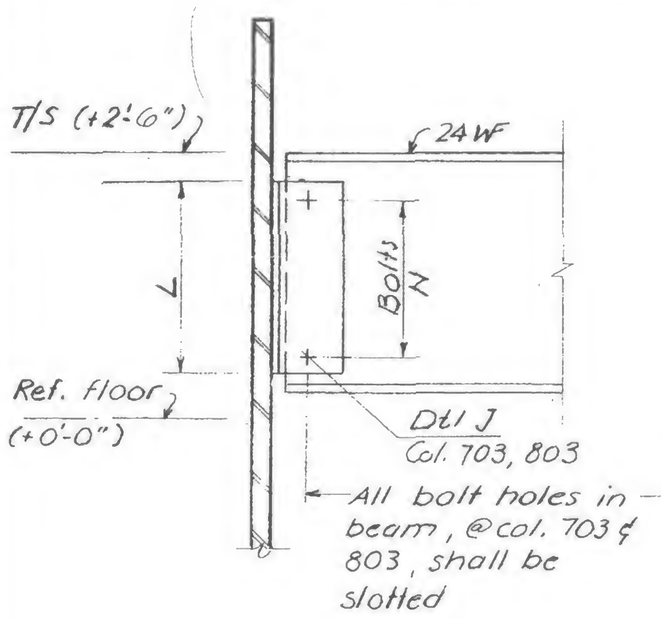
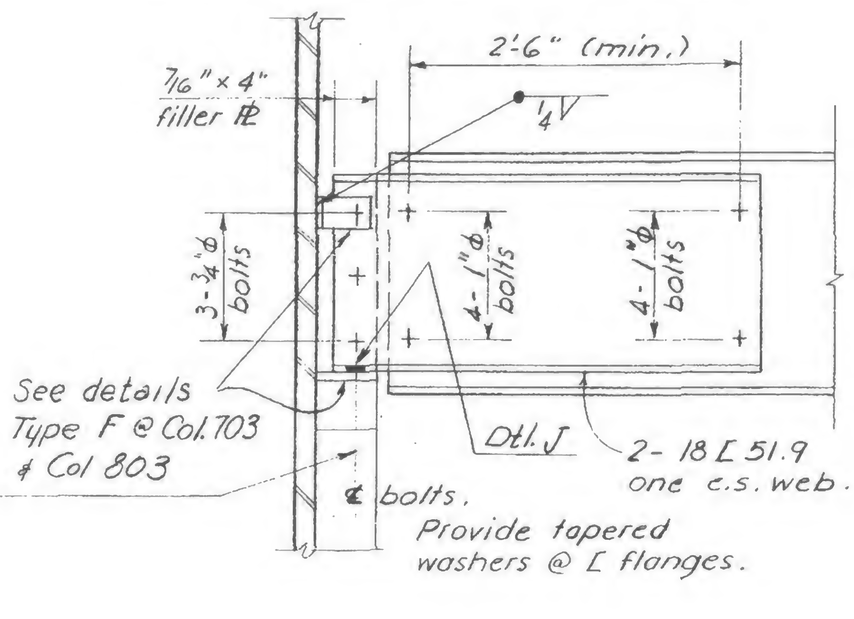
SKILLING, HELLE, CHRISTIANSEN, ROBERTSON — Structural & Civil Engineers

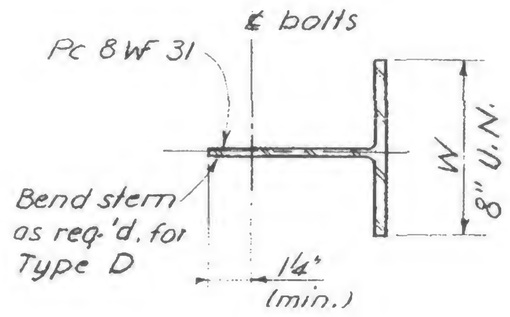
PROJECT: THE WORLD TRADE CENTER | TITLE: CONCRETE HOIST CATHEAD SUPPORTS - DETAILS | DATE: 5-12-69

REVISIONS
8-11-69
12-7-70





Detail G
Typical Support Beam Extension



Detail H
Typical 'T' Connection.

Typical Section @ Columns
Type A, B, C, D.

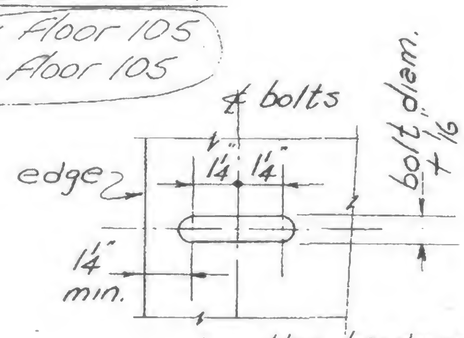
Col. 703, Above Floor 75, Below Floor 105
Col. 803, Above Floor 95, Below Floor 105

COLUMN CONNECTION SCHEDULE

LOCATION * COL.	FLOOR TOWER A	FLOOR TOWER B	TYPE	e (IN)	BOLTS SIZE	BOLTS N	CONNECTION L	CONNECTION WELD (1)	REMARKS
703	20-74	11-74	A	12 3/8"	1" ϕ	6	1'-5 1/2"	5/16	
	76-105	76-105	F	4 1/2"	3/4" ϕ	2	0'-10"	5/16	Use detail G @ 703
704	20-74	11-74	C	11 3/4"	1" ϕ	6	1'-5 1/2"	5/16	
	76-105	76-105	D	11 3/4"	1" ϕ	6	1'-5 1/2"	5/16	W=6" @ Dtl H, Above F 95.
803	20-94	11-94	B	12 3/8"	1" ϕ	6	0'-11 1/2"	5/16	
	97-105	97-105	F	3 1/2"	3/4" ϕ	2	0'-10"	5/16	Use detail G @ 803
804	—	-							
	20-105	11-105	E	1 11/16"	3/4" ϕ	2	-	5/16	

* Twr A, Connections @ Floors: 20, 23, 26, 29, 32, 35, 38, 40, 42, 44, 47, 50, 53, 56, 59, 62, 65, 68, 71, 74, 76, 79, 82, 85, 88, 91, 94, 97, 100, 103, 105

* Twr B, Connections @ Floors: 11, 14, 17, 20, 23, 26, 29, 32, 35, 38, 40, 42, 44, 47, 50, 53, 56, 59, 62, 65, 68, 71, 74, 76, 79, 82, 85, 88, 91, 94, 97, 100, 103



Use hardened washer against slotted face, 3/8" thick.

Detail J - Slotted Holes in Beams @ Columns 703 & 803

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

DESIGNED
DRAWN F. Smith
REVIEWED

19-AB-954