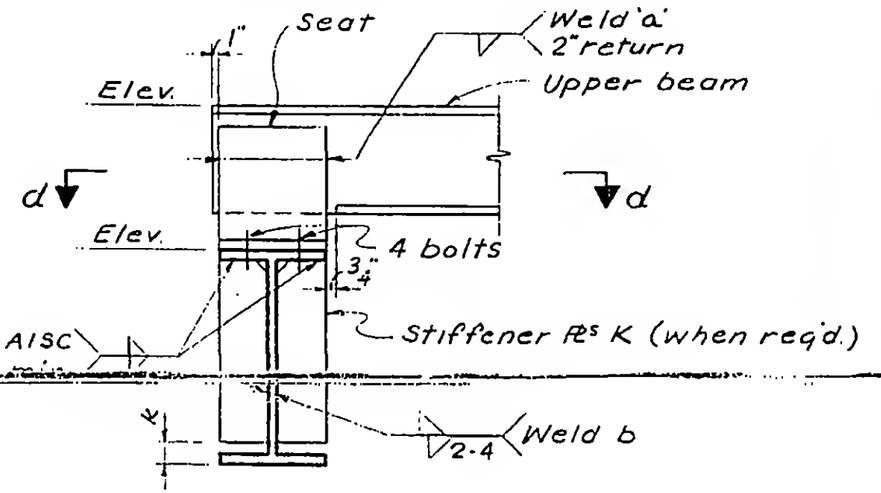
SKILLING - HELLE - CHRISTIANSEN - ROBERTSON Structural & Civil Engineers

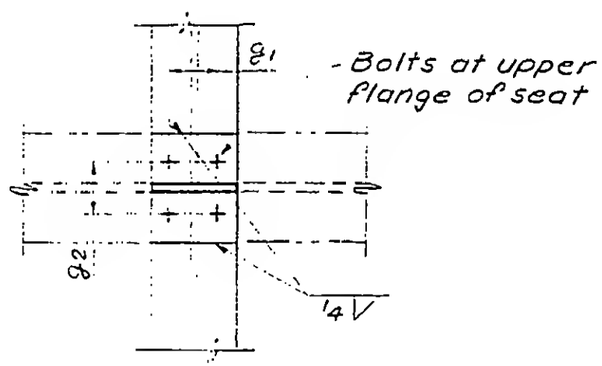
PROJECT THE WORLD TRADE CENTER | TITLE BEAM CONNECTION DETAILS | DATE 1-5-68

REVISIONS

7-19-68



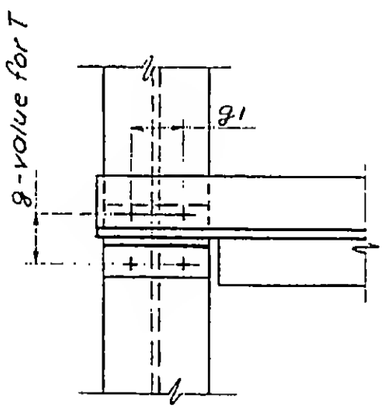




Section C-C

TYPE C SERIES

(see schedule on 12-JK1-60)



Section d-d

TYPE D SERIES

(see schedule on 12-JK1-60)

NOTES:

1. All seats to have Fy same as that of upper beam (Stiff. Rs with Fy=42)
2. Length of all seats to be the same as flange width of lower beam.
3. g1 to be g-value of lower beam.
   g2 to be g-value of upper beam.
4. All bolts shown to be ⅞"Φ H.S. bolts A325 friction type.
5. Where seat is not called out on schedule, use fill Rs only.

LICENSED PROFESSIONAL ENGINEER
LESLIE E. ROBERTSON
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STATE OF NEW YORK

12-JK1-63