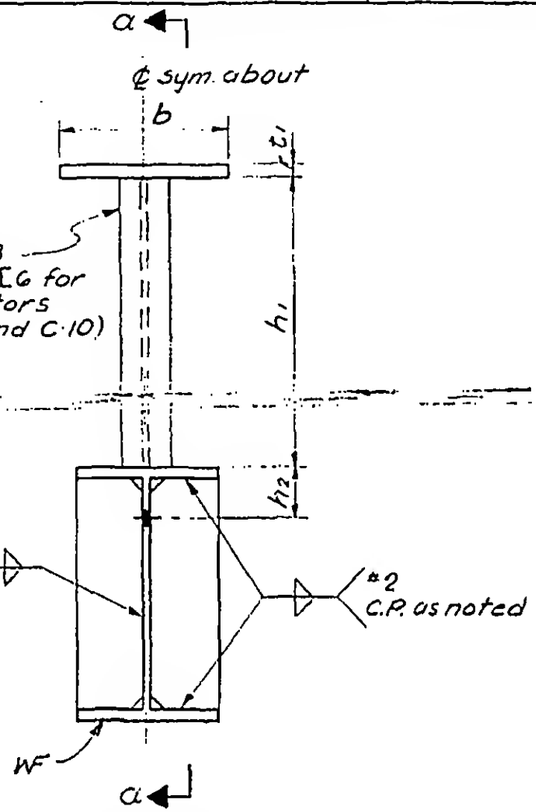
SKILLING, HELLE, CHRISTIANSEN, ROBERTSON — Structural & Civil Engineers

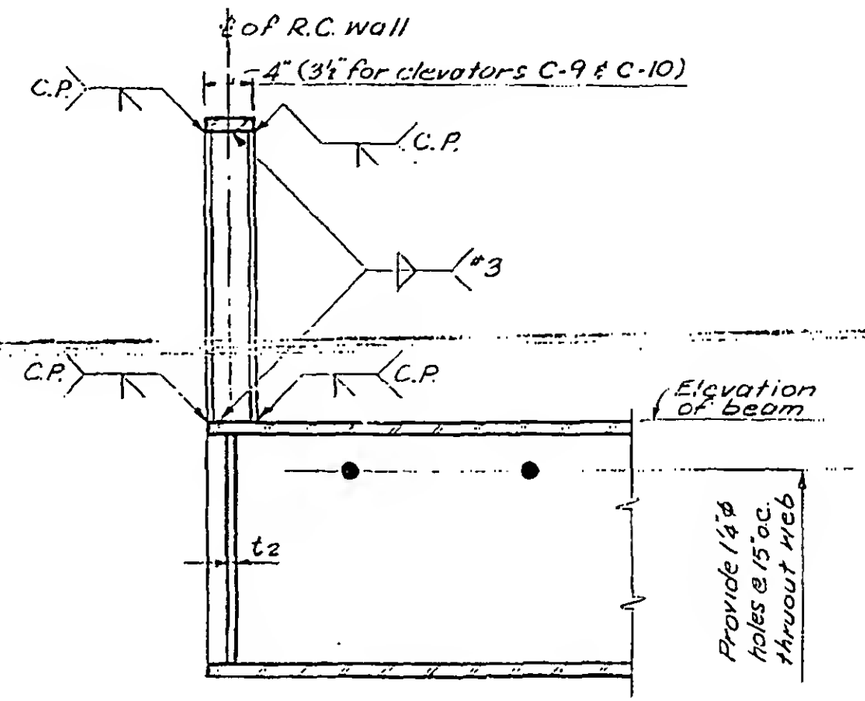
PROJECT: THE WORLD TRADE CENTER | TITLE: DETAIL OF "BUMPER" BEAM FOR ELEVATORS | DATE: 5-26-69

REVISIONS

5-26-70



Elevation



Section a-a

DETAIL No.	MEMBER SIZE	DIMENSIONS					WELD SIZE		
		t_1	t_2	b	h_1	h_2	#1	#2	#3
A	21WF112	2"	¾"	16"	4'-0"	2¼"	⅜	C.P.	⅜
B	21WF112	1"	½"	8"	2'-0"	2¼"	5/16	½	¼
C	18WF85	1¼"	⅝"	10"	2'-6"	2¼"	5/16	C.P.	5/16
D	21WF127	2"	¾"	16"	4'-0"	2¼"	⅜	C.P.	⅜
E	16B31					6"			
F	18WF64	1"	⅜"	8"	2'-6"	2¼"	⅜	C.P.	¼
G	21B49	1"	⅜"	8"	2'-0"	2¼"	5/16	C.P.	¼
H	18B40	1"	⅜"	8"	2'-0"	2¼"	5/16	C.P.	¼
J	21WF55	2"	⅜	14"	3'-0"		5/16	C.P.	⅜
K	21WF62	2"	⅝"	14"	3'-0"		5/16	C.P.	⅜
L	21WF55	1⅜"	⅜"	10"	2'-6"		5/16	C.P.	¼
M	21B44					2¼"			

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

DESIGNED

DRAWN
S.C.

REVIEWED
E.L.

12-JK1-70F