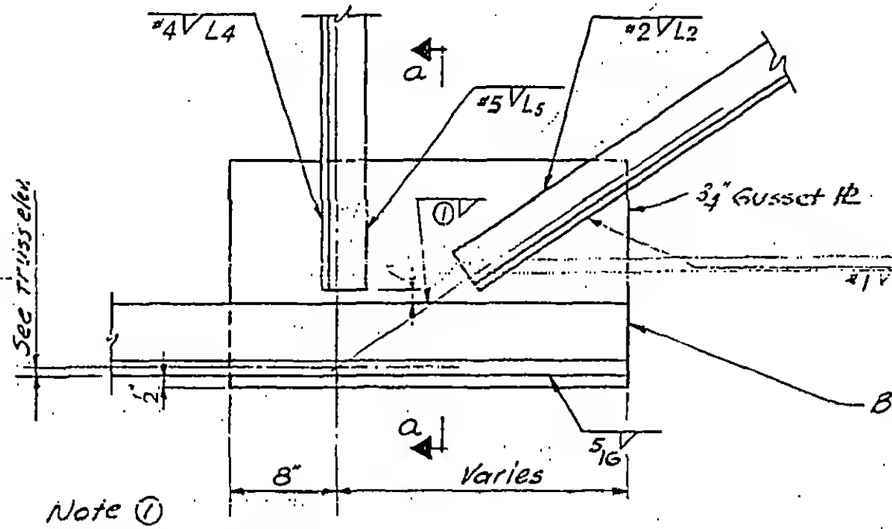
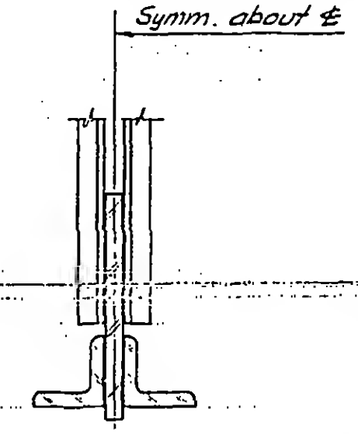
SKILLING, HELLE, CHRISTIANSEN, ROBERTSON — Structural & Civil Engineers

PROJECT: THE WORLD TRADE CENTER | TITLE: FLOOR TRUSS DETAIL 7.1 7.3 7.5 | DATE: 3-19-69

REVISIONS



Note ①
1/4" for tr ≤ to 3/4" thick
5/8" for tr > 3/4" thick
See 7-B7 for truss elevation.



Section a-a

Member size	Diagonal				Detail
	Weld #1	L_1	Weld #2	L_2	
1¼ × 1¼ × ¼	¼	6	3/16	4	7.5
1¾ × 1¾ × ¼	5/16	6	3/16	4	7.3 & 7.5
2½ × 1½ × 5/16	3/8	6	¼	5	7.3
2½ × 2 × ¼	3/8	6	3/16	5	7.1
2½ × 2 × 5/16	3/8	7	¼	5	7.1
4 × 3½ × ½	11/16	10	7/16	8	7.6

Member size	Vertical				Detail
	Weld #4	L_4	Weld #5	L_5	
1¼ × 1¼ × ¼	3/16	5	3/16	5	7.5
1¾ × 1¼ × ¼	¼	4	3/16	4	7.1 & 7.5
2½ × 1½ × ¼	5/16	5	3/16	5	7.1
2½ × 2 × ¼	3/8	5	3/16	5	7.3

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

DESIGNED K. Hwang
DRAWN A.L. FRANQUI
REVIEWED W. Brewer

7-B8-7.1