

WTC Drawing Book 5

Towers A & B Beam Schedules and Types, Stud Details

WTCI-16-LERA

5-AB1- # 5-B1-
Beam Schedules

5-AB2-
Beam Types
(See 5-AB2-0 for index)

5-AB3-
Stud Details
(See 5-AB3-1 for index)

NOTE See 5-AB0-0 for latest
date for each page



PROJECT	THE WORLD TRADE CENTER	TITLE	DRAWING BOOK 5 - BEAM SCHEDULE & TYPES	DATE	10/ 6/72
REVISIONS					
PRINTED 5/18-73					
5-A80-0	5/18/73	5-A81-48	1/22/68	5-A81-98	1/22/68
5-A80-0.2	5/18/73	5-A81-49	1/22/68	5-A81-99	1/22/68
5-A81-0	11/ 9/68	5-A81-50	1/22/68	5-A81-100	1/22/68
5-A81-1	1/22/68	5-A81-51	11/22/68	5-A81-101	7/20/67
5-A81-2	1/27/68	5-A81-52	1/22/68	5-A81-102	1/22/68
5-A81-3	7/17/68	5-A81-53	1/22/68	5-A81-103	1/22/68
5-A81-4	7/17/68	5-A81-54	1/22/68	5-A81-104	2/21/68
5-A81-5	10/ 9/68	5-A81-55	1/22/68	5-A81-105	9/25/68
5-A81-6	1/22/68	5-A81-56	7/17/68	5-A81-106	1/22/68
5-A81-7	11/21/67	5-A81-57	7/17/68	5-A81-107	2/21/68
5-A81-8	1/22/68	5-A81-58	3/13/68	5-A81-108	9/25/68
5-A81-9	10/ 9/68	5-A81-59	7/11/69	5-A81-109	9/25/68
5-A81-10	1/22/68	5-A81-60	7/17/68	5-A81-110	3/29/68
5-A81-11	1/22/68	5-A81-61	8/15/69	5-A81-111	11/22/68
5-A81-12	1/22/68	5-A81-62	8/15/69	5-A81-112	9/27/68
5-A81-13	12/ 6/68	5-A81-63	9/30/69	5-A81-113	1/22/68
5-A81-14	12/ 6/68	5-A81-64	1/22/68	5-A81-114	12/ 6/68
5-A81-15	1/22/68	5-A81-65	8/15/69	5-A81-115	1/22/68
5-A81-16	1/22/68	5-A81-66	1/22/68	5-A81-116	12/ 6/68
5-A81-17	8/17/68	5-A81-67	8/15/69	5-A81-117	1/22/68
5-A81-18	10/ 7/68	5-A81-68	8/15/69	5-A81-118	10/ 7/68
5-A81-19	12/ 6/68	5-A81-69	8/15/69	5-A81-119	1/10/69
5-A81-20	7/17/68	5-A81-70	10/ 9/68	5-A81-120	1/10/69
5-A81-21	12/ 6/68	5-A81-71	9/30/69	5-A81-121	1/22/68
5-A81-22	12/ 6/68	5-A81-72	9/30/69	5-A81-122	1/22/68
5-A81-23	1/22/68	5-A81-73	7/11/69	5-A81-123	7/11/69
5-A81-24	1/22/68	5-A81-74	1/22/68	5-A81-124	1/22/68
5-A81-25	1/22/68	5-A81-75	1/22/68	5-A81-125	2/12/68
5-A81-26	1/22/68	5-A81-76	1/22/68	5-A81-126	1/22/68
5-A81-27	4/17/68	5-A81-77	7/17/68	5-A81-127	1/22/68
5-A81-28	1/10/69	5-A81-78	12/ 6/68	5-A81-128	2/12/68
5-A81-29	4/17/68	5-A81-79	7/11/69	5-A81-129	2/12/68
5-A81-30	4/17/68	5-A81-80	1/22/68	5-A81-130	1/22/68
5-A81-31	1/22/68	5-A81-81	1/22/68	5-A81-131	3/13/68
5-A81-32	9/25/68	5-A81-82	1/22/68	5-A81-132	1/22/68
5-A81-33	4/17/68	5-A81-83	1/22/68	5-A81-133	7/17/68
5-A81-34	3/29/68	5-A81-84	1/22/68	5-A81-134	7/17/68
5-A81-35	1/10/69	5-A81-85	1/22/68	5-A81-135	1/22/68
5-A81-36	1/10/69	5-A81-86	12/ 6/68	5-A81-136	11/17/67
5-A81-37	1/24/68	5-A81-87	1/22/68	5-A81-137	7/17/68
5-A81-38	12/ 6/68	5-A81-88	1/22/68	5-A81-138	1/24/68
5-A81-39	12/ 6/68	5-A81-89	7/17/68	5-A81-139	1/24/68
5-A81-40	1/24/68	5-A81-90	9/30/69	5-A81-140	11/22/68
5-A81-41	1/22/68	5-A81-91	1/22/68	5-A81-141	12/ 6/68
5-A81-42	1/22/68	5-A81-92	8/15/69	5-A81-142	1/24/68
5-A81-43	1/22/68	5-A81-93	1/22/68	5-A81-143	2/29/68
5-A81-44	1/24/68	5-A81-94	7/17/68	5-A81-144	9/25/69
5-A81-45	1/22/68	5-A81-95	1/22/68	5-A81-145	9/25/68
5-A81-46	11/27/68	5-A81-96	1/22/68	5-A81-146	1/22/68
5-A81-47	1/22/68	5-A81-97	1/22/68	5-A81-147	1/22/68
				5-A81-148	1/22/68
				5-A81-149	12/21/67
				5-A81-150	12/ 6/68
				5-A81-151	10/22/68
				5-A81-152	1/10/69
				5-A81-153	1/22/68
				5-A81-154	12/ 6/68
				5-A81-155	12/ 6/68
				5-A81-156	1/22/68
				5-A81-157	4/15/67
				5-A81-158	1/22/68
				5-A81-159	12/ 6/68
				5-A81-160	10/22/68
				5-A81-161	7/17/68
				5-A81-162	1/10/69
				5-A81-163	11/22/68
				5-A81-164	1/22/68
				5-A81-165	1/24/68
				5-A81-166	11/22/68
				5-A81-167	12/ 6/68
				5-A81-168	1/22/68
				5-A81-169	12/ 6/68
				5-A81-170	10/18/68
				5-A81-171	12/ 6/68
				5-A81-172	12/ 6/68
				5-A81-173	12/ 6/68
				5-A81-174	12/ 6/68
				5-A81-175	7/17/68
				5-A81-176	1/22/68
				5-A81-177	7/17/68
				5-A81-178	7/17/68
				5-A81-179	7/17/68
				5-A81-180	7/20/67
				5-A81-181	12/ 6/68
				5-A81-182	12/ 6/68
				5-A81-183	12/ 6/68
				5-A81-184	12/ 6/68
				5-A81-185	3/11/68
				5-A81-186	12/ 6/68
				5-A81-187	3/11/68
				5-A81-188	12/ 6/68
				5-A81-189	12/ 6/68
				5-A81-190	12/ 6/68
				5-A81-191	12/ 6/68
				5-A81-192	12/ 6/68
				5-A81-193	12/ 6/68
				5-A81-194	12/ 6/68
				5-A81-195	12/ 6/68
				5-A81-196	12/ 6/68
				5-A81-197	12/ 6/68
				5-A81-198	12/ 6/68
				5-A81-199	2/ 9/68
				5-A81-200	12/ 6/68
				5-A81-201	12/ 6/68
				5-A81-202	12/ 6/68
				5-A81-203	7/17/68
				5-A81-204	7/17/68
				5-A81-205	7/17/68
				5-A81-206	3/11/68
				5-A81-207	8/17/68
				5-A81-208	10/18/68
				5-A81-209	11/27/68
				5-A81-210	9/27/68
				5-A81-211	1/22/68
				5-A81-212	1/22/68
				5-A81-213	1/22/68
				5-A81-214	1/22/68
				5-A81-215	1/22/68
				5-A81-216	1/22/68
				5-A81-217	1/22/68
				5-A81-218	12/ 6/68
				5-A81-219	7/17/68
				5-A81-220	9/18/68
				5-A81-221	10/18/68
				5-A81-222	10/18/72
				* 5-A81-227	10/18/68
				5-A81-241	11/27/68
				5-A81-242	1/10/69
				5-A81-243	9/30/69

* = NO RECORD



PROJECT	TITLE	DATE
THE WORLD TRADE CENTER	DRAWING BOOK 5 - BEAM SCHEDULE & TYPES	10/ 6/72

REVISIONS

PRINTED
5/18/73

5-AB2- 1	5/ 1/69	5-AB3- 1	5/ 1/69
5-AB2- 2	11/21/67	5-AB3- 2	12/ 6/68
5-AB2- 2.1	10/15/67	5-AB3- 3	12/21/67
5-AB2- 3	HOLD	5-AB3- 4	11/ 9/67
5-AB2- 4	12/21/67	5-AB3- 5	12/21/67
5-AB2- 5	HOLD		
5-AB2- 6	7/17/68		
5-AB2- 7	11/15/67		
5-AB2- 8	HOLD		
5-AB2- 9	10/31/67		
5-AB2-10	11/21/67		
5-AB2-11	11/21/67		
5-AB2-11.1	1/10/69		
5-AB2-12	11/21/67		
5-AB2-12.1	12/21/67		
5-AB2-12.2	11/21/67		
5-AB2-12.3	11/22/68		
5-AB2-12.4	11/21/67		
5-AB2-12.5	11/21/67		
5-AB2-12.6	11/21/67		
5-AB2-13	12/21/67		
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5-AB2-15	11/10/67		
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5-AB2-19	11/21/67		
5-AB2-20	9/15/67		
5-AB2-21	11/21/67		
5-AB2-22	11/22/67		
5-AB2-23	7/17/68		
5-AB2-24	11/17/67		
5-AB2-25	12/21/67		
5-AB2-26	10/31/67		
5-AB2-27	7/14/67		
5-AB2-28	12/21/67		
5-AB2-29	12/21/67		
5-AB2-30	12/21/67		
5-AB2-31	3/29/68		
5-AB2-32	12/21/67		
5-AB2-33	12/21/67		
5-AB2-34	11/21/67		
5-AB2-35	11/21/67		
5-AB2-36	11/21/67		
5-AB2-37	11/21/67		
5-AB2-38	9/25/68		
5-AB2-39	5/ 7/68		
5-AB2-40	9/25/68		



5-AB2-0.1

PROJECT

THE WORLD TRADE CENTER

TITLE

BEAM SCHEDULE TOWERS A AND B

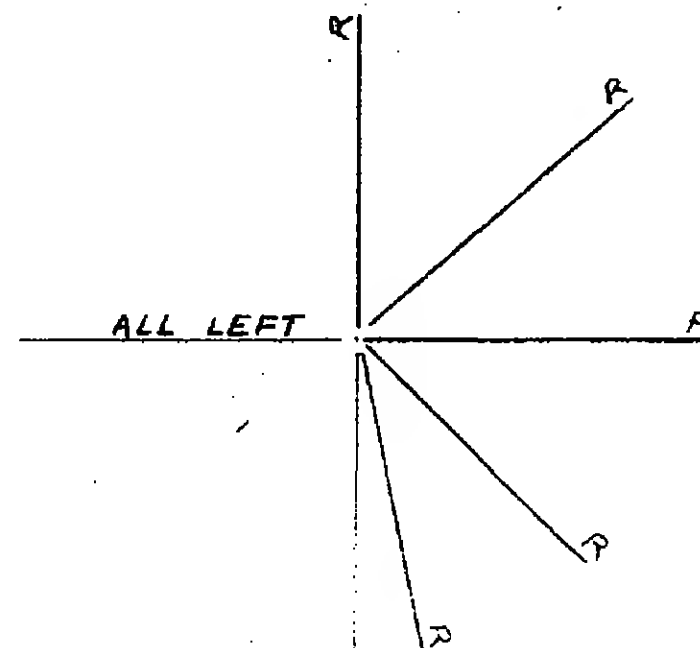
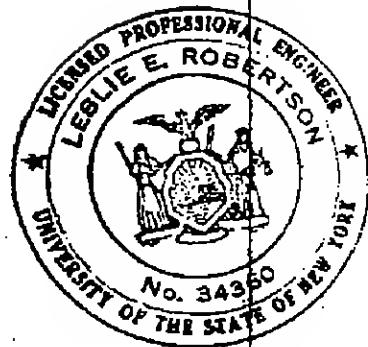
DATE

11/ 9/67

REVISIONS

BEAM NO.	SIZE	TYPE	FY	SHAPE	PLATE 1		PLATE 2		DIMENSIONS		SUPPORTS		STUDS		REMARKS
					WIDTH	THICK	WIDTH	THICK	LENGTH	DIM. A	LEFT	RIGHT	NO.	SIZE	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)

- (1) BEAM IDENTIFICATION NUMBER, SHOWN ON FRAMING PLAN
 (2) NOMINAL DIMENSIONS OF BEAM IF NOT STANDARD ROLLED SHAPE
 (3) BEAM TYPE, SEE 5-AB2
 (4) REQUIRED YIELD STRENGTH OF STEEL
 (5) DESIGNATION OF ROLLED SHAPE, WHERE APPLICABLE
 (6) WIDTH OF FLANGE OF BUILT UP BEAM, OR WIDTH OF COVER PLATE ON ROLLED SECTION. SEE BEAM TYPE
 (7) THICKNESS OF FLANGE OF BUILT UP BEAM OR THICKNESS OF COVER PLATE ON ROLLED SECTION. SEE BEAM TYPE
 (8) DEPTH OF WEB PLATE(S) OF BUILT UP SECTION
 (9) THICKNESS OF WEB PLATE(S) OF BUILT UP SECTION
 (10) LENGTH OF COVER PLATE(S)
 (11) DISTANCE FROM LEFT END OF BEAM TO LEFT END OF COVER PLATE
 (12) SUPPORT DETAIL LEFT END OF BEAM, GIVEN AS SUPPORT DETAIL NUMBER OR AS REACTION IN KIPS FOR STANDARD AISC CONNECTION. FOR DETAILS SEE 6-AB1 AND 6-AB2
 (13) SAME AS (12) BUT FOR RIGHT END OF BEAM
 (14) NUMBER OF SHEAR CONNECTORS ON BEAM
 (15) SIZE OF SHEAR CONNECTORS (DIAM. X LENGTH) AND PLACEMENT DETAILS (SEE 5-AB3)
 (16) REMARKS. NUMBERS REFER TO NOTES AT FOOT OF PAGE



CONVENTION FOR DETERMINING
LEFT AND RIGHT ENDS OF BEAMS

(1) ALL BEAMS EXCEPT THOSE ON
VERTICAL AXIS OF SHEET
HAVE THE END NEAREST TO
THE LEFT SIDE OF THE
SHEET DESIGNATED AS LEFT

(2) ALL BEAMS ON VERTICAL AXIS
HAVE THE END NEAREST TO
THE BOTTOM OF THE SHEET
DESIGNATED AS LEFT.

SKILLING-HELLE-CHRISTIANSEN-ROBERTSON

Civil & Structural Engineers

PROJECT THE WORLD TRADE CENTER					TITLE BEAM SCHEDULE TOWERS A AND B						DATE 1/22/68				
BEAM NO.	SIZE	TYPE	FY	SHAPE	PLATE 1		PLATE 2		DIMENSIONS		SUPPORTS		STUDS		REMARKS
					WIDTH	THICK	WIDTH	THICK	LENGTH	DIM. A	LEFT	RIGHT	NO.	SIZE	
2	-	100	36	14B22	-	-	-	-	-	-	26.5K	26.5K	19	3/4X3	
3	-	100	36	14B22	-	-	-	-	-	-	26.5K	26.5K	19	3/4X3	
4	-	100	36	14B22	-	-	-	-	-	-	26.5K	26.5K	19	3/4X3	
5	-	100	36	14B22	-	-	-	-	-	-	26.5K	26.5K	19	3/4X3	
6	-	100	36	12B19	-	-	-	-	-	-	26.5K	26.5K	36	5/8X2	
7	-	100	36	12B19	-	-	-	-	-	-	26.5K	26.5K	-	-	
8	-	100	36	12B19	-	-	-	-	-	-	26.5K	26.5K	-	-	
9	-	100	36	12B19	-	-	-	-	-	-	105A	26.5K	-	-	
10	-	100	36	14B26	-	-	-	-	-	-	283M	172B	-	-	
11	-	100	36	14B22	-	-	-	-	-	-	105A	26.5K	19	3/4X3	
12	-	100	36	14B26	-	-	-	-	-	-	283M	170C	18	3/4X3	
13	-	100	36	8B13	-	-	-	-	-	-	17.4K	17.4K	16	5/8X2	
14	-	100	36	8B13	-	-	-	-	-	-	17.4K	17.4K	8	3/4X3	
15	-	100	36	8B13	-	-	-	-	-	-	17.4K	17.4K	8	3/4X3	
16	-	100	36	8B13	-	-	-	-	-	-	17.4K	17.4K	8	3/4X3	
17	-	100	36	8B13	-	-	-	-	-	-	17.4K	17.4K	8	3/4X3	
18	16X4 8X	200	36	-	2-1/2	3/8	16	3/4	-	-	296A	274A	-	-	
19	-	100	36	16B26	-	-	-	-	-	-	201A	283M	8	3/4X3	
20	-	100	36	16B26	-	-	-	-	-	-	105I	213A	17	3/4X3	
21	-	100	36	8B13	-	-	-	-	-	-	17.4K	17.4K	11	3/4X3	
22	-	100	36	8B13	-	-	-	-	-	-	17.4K	17.4K	-	-	
23	16X4 8X	200	36	-	2-1/2	3/8	16	3/4	-	-	372A	282A	-	-	
24	-	404	36	16WF50	-	-	-	-	-	10FT 9	338D	274A	26	3/4X3	
25	-	404	36	16WF50	-	-	-	-	-	7FT 6	274A	282A	26	3/4X3	
26	-	404	36	16WF50	-	-	-	-	-	8FT 0	26.5K	274A	26	3/4X3	
27	-	404	36	16WF45	-	-	-	-	-	-	338D	274B	26	3/4X3	
28	-	404	50	16WF45	-	-	-	-	-	7FT 6	274A	338D	26	3/4X3	
29	-	100	50	16WF40	-	-	-	-	-	-	106A	111I	39	3/4X3	
30	-	404	50	16WF45	-	-	-	-	-	-	338D	274A	26	3/4X3	
31	-	100	36	12B19	-	-	-	-	-	-	26.5K	26.5K	36	5/8X2	
32	-	100	50	16WF36	-	-	-	-	-	-	106B	111I	39	3/4X3	
33	-	404	36	16WF45	-	-	-	-	-	-	213A	282A	26	3/4X3	



SKILLING-HELLE-CHRISTIANSEN-ROBERTSON

Civil & Structural Engineers

PROJECT

THE WORLD TRADE CENTER

TITLE

BEAM SCHEDULE TOWERS A AND B

DATE

1/22/68

REVISIONS

BEAM NO.	SIZE	TYPE	FY	SHAPE	PLATE 1		PLATE 2		DIMENSIONS		SUPPORTS		STUDS		REMARKS
					WIDTH	THICK	WIDTH	THICK	LENGTH	DIM. A	LEFT	RIGHT	NO.	SIZE	
34	-	100	36	16B31	-	-	-	-	-	-	26.5K	105B	18	3/4X3	
35	-	100	36	16WF36	-	-	-	-	-	-	26.5K	26.5K	-	-	
36	-	100	36	16WF36	-	-	-	-	-	-	220I	208C	39	3/4X3D	
37	-	100	36	16WF36	-	-	-	-	-	-	208C	287E	45	3/4X3D	
38	-	100	36	16WF36	-	-	-	-	-	-	287E	208D	39	3/4X3	
39	-	100	36	16WF36	-	-	-	-	-	-	208D	208C	⑧	3/4X3	X
40	-	100	36	16WF36	-	-	-	-	-	-	208C	208C	39	3/4X3D	
41	-	100	36	16WF36	-	-	-	-	-	-	208C	220I	39	3/4X3D	
42	-	100	36	16WF36	-	-	-	-	-	-	208C	172B	39	3/4X3D	
43	-	100	50	16WF36	-	-	-	-	-	-	106A	1111	39	3/4X3D	
44	-	100	36	16WF36	-	-	-	-	-	-	220I	208C	39	3/4X3D	
45	-	404	36	16WF45	-	-	-	-	-	-	16.5K	213A	26	3/4X3	
46	-	100	50	16WF36	-	-	-	-	-	-	106A	1111	39	3/4X3	
47	-	100	36	16WF36	-	-	-	-	-	-	208D	26.5K	6	3/4X3	
48	-	100	36	8B13	-	-	-	-	-	-	17.4K	17.4K	⑧	3/4X3	
49	-	100	36	14B22	-	-	-	-	-	-	26.5K	26.5K	19	3/4X3	
50	-	100	36	15CH33.9	-	-	-	-	-	-	315A	315D	-	-	
51	-	100	36	12B16.5	-	-	-	-	-	-	26.5K	26.5K	15	3/4X3	
52	-	100	36	12B16.5	-	-	-	-	-	-	26.5K	26.5K	18	3/4X3	
53	-	100	36	8B13	-	-	-	-	-	-	17.4K	17.4K	11	3/4X3	
54	-	100	36	15CH33.9	-	-	-	-	-	-	315A	315D	-	-	
55	-	100	36	10B15	-	-	-	-	-	-	17.4K	17.4K	12	3/4X3	
56	-	100	36	16WF36	-	-	-	-	-	-	26.5K	208C	15	3/4X3B	
57	-	100	36	16WF36	-	-	-	-	-	-	170B	287E	15	3/4X3B	
58	-	100	36	16WF36	-	-	-	-	-	-	26.5K	208C	12	3/4X3B	
59	-	100	36	16WF36	-	-	-	-	-	-	26.5K	208C	12	3/4X3B	
60	-	100	36	12B19	-	-	-	-	-	-	335B	235D	15	3/4X3	
61	-	100	36	12B19	-	-	-	-	-	-	335B	235C	15	3/4X3	
62	-	100	36	16WF36	-	-	-	-	-	-	307C	208D	19	3/4X3B	
63	-	100	36	14B22	-	-	-	-	-	-	335C	26.5K	19	3/4X3	
64	-	100	36	8B13	-	-	-	-	-	-	105D	105D	11	3/4X3	
65	-	100	36	14B22	-	-	-	-	-	-	26.5K	208B	19	3/4X3	
66	-	600	36	68X15.4	-	-	-	-	-	-	451	451	-	-	

REMARKS

1 STANDARD STRUCTURAL TUBING 6X4X1/4



PROJECT					TITLE							DATE			
THE WORLD TRADE CENTER					BEAM SCHEDULE TOWERS A AND B							7/17/68			
BEAM NO.	SIZE	TYPE	FY	SHAPE	PLATE 1		PLATE 2		DIMENSIONS		SUPPORTS		STUDS		REMARKS
					WIDTH	THICK	WIDTH	THICK	LENGTH	DIM. A	LEFT	RIGHT	NO.	SIZE	
67	-	600	36	68X15.4	-	-	-	-	-	-	451	451	-	-	1
68	-	600	36	68X15.4	-	-	-	-	-	-	451	451	-	-	1
69	-	100	36	14B22	-	-	-	-	-	-	208B	216A	10	3/4X3	
70	-	100	36	14B22	-	-	-	-	-	-	208B	335C	19	3/4X3	
71	-	100	36	14B22	-	-	-	-	-	-	216A	335C	24	3/4X3	
72	-	100	36	12B19	-	-	-	-	-	-	235C	335B	15	3/4X3	X
73	-	100	36	8B13	-	-	-	-	-	-	175A	17.4K	-	-	
74	-	100	36	8B13	-	-	-	-	-	-	111N	105C	-	-	
75	-	100	36	8B13	-	-	-	-	-	-	214A	111K	8	3/4X3	
76	-	100	36	12B16.5	-	-	-	-	-	-	26.5K	26.5K	15	3/4X3	
77	-	100	36	12B16.5	-	-	-	-	-	-	310B	26.5K	21	3/4X3	
78	-	100	36	16WF40	-	-	-	-	-	-	220K	205F	-	-	
79	-	100	36	16WF40	-	-	-	-	-	-	401A	401A	-	-	
80	-	100	36	16WF40	-	-	-	-	-	-	205F	335C	-	-	2
81	-	100	36	16WF40	-	-	-	-	-	-	335C	205F	-	-	3
82	-	100	36	16WF40	-	-	-	-	-	-	401A	401A	-	-	
83	-	100	36	16WF40	-	-	-	-	-	-	205F	220K	-	-	
84	-	100	36	16B31	-	-	-	-	-	-	220D	254C	-	-	6
85	-	100	36	16B31	-	-	-	-	-	-	254C	254C	-	-	
86	-	100	36	16B31	-	-	-	-	-	-	254C	335B	-	-	4
87	-	100	36	16B31	-	-	-	-	-	-	335B	254C	-	-	5
88	-	100	36	16B31	-	-	-	-	-	-	254C	254C	-	-	
89	-	100	36	16B31	-	-	-	-	-	-	254C	220D	-	-	
90	16X5-1/2BX	204	36	-	4	3/8	16	3/4	-	-	206A	254C	-	-	
91	16X5-1/2BX	204	36	-	4	3/8	16	3/4	-	-	450	450	-	-	
92	16X5-1/2BX	201	36	-	4	3/8	16	3/4	-	-	254B	206B	-	-	
93	16X5-1/2BX	201	36	-	4	3/8	16	3/4	-	-	450	450	-	-	
94	-	100	36	14B22	-	-	-	-	-	-	26.5K	26.5K	-	-	
95	-	100	36	8B13	-	-	-	-	-	-	17.4K	17.4K	-	-	
96	-	100	36	16WF40	-	-	-	-	-	-	2201	205F	-	-	
97	-	100	36	16WF40	-	-	-	-	-	-	402A	402A	-	-	
98	-	100	36	16WF40	-	-	-	-	-	-	205F	335C	-	-	2
99	-	100	36	16WF40	-	-	-	-	-	-	307C	310B	-	-	3

REMARKS

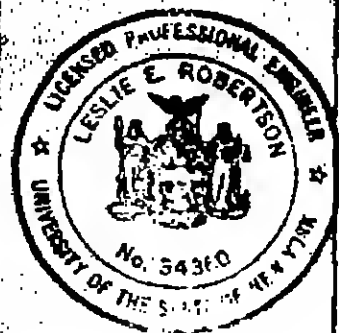
- 1 STANDARD STRUCTURAL TUBING 6X4X1/4
- 2 DETAIL 405 RIGHT END OF BEAM
- 3 DETAIL 405 LEFT END OF BEAM
- 4 DETAIL 406 RIGHT END OF BEAM
- 5 DETAIL 406 LEFT END OF BEAM
- 6 BEAM TYPE 402 AT FLOOR 9, TOWER B.
USE 4X3/8 PLATE 1.



PROJECT					TITLE					DATE					
THE WORLD TRADE CENTER					BEAM SCHEDULE TOWERS A AND B					7/17/68					
BEAM NO.	SIZE	TYPE	FY	SHAPE	PLATE 1		PLATE 2		DIMENSIONS		SUPPORTS		STUDS		REMARKS
					WIDTH	THICK	WIDTH	THICK	LENGTH	DIM. A	LEFT	RIGHT	NO.	SIZE	
100	-	100	36	16WF40	-	-	-	-	-	-	402A	402A	-	-	
101	-	100	36	16WF40	-	-	-	-	-	-	205F	220I	-	-	
102	-	100	36	16B31	-	-	-	-	-	-	220D	254B	-	-	
103	-	100	36	16B31	-	-	-	-	-	-	254B	254B	-	-	
104	-	100	36	16B31	-	-	-	-	-	-	254B	335B	-	-	2
105	-	100	36	16B31	-	-	-	-	-	-	335B	254B	-	-	3
106	-	100	36	16B31	-	-	-	-	-	-	254B	254B	-	-	
107	-	100	36	16B31	-	-	-	-	-	-	254B	220D	-	-	6
108	-	100	36	8B13	-	-	-	-	-	-	17.4K	17.4K	-	-	
109	16X5-1/2BX	206	36	-	4	3/8	16	3/4	-	-	206A	254C	-	-	
110	-	100	36	8B13	-	-	-	-	-	-	17.4K	17.4K	-	-	
111	-	100	50	15CH50.0	-	-	-	-	-	-	351A	233A	-	-	
112	-	100	36	8B13	-	-	-	-	-	-	17.4K	17.4K	-	-	4
113	-	100	36	8B13	-	-	-	-	-	-	17.4K	17.4K	-	-	
114	-	100	36	8B13	-	-	-	-	-	-	17.4K	17.4K	-	-	
115	-	100	36	8B13	-	-	-	-	-	-	17.4K	17.4K	-	-	
116	-	100	36	14B22	-	-	-	-	-	-	105A	26.5K	16	3/4X3	
117	-	100	36	12B19	-	-	-	-	-	-	26.5K	26.5K	18	3/4X3	
118	-	100	36	12B16.5	-	-	-	-	-	-	26.5K	26.5K	13	3/4X3	
119	-	100	50	16WF40	-	-	-	-	-	-	106A	111I	42	3/4X3	
120	-	100	50	16WF36	-	-	-	-	-	-	106A	111I	39	3/4X3D	
121	-	100	36	8B13	-	-	-	-	-	-	17.4K	17.4K	-	-	
122	-	100	36	16WF36	-	-	-	-	-	-	26.5K	105I	12	3/4X3B	
123	-	100	36	16B26	-	-	-	-	-	-	105I	213A	17	3/4X3	
124	-	100	36	8B13	-	-	-	-	-	-	17.4K	17.4K	9	3/4X3	
125	-	100	36	8B13	-	-	-	-	-	-	17.4K	17.4K	9	3/4X3	
126	-	404	50	18WF50	-	-	-	-	-	-	274A	338D	26	3/4X3	
127	-	100	50	16WF45	-	-	-	-	-	-	208C	220I	39	3/4X3D	
128	-	100	36	16B31	-	-	-	-	-	-	26.5K	26.5K	29	3/4X3	
129	-	100	36	12B16.5	-	-	-	-	-	-	26.5K	26.5K	13	3/4X3	
130	-	100	36	16WF40	-	-	-	-	-	-	26.5K	208C	-	-	
131	-	100	36	16WF40	-	-	-	-	-	-	335C	205F	-	-	1
132	-	100	36	16WF40	-	-	-	-	-	-	401A	401A	-	-	
133	-	100	36	16WF40	-	-	-	-	-	-	205F	220K	-	-	

REMARKS

- 1 DETAIL 405 LEFT END OF BEAM
- 2 DETAIL 406 RIGHT END OF BEAM
- 3 DETAIL 406 LEFT END OF BEAM
- 4 USE DETAIL 170G IF STD CONNECTION INTERFERES.
- 5 BEAM TYPE 402 AT FLOOR 9 TOWER B
- 6 USE 4-1/2 X 1/4 PLATE 1



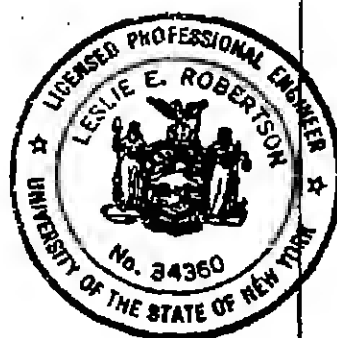
SKILLING-HELLE-CHRISTIANSEN-ROBERTSON

Civil & Structural Engineers

PROJECT THE WORLD TRADE CENTER					TITLE BEAM SCHEDULE TOWERS A AND B						DATE 10/ 9/68				
BEAM NO.	SIZE	TYPE	FY	SHAPE	PLATE 1		PLATE 2		DIMENSIONS		SUPPORTS		STUDS		REMARKS
					WIDTH	THICK	WIDTH	THICK	LENGTH	DIM. A	LEFT	RIGHT	NO.	SIZE	
134	25X7 BU	30C	36	-	7	1- 1/2	22	3/4	-	-	278A	338E	-	-	3
135	-	10C	36	18WF45	-	-	-	-	-	-	456D	26.5K	-	-	
136	-	10C	36	18WF45	-	-	-	-	-	-	26.5K	26.5K	-	-	
137	38X7 BU	30I	36	-	7	1- 3/4	34-1/2	3/4	-	-	352A	220I	-	-	1
138	-	10C	36	16WF40	-	-	-	-	-	-	335C	205F	-	-	2
139	25X7 BU	30C	36	-	7	1	23	1/2	-	-	404A	403A	-	-	X
140	25X7 BU	30C	36	-	7	1	23	1/2	-	-	205G	220J	-	-	
141	-	10C	50	16WF50	-	-	-	-	-	-	26.5K	352A	-	-	
142	25X6 BU	30C	36	-	6	1	23	1/2	-	-	105G	278A	-	-	2
143	25X6 BU	30C	36	-	6	1- 1/2	22	5/8	-	-	105E	44.2K	-	-	
144	-	10C	36	16WF40	-	-	-	-	-	-	335C	205F	-	-	
145	-	10C	36	16WF40	-	-	-	-	-	-	401A	401A	-	-	2
146	-	10C	36	16WF40	-	-	-	-	-	-	205F	220I	-	-	
147	-	10C	36	16WF40	-	-	-	-	-	-	307C	310B	-	-	
148	-	10C	36	16WF40	-	-	-	-	-	-	402A	402A	-	-	2
149	-	10C	36	16WF40	-	-	-	-	-	-	205F	220I	-	-	
150	-	10C	36	16WF40	-	-	-	-	-	-	205F	220I	35	3/4X3F	
151	-	10C	36	14B22	-	-	-	-	-	-	26.5K	26.5K	19	3/4X3F	2
152	-	10C	36	12B16.5	-	-	-	-	-	-	26.5K	26.5K	18	3/4X3	
153	-	10C	36	9CH13.4	-	-	-	-	-	-	17.4K	17.4K	-	-	
154	-	10C	36	12B16.5	-	-	-	-	-	-	26.5K	26.5K	10	3/4X3B	2
155	-	10C	36	12B16.5	-	-	-	-	-	-	26.5K	26.5K	18	3/4X3	
156	-	10C	36	16WF36	-	-	-	-	-	-	208C	208C	39	3/4X3J	
157	18X4 BX	200	36	-	2-1/2	3/8	18	3/4	-	-	296B	274A	-	-	2
158	-	10C	36	12B16.5	-	-	-	-	-	-	26.5K	26.5K	13	3/4X3	
159	-	10C	36	16B31	-	-	-	-	-	-	26.5K	26.5K	24	3/4X3	
160	-	10C	36	18WF50	-	-	-	-	-	-	26.5K	213A	-	-	2
161	-	10C	36	16WF45	-	-	-	-	-	-	208C	172B	47	3/4X3D	
162	-	10C	50	16WF40	-	-	-	-	-	-	106A	111I	39	3/4X3	
163	-	10C	50	16WF36	-	-	-	-	-	-	106A	111I	39	3/4X3D	2
164	-	10C	36	16WF36	-	-	-	-	-	-	26.5K	105I	12	3/4X3B	
165	-	10C	36	16B26	-	-	-	-	-	-	105I	213A	17	3/4X3	
166	-	10C	36	8B13	-	-	-	-	-	-	17.4K	17.4K	11	3/4X3	

REMARKS

- 1 REINF. PLATES 6FT-0 X 3/4
- 2 DETAIL 405 LEFT END OF BEAM
- 3 DETAIL 456E LEFT END OF BEAM



SKILLING-HELLE-CHRISTIANSEN-ROBERTSON

Civil & Structural Engineers

PROJECT	THE WORLD TRADE CENTER	TITLE	BEAM SCHEDULE TOWERS A AND B	DATE	1/2.
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REVISIONS

BEAM NO.	SIZE	TYPE	FY	SHAPE	PLATE 1		PLATE 2		DIMENSIONS		SUPPORTS		STUDS		REMARKS
					WIDTH	THICK	WIDTH	THICK	LENGTH	DIM. A	LEFT	RIGHT	NO.	SIZE	
167	-	100	36	8B13	-	-	-	-	-	-	17.4K	17.4K	11	3/4X3	
168	-	100	36	14B22	-	-	-	-	-	-	105A	26.5K	19	3/4X3	
169	-	100	36	12B19	-	-	-	-	-	-	26.5K	26.5K	15	3/4X3	
170	-	100	36	12B16.5	-	-	-	-	-	-	26.5K	26.5K	15	3/4X3	
171	-	100	36	16WF40	-	-	-	-	-	-	335C	2D5F	-	-	2
172	-	100	36	16WF40	-	-	-	-	-	-	401A	401A	-	-	X
173	-	100	36	16WF40	-	-	-	-	-	-	205F	2201	-	-	
174	-	100	36	12B19	-	-	-	-	-	-	26.5K	26.5K	36	5/8X2	
175	-	100	36	16WF40	-	-	-	-	-	-	220K	205F	-	-	
176	25X7 BU	300	36	-	7	1- 1/2	22	3/4	-	-	57.0K	42.8K	-	-	
177	38X7 BU	301	36	-	7	1- 3/4	34-1/2	3/4	-	-	352A	172B	39	3/4X3D	1
178	-	100	36	18WF50	-	-	-	-	-	-	106A	111J	76	3/4X3	
179	-	100	36	16WF40	-	-	-	-	-	-	106A	111I	39	3/4X3D	
180	25X6 BU	300	36	-	6	1- 1/2	22	5/8	-	-	201D	1700	-	-	
181	-	100	36	18WF45	-	-	-	-	-	-	26.5K	456A	-	-	
182	25X6 BU	300	36	-	6	1- 1/2	22	5/8	-	-	105E	74.9K	-	-	
183	-	100	36	16WF36	-	-	-	-	-	-	26.5K	26.5K	39	3/4X3	
184	25X6 BU	300	36	-	6	1	23	1/2	-	-	201D	2010	-	-	
185	-	100	36	18WF45	-	-	-	-	-	-	26.5K	26.5K	-	-	
186	25X6 BU	300	36	-	6	1	23	1/2	-	-	105J	105E	-	-	
187	-	100	36	12B16.5	-	-	-	-	-	-	26.5K	26.5K	22	3/4X3	
188	-	100	36	18WF45	-	-	-	-	-	-	28.8K	105B	26	3/4X3B	
189	-	100	36	16WF40	-	-	-	-	-	-	307C	310B	-	-	2
190	-	100	36	16WF40	-	-	-	-	-	-	402A	402A	-	-	
191	-	100	36	16WF40	-	-	-	-	-	-	205F	2201	-	-	
192	25X7 BU	305	36	-	7	1	23	1/2	-	-	335D	205G	-	-	2
193	25X7 BU	300	36	-	7	1	23	1/2	-	-	403A	403A	-	-	
194	25X7 BU	300	36	-	7	1	23	1/2	-	-	205G	2201	-	-	
195	-	100	36	14B22	-	-	-	-	-	-	201A	26.5K	19	3/4X3	
196	-	100	50	12B19	-	-	-	-	-	-	26.5K	26.5K	21	3/4X3	
197	-	100	36	12B19	-	-	-	-	-	-	26.5K	26.5K	-	-	
198	-	100	36	12B16.5	-	-	-	-	-	-	105A	26.5K	15	3/4X4-1/2C	
199	-	100	36	12B16.5	-	-	-	-	-	-	26.5K	26.5K	-	-	

REMARKS

- 1 REINF. PLATES 7FT-0 X 3/4
- 2 DETAIL 405 LEFT END OF BEAM



SKILLING-HELLE-CHRISTIANSEN-ROBERTSON

Civil & Structural Engineers

PROJECT

THE WORLD TRADE CENTER

TITLE

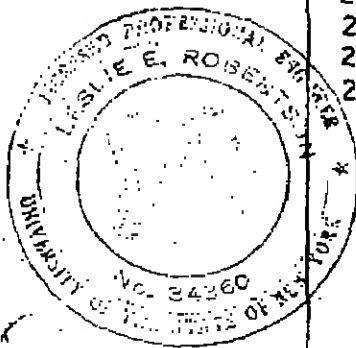
BEAM SCHEDULE TOWERS A AND B

DATE

11/21/67

REVISIONS

BEAM NO.	SIZE	TYPE	FY	SHAPE	PLATE 1		PLATE 2		DIMENSIONS		SUPPORTS		STIFFS		REMARKS
					WIDTH	THICK	WIDTH	THICK	LENGTH	DIM. A	LEFT	RIGHT	NO.	SIZE	
200	-	100	36	RB13	-	-	-	-	-	-	17.4K	17.4K	-	-	
201	18X4 CH	509	50	18CH45.8	-	-	-	-	-	-	233A	245A	-	-	
202	-	100	36	18CH42.7	-	-	-	-	-	-	410A	411A	-	-	
203	18X4 CH	100	50	18CH42.7	-	-	-	-	-	-	245A	255A	-	-	
204	-	100	36	10CH25	-	-	-	-	-	-	255A	255A	-	-	
205	18X4 CH	508	50	18CH42.7	2-7/8	7/8	-	-	24FT 0	1FT 0	255A	245A	-	-	
206	-	100	36	18CH42.7	-	-	-	-	-	-	412A	410A	-	-	
207	-	100	50	18CH45.8	-	-	-	-	-	-	245A	233A	-	-	
208	-	100	50	18CH45.8	-	-	-	-	-	-	233A	245A	-	-	
209	-	100	36	18CH42.7	-	-	-	-	-	-	410A	412A	-	-	
210	18X4 CH	501	50	18CH42.7	2-7/8	7/8	-	-	24FT 0	1FT 0	245A	255A	-	-	
211	-	100	36	10CH25	-	-	-	-	-	-	255A	255A	-	-	
212	18X4 CH	100	50	18CH42.7	-	-	-	-	-	-	255A	245A	-	-	
213	-	100	36	18CH42.7	-	-	-	-	-	-	411A	410A	-	-	
214	18X4 CH	502	50	18CH45.8	-	-	-	-	-	-	245A	233A	-	-	
215	-	100	50	15CH50.0	-	-	-	-	-	-	233A	315A	-	-	
216	-	100	36	15CH33.9	-	-	-	-	-	-	420A	421A	-	-	
217	-	100	36	15CH33.9	-	-	-	-	-	-	422A	423A	-	-	
218	-	100	50	15CH50.0	-	-	-	-	-	-	315A	233A	-	-	
219	18X4 CH	509	50	18CH45.8	-	-	-	-	-	-	232A	246A	-	-	
220	-	100	36	18CH42.7	-	-	-	-	-	-	410A	411A	-	-	
221	18X4 CH	100	50	18CH42.7	-	-	-	-	-	-	246A	355A	-	-	
222	-	100	36	10CH25	-	-	-	-	-	-	355A	249A	-	-	
223	18X4 CH	508	50	18CH42.7	2-7/8	7/8	-	-	24FT 0	1FT 0	249A	246A	-	-	
224	-	100	36	18CH42.7	-	-	-	-	-	-	412A	410A	-	-	
225	-	100	50	18CH45.8	-	-	-	-	-	-	246A	232A	-	-	
226	-	100	50	18CH45.8	-	-	-	-	-	-	232A	246A	-	-	
227	-	100	36	18CH42.7	-	-	-	-	-	-	410A	412A	-	-	
228	18X4 CH	501	50	18CH42.7	2-7/8	7/8	-	-	24FT 0	1FT 0	246A	249A	-	-	
229	-	100	36	10CH25	-	-	-	-	-	-	249A	249A	-	-	
230	18X4 CH	100	50	18CH42.7	-	-	-	-	-	-	249A	246A	-	-	
231	-	100	36	18CH42.7	-	-	-	-	-	-	411A	410A	-	-	
232	18X4 CH	502	50	18CH45.8	-	-	-	-	-	-	246A	232A	-	-	
233	-	100	36	15CH33.9	-	-	-	-	-	-	315A	315D	-	-	



SKILLING-HELLE-CHRISTIANSEN-ROBERTSON

Civil & Structural Engineers

PROJECT	THE WORLD TRADE CENTER	TITLE	BEAM SCHEDULE TOWERS A AND B	DATE	1/22/68
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REVISIONS

BEAM NO.	SIZE	TYPE	FY	SHAPE	PLATE 1		PLATE 2		DIMENSIONS		SUPPORTS		STUDS		REMARKS
					WIDTH	THICK	WIDTH	THICK	LENGTH	DIM. A	LEFT	RIGHT	NO.	SIZE	
234	-	100	36	15CH33.9	-	-	-	-	-	-	422A	423A	-	-	
235	-	100	36	15CH40	-	-	-	-	-	-	420A	351B	-	-	
236	30X9 BX	251	36	-	9	1	28	3/8	-	-	347A	347A	-	-	1
237	-	100	50	15CH50.0	-	-	-	-	-	-	233A	315A	-	-	
238	-	100	36	15CH40	-	-	-	-	-	-	422A	423A	-	-	
239	-	100	50	15CH50.0	-	-	-	-	-	-	315B	233A	-	-	
240	-	100	50	15CH50.0	-	-	-	-	-	-	315A	233A	-	-	
241	-	100	50	15CH50.0	-	-	-	-	-	-	233A	315A	-	-	
242	-	100	36	15CH33.9	-	-	-	-	-	-	420A	421A	-	-	
243	-	100	36	15CH40	-	-	-	-	-	-	422A	423A	-	-	
244	-	100	36	15CH33.9	-	-	-	-	-	-	422A	423A	-	-	
245	-	100	36	14822	-	-	-	-	-	-	201A	26.5K	19	3/4X3	
246	-	100	50	15CH50.0	-	-	-	-	-	-	233A	315A	-	-	
247	-	100	36	15CH33.9	-	-	-	-	-	-	420A	421A	-	-	
248	-	100	36	15CH33.9	-	-	-	-	-	-	422A	423A	-	-	
249	-	100	50	15CH50.0	-	-	-	-	-	-	315A	233A	-	-	
250	18X4 BX	200	36	-	2-1/2	3/8	18	3/4	-	-	296B	274A	-	-	
251	-	100	36	16B26	-	-	-	-	-	-	105B	105B	8	3/4X3	
252	-	100	36	8B13	-	-	-	-	-	-	17.4K	17.4K	8	3/4X3	
253	-	100	36	8B13	-	-	-	-	-	-	17.4K	17.4K	-	-	
254	-	100	36	8B13	-	-	-	-	-	-	105H	105A	8	3/4X3-1/2	
255	-	100	36	16WF45	-	-	-	-	-	-	106A	106A	41	3/4X3	
256	-	100	36	16WF40	-	-	-	-	-	-	307C	310B	-	-	2
257	-	100	36	16WF40	-	-	-	-	-	-	402A	402A	-	-	
258	-	100	36	16WF40	-	-	-	-	-	-	205F	220I	-	-	
259	-	402	36	16WF40	4	3/8	-	-	16FT 0	-	335C	205F	-	-	2
260	-	402	36	16WF40	4	3/8	-	-	12FT 0	-	402A	402A	-	-	
261	-	100	36	16WF40	-	-	-	-	-	-	205F	220I	15	3/4X3	
262	-	100	36	12B19	-	-	-	-	-	-	26.5K	26.5K	15	3/4X3	
263	-	100	36	12B19	-	-	-	-	-	-	26.5K	26.5K	-	-	
264	-	100	36	8B13	-	-	-	-	-	-	17.4K	17.4K	-	-	
265	-	100	50	16WF40	-	-	-	-	-	-	335C	205F	-	-	2
266	-	100	36	16WF40	-	-	-	-	-	-	402A	402A	-	-	

REMARKS

- 1 SEE 5-AB2
- 2 DETAIL 405 LEFT END OF BEAM



SKILLING-HELLE-CHRISTIANSEN-ROBERTSON

Civil & Structural Engineers

PROJECT		THE WORLD TRADE CENTER			TITLE		BEAM SCHEDULE TOWERS A AND B					DATE		10/ 9/68	
BEAM NO.	SIZE	TYPE	FY	SHAPE	PLATE 1		PLATE 2		DIMENSIONS		SUPPORTS		STUDS		REMARKS
					WIDTH	THICK	WIDTH	THICK	LENGTH	DIM. A	LEFT	RIGHT	NO.	SIZE	
267	-	100	36	16WF40	-	-	-	-	-	-	205F	220I	-	-	
268	-	100	36	16B31	-	-	-	-	-	-	26.5K	26.5K	24	3/4X3	
269	-	100	36	12B16.5	-	-	-	-	-	-	26.5K	26.5K	15	3/4X3	
270	-	100	36	12B16.5	-	-	-	-	-	-	26.5K	26.5K	15	3/4X3	
271	-	100	36	12B19	-	-	-	-	-	-	26.5K	26.5K	18	3/4X3	
272	-	100	36	12B16.5	-	-	-	-	-	-	26.5K	26.5K	-	-	X
273	-	100	36	12B16.5	-	-	-	-	-	-	26.5K	26.5K	13	3/4X3	
274	-	100	36	8B13	-	-	-	-	-	-	17.4K	17.4K	11	3/4X3	
275	-	100	36	8B13	-	-	-	-	-	-	17.4K	17.4K	11	3/4X3	
276	-	100	36	8B13	-	-	-	-	-	-	105H	105A	11	3/4X3	
277	16X5-1/2BX	201	36	-	4	3/8	16	3/4	-	-	254B	247A	-	-	
278	-	100	36	16WF40	-	-	-	-	-	-	220F	205F	-	-	
279	-	100	36	16WF40	-	-	-	-	-	-	401A	401A	-	-	
280	-	100	36	16WF40	-	-	-	-	-	-	205F	335C	-	-	1
281	-	100	50	16WF40	-	-	-	-	-	-	335C	205F	-	-	2
282	-	100	36	16WF40	-	-	-	-	-	-	402A	402A	-	-	
283	-	100	36	16WF40	-	-	-	-	-	-	205F	220I	33	3/4X3	
284	-	100	36	18WF50	-	-	-	-	-	-	338D	274A	-	-	
285	-	100	36	16WF45	-	-	-	-	-	-	220I	208C	39	3/4X3D	
286	-	100	36	16WF36	-	-	-	-	-	-	208C	287E	39	3/4X3J	
287	-	100	50	16WF36	-	-	-	-	-	-	106A	106B	39	3/4X3	
288	-	100	50	16WF36	-	-	-	-	-	-	106A	106B	39	3/4X3D	
289	-	100	50	16WF36	-	-	-	-	-	-	106B	111I	39	3/4X3	
290	-	100	36	16B31	-	-	-	-	-	-	26.5K	26.5K	-	-	
291	-	100	36	16WF36	-	-	-	-	-	-	26.5K	208C	15	3/4X3B	
292	-	100	36	15CH40	-	-	-	-	-	-	420A	351A	-	-	
293	30X9 BX	251	36	-	9	1	28	3/8	-	-	347A	347A	-	-	
294	25X7 BU	300	36	-	7	1	23	1/2	-	-	220J	205G	-	-	
295	25X7 BU	300	36	-	7	1	23	1/2	-	-	403A	404A	-	-	
296	-	100	36	16WF40	-	-	-	-	-	-	205F	335C	-	-	1
297	-	100	36	16WF58	-	-	-	-	-	-	26.5K	26.5K	-	-	
298	25X6 BU	300	36	-	6	1	23	1/2	-	-	111L	278A	-	-	
299	-	100	36	16WF58	-	-	-	-	-	-	456D	26.5K	-	-	3

REMARKS

- 1 DETAIL 405 RIGHT END OF BEAM
- 2 DETAIL 405 LEFT END OF BEAM
- 3 DETAIL 456E LEFT END OF BEAM



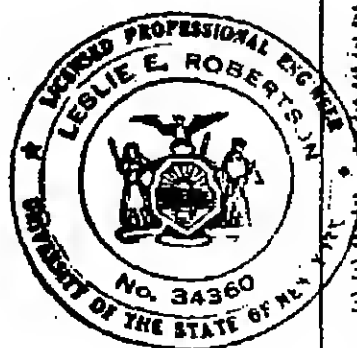
SKILLING-HELLE-CHRISTIANSEN-ROBERTSON

Civil & Structural Engineers

PROJECT		THE WORLD TRADE CENTER				TITLE		BEAM SCHEDULE TOWERS A AND B						DATE		1/22/68	
BEAM NO.	SIZE	TYPE	FY	SHAPE	PLATE 1		PLATE 2		DIMENSIONS		SUPPORTS		STUDS		REMARKS		
					WIDTH	THICK	WIDTH	THICK	LENGTH	DIM. A	LEFT	RIGHT	NO.	SIZE			
300	25X6 BU	300	36	-	6	1- 1/2	22	5/8	-	-	105E	44.2K	-	-			
301	25X7 BU	300	36	-	7	1- 1/2	22	3/4	-	-	338E	278A	-	-			
302	38X7 BU	301	36	-	7	1- 3/4	34-1/2	3/4	-	-	220I	3528	-	-	1		
303	-	100	50	16WF36	-	-	-	-	-	-	106A	106B	39	3/4X3			
304	-	100	50	16WF36	-	-	-	-	-	-	106A	106B	39	3/4X3			
305	-	100	36	16WF40	-	-	-	-	-	-	111I	354B	33	3/4X3	X		
306	-	100	36	16WF36	-	-	-	-	-	-	111H	106A	33	3/4X3D			
307	-	100	36	14WF43	-	-	-	-	-	-	26.5K	109B	15	3/4X3B			
308	-	100	50	16WF40	-	-	-	-	-	-	220I	205F	44	3/4X3			
309	-	100	36	16WF40	-	-	-	-	-	-	401A	401A	-	-			
310	-	100	36	16WF40	-	-	-	-	-	-	335C	205F	-	-	2		
311	-	100	36	16WF40	-	-	-	-	-	-	402A	402A	-	-			
312	-	100	36	12B19	-	-	-	-	-	-	26.5K	26.5K	18	3/4X3			
313	-	100	36	12B19	-	-	-	-	-	-	26.5K	26.5K	15	3/4X3			
314	-	100	36	14B22	-	-	-	-	-	-	354B	26.5K	16	3/4X3			
315	-	100	36	14B22	-	-	-	-	-	-	105B	175B	19	3/4X3			
316	-	100	36	12B16.5	-	-	-	-	-	-	105H	26.5K	13	3/4X4-1/2C			
317	-	100	36	8B13	-	-	-	-	-	-	17.4K	17.4K	9	3/4X3			
318	-	100	36	8B13	-	-	-	-	-	-	17.4K	17.4K	9	3/4X3			
319	-	100	36	16B26	-	-	-	-	-	-	111M	213A	24	3/4X3			
320	-	100	50	16WF36	-	-	-	-	-	-	106B	111I	39	3/4X3			
321	-	100	36	16B26	-	-	-	-	-	-	105B	105B	16	3/4X3			
322	-	100	36	8B13	-	-	-	-	-	-	105H	105H	9	3/4X4-1/2			
323	-	404	36	18WF45	-	-	-	-	-	-	26.5K	274A	26	3/4X3			
324	-	100	36	15CH40	-	-	-	-	-	-	422A	423A	-	-			
325	-	100	36	16WF40	-	-	-	-	-	-	220I	205F	-	-			
326	-	100	36	16WF40	-	-	-	-	-	-	401A	401A	-	-			
327	-	100	36	16WF40	-	-	-	-	-	-	111I	354B	39	3/4X3			
328	-	100	36	16WF36	-	-	-	-	-	-	220I	208D	39	3/4X3E			
329	-	100	36	12B19	-	-	-	-	-	-	26.5K	26.5K	15	3/4X3			
330	-	100	36	12B19	-	-	-	-	-	-	26.5K	26.5K	15	3/4X3			
331	-	100	36	12B19	-	-	-	-	-	-	354B	26.5K	15	3/4X3			
332	-	100	36	8B13	-	-	-	-	-	-	17.4K	17.4K	11	3/4X3			
333	-	100	36	8B13	-	-	-	-	-	-	17.4K	17.4K	11	3/4X3			

REMARKS

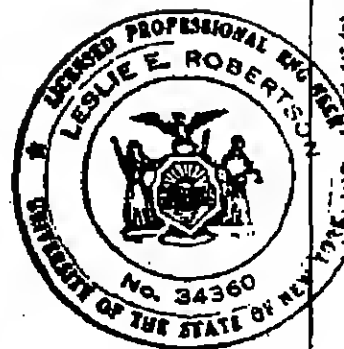
- 1 REINF. PLATES 7FT-6 X 3/4
- 2 DETAIL 405 LEFT END OF BEAM



SKILLING-HELLE-CHRISTIANSEN-ROBERTSON

Civil & Structural Engineers

PROJECT THE WORLD TRADE CENTER					TITLE BEAM SCHEDULE TOWERS A AND B						DATE 1/22/68				
BEAM NO.	SIZE	TYPE	FY	SHAPE	PLATE 1		PLATE 2		DIMENSIONS		SUPPORTS		STUDS		REMARKS
					WIDTH	THICK	WIDTH	THICK	LENGTH	DIM. A	LEFT	RIGHT	NO.	SIZE	
334	-	100	36	8813	-	-	-	-	-	-	17.4K	17.4K	11	3/4X3	
335	-	100	36	16826	-	-	-	-	-	-	111M	213A	21	3/4X3	
336	-	100	50	15CH50.0	-	-	-	-	-	-	315A	233A	-	-	
337	-	100	36	15CH33.9	-	-	-	-	-	-	422A	423A	-	-	
338	-	100	36	12819	-	-	-	-	-	-	26.5K	26.5K	40	5/8X2	
339	-	100	36	12819	-	-	-	-	-	-	26.5K	26.5K	15	3/4X3	
340	-	100	36	12819	-	-	-	-	-	-	26.5K	26.5K	15	3/4X3	
341	-	100	36	14822	-	-	-	-	-	-	354B	26.5K	16	3/4X3	
342	-	100	36	14826	-	-	-	-	-	-	283M	172B	-	-	
343	-	100	36	14822	-	-	-	-	-	-	208B	335C	16	3/4X3	
344	-	100	36	14822	-	-	-	-	-	-	216A	335C	16	3/4X3	
345	-	100	36	14822	-	-	-	-	-	-	105B	175B	16	3/4X3	
346	-	100	36	8813	-	-	-	-	-	-	17.4K	17.4K	9	3/4X3	
347	-	100	36	8813	-	-	-	-	-	-	17.4K	17.4K	9	3/4X3	
348	-	100	36	8813	-	-	-	-	-	-	17.4K	17.4K	9	3/4X3	
349	-	100	36	16826	-	-	-	-	-	-	111M	213A	-	-	
350	-	100	36	8813	-	-	-	-	-	-	17.4K	17.4K	9	5/8X2	
351	16X4 BX	200	36	-	2-1/2	3/8	16	3/4	-	-	372A	282A	-	-	
352	-	100	36	14822	-	-	-	-	-	-	26.5K	208B	9	3/4X3	
353	-	100	36	8813	-	-	-	-	-	-	105D	105D	9	3/4X3	
354	-	100	36	16826	-	-	-	-	-	-	105B	105B	-	-	
355	-	100	36	16WF36	-	-	-	-	-	-	26.5K	208D	15	3/4X3B	
356	-	100	36	16WF36	-	-	-	-	-	-	170B	287E	15	3/4X3B	
357	-	100	36	14822	-	-	-	-	-	-	335C	26.5K	13	3/4X3	
358	-	100	36	16WF36	-	-	-	-	-	-	307C	208D	15	3/4X3B	
359	-	404	36	18WF45	-	-	-	-	-	-	274A	282A	-	-	
360	-	100	36	16WF36	-	-	-	-	-	-	26.5K	26.5K	-	-	
361	-	100	36	16WF36	-	-	-	-	-	-	220I	208D	39	3/4X3E	
362	-	100	36	16WF36	-	-	-	-	-	-	208D	287E	39	3/4X3J	
363	-	100	36	16WF36	-	-	-	-	-	-	287E	208D	39	3/4X3	
364	-	100	36	16WF36	-	-	-	-	-	-	208D	26.5K	9	3/4X3F	
365	-	100	36	14822	-	-	-	-	-	-	26.5K	26.5K	16	3/4X3	
366	30X9 BX	251	36	-	9	1	28	3/8	-	-	347A	347A	-	-	



SKILLING-HELLE-CHRISTIANSEN-ROBERTSON

Civil & Structural Engineers

PROJECT

THE WORLD TRADE CENTER

TITLE

BEAM SCHEDULE TOWERS A AND B

DATE

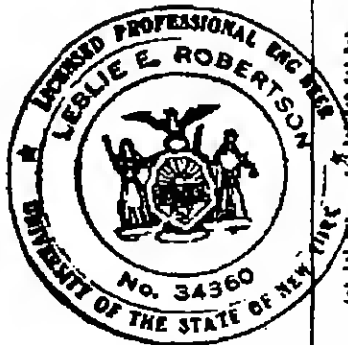
1/22/68

REVISIONS

BEAM NO.	SIZE	TYPE	FY	SHAPE	PLATE 1		PLATE 2		DIMENSIONS		SUPPORTS		STUDS		REMARKS
					WIDTH	THICK	WIDTH	THICK	LENGTH	DIM. A	LEFT	RIGHT	NO.	SIZE	
367	-	100	36	12816.5	-	-	-	-	-	-	26.5K	26.5K	13	3/4X3	
368	-	100	36	15CH33.9	-	-	-	-	-	-	315A	315D	-	-	
369	-	100	36	12816.5	-	-	-	-	-	-	17.4K	17.4K	14	3/4X3E	
370	-	100	36	15CH40	-	-	-	-	-	-	315B	315E	-	-	
371	-	100	36	16WF45	-	-	-	-	-	-	1111	354B	41	3/4X3	
372	-	404	36	16WF45	-	-	-	-	-	-	213A	282A	(26)	3/4X3	
373	-	100	36	16WF40	-	-	-	-	-	-	220I	205F	-	-	
374	-	100	36	16WF40	-	-	-	-	-	-	401A	401A	-	-	
375	-	100	36	16WF40	-	-	-	-	-	-	205F	335C	-	-	1
376	-	100	36	16WF40	-	-	-	-	-	-	335C	205F	-	-	2
377	-	100	36	16WF40	-	-	-	-	-	-	402A	402A	-	-	
378	-	100	36	16WF40	-	-	-	-	-	-	205F	220I	-	-	
379	-	100	36	16WF40	-	-	-	-	-	-	220I	205F	-	-	
380	-	100	36	16WF40	-	-	-	-	-	-	402A	402A	-	-	
381	-	100	36	16WF40	-	-	-	-	-	-	205F	335C	-	-	1
382	-	100	36	16WF40	-	-	-	-	-	-	307C	310B	-	-	2
383	-	100	36	16WF40	-	-	-	-	-	-	402A	402A	-	-	
384	-	100	36	16WF40	-	-	-	-	-	-	205F	220I	-	-	
385	-	100	36	16B31	-	-	-	-	-	-	220D	254C	-	-	
386	-	100	36	16B31	-	-	-	-	-	-	254C	254C	-	-	
387	-	100	36	16B31	-	-	-	-	-	-	254C	335B	-	-	3
388	-	100	36	16B31	-	-	-	-	-	-	335B	254C	-	-	4
389	-	100	36	16B31	-	-	-	-	-	-	254C	254C	-	-	
390	-	100	36	16B31	-	-	-	-	-	-	254C	220D	-	-	
391	-	100	36	16B31	-	-	-	-	-	-	220D	254B	-	-	
392	-	100	36	16B31	-	-	-	-	-	-	254B	254B	-	-	
393	-	100	36	16B31	-	-	-	-	-	-	254B	335B	-	-	3
394	-	100	36	16B31	-	-	-	-	-	-	335B	254B	-	-	4
395	-	100	36	16B31	-	-	-	-	-	-	254B	254B	-	-	
396	-	100	36	16B31	-	-	-	-	-	-	254B	220D	-	-	
397	-	100	36	12819	-	-	-	-	-	-	335B	235C	13	3/4X3	
398	-	100	36	12819	-	-	-	-	-	-	335B	235D	13	3/4X3	
399	-	100	36	16B26	-	-	-	-	-	-	201F	201F	-	-	

REMARKS

- 1 DETAIL 405 RIGHT END OF BEAM
- 2 DETAIL 405 LEFT END OF BEAM
- 3 DETAIL 406 RIGHT END OF BEAM
- 4 DETAIL 406 LEFT END OF BEAM



SKILLING, HELLE, CHRISTIANSEN, ROBERTSON

Structural & Civil Engineers

PROJECT

THE WORLD TRADE CENTER

TITLE

BEAM SCHEDULE TOWERS A AND B

DATE 12/ 6/68

REVISIONS

BEAM NO.	SIZE	TYPE	FY	SHAPE	PLATE 1		PLATE 2		DIMENSIONS		SUPPORTS		STUDS		REMARKS
					WIDTH	THICK	WIDTH	THICK	LENGTH	DIM. A	LEFT	RIGHT	NO.	SIZE	
400	-	100	36	14B22	-	-	-	-	-	-	26.5K	26.5K	-	-	
401	-	100	36	12B19	-	-	-	-	-	-	235C	335E	13	3/4X3	
402	-	100	36	12WF27	-	-	-	-	-	-	26.5K	26.5K	-	-	
403	-	100	36	15CH33.9	-	-	-	-	-	-	315A	315C	-	-	
404	-	100	36	8B13	-	-	-	-	-	-	17.4K	17.4K	-	-	
405	-	100	36	15CH33.9	-	-	-	-	-	-	315A	315D	-	-	
406	-	100	36	15CH33.9	-	-	-	-	-	-	315B	315E	-	-	X
407	-	100	36	15CH33.9	-	-	-	-	-	-	315A	315D	-	-	
408	18X4 CH	505	50	18CH58.0	-	-	-	-	-	-	232A	246A	-	-	
409	-	100	36	18CH42.7	-	-	-	-	-	-	410A	411A	-	-	
410	18X4 CH	100	50	18CH45.8	-	-	-	-	-	-	246A	355A	-	-	
411	-	100	36	10CH25	-	-	-	-	-	-	355A	249A	-	-	
412	18X4 CH	505	50	18CH42.7	2-7/8	1-1/4	-	-	24FT 0	1FT 0	249A	249A	-	-	
413	-	100	36	18CH42.7	-	-	-	-	-	-	412A	410A	-	-	
414	-	100	50	18CH58.0	-	-	-	-	-	-	246A	232A	-	-	
415	-	100	50	18CH58.0	-	-	-	-	-	-	232A	246A	-	-	
416	-	100	36	18CH42.7	-	-	-	-	-	-	410A	412A	-	-	
417	18X4 CH	501	50	18CH42.7	2-7/8	1-1/4	-	-	24FT 0	1FT 0	246A	249A	-	-	
418	-	100	36	10CH25	-	-	-	-	-	-	249A	249A	-	-	
419	18X4 CH	100	50	18CH45.8	-	-	-	-	-	-	249A	246A	-	-	
420	-	100	36	18CH42.7	-	-	-	-	-	-	411A	410A	-	-	
421	18X4 CH	502	50	18CH58.0	-	-	-	-	-	-	246A	232A	-	-	
422	15X3-3/8CH	505	50	15CH40.0	2-3/8	3/4	-	-	FULL LENGTH	-	232A	315B	-	-	
423	-	100	36	15CH33.9	-	-	-	-	-	-	424A	421A	-	-	
424	-	100	36	15CH33.9	-	-	-	-	-	-	422A	425A	-	-	
425	15X3-3/8CH	505	50	15CH40.0	2-3/8	3/4	-	-	FULL LENGTH	-	315B	232A	-	-	
426	15X3-3/8CH	505	50	15CH40.0	2-3/8	3/4	-	-	FULL LENGTH	-	232A	315A	-	-	
427	-	100	36	15CH33.9	-	-	-	-	-	-	424A	421A	-	-	
428	-	100	36	15CH33.9	-	-	-	-	-	-	422A	425A	-	-	
429	15X3-3/8CH	505	50	15CH40.0	2-3/8	3/4	-	-	FULL LENGTH	-	315A	232A	-	-	
430	-	100	36	12B16.5	-	-	-	-	-	-	26.5K	26.5K	-	-	
431	-	100	36	14B22	-	-	-	-	-	-	26.5K	26.5K	24	3/4X3	
432	-	100	36	14B22	-	-	-	-	-	-	26.5K	26.5K	24	3/4X3	
433	-	100	36	14B22	-	-	-	-	-	-	283I	26.5K	-	-	



SKILLING, HELLE, CHRISTIANSEN, ROBERTSON

Structural & Civil Engineers

PROJECT	TITLE	DATE
THE WORLD TRADE CENTER	BEAM SCHEDULE TOWERS A AND B	12/ 6/66

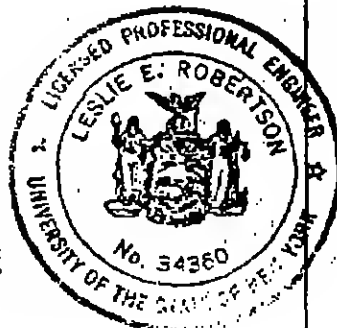
REVISIONS

BEAM NO.	SIZE	TYPE	FY	SHAPE	PLATE 1		PLATE 2		DIMENSIONS		SUPPORTS		STUDS		REMARKS
					WIDTH	THICK	WIDTH	THICK	LENGTH	DIM. A	LEFT	RIGHT	NO.	SIZE	
434	-	100	36	16B26	-	-	-	-	-	-	308A	335A	27	3/4X3	
435	-	100	36	16B26	-	-	-	-	-	-	218A	335A	27	3/4X3	
436	-	100	36	14B22	-	-	-	-	-	-	283M	170C	18	3/4X3	
* 437	-	100	36	14B22	-	-	-	-	-	-	26.5K	26.5K	24	3/4X3	
438	-	100	36	16WF36	-	-	-	-	-	-	220I	364C	-	-	
439	-	100	36	16WF36	-	-	-	-	-	-	364C	303A	-	-	X
440	-	100	36	12B19	-	-	-	-	-	-	501A	26.5K	-	-	
441	-	100	36	14B22	-	-	-	-	-	-	111H	26.5K	-	-	
442	-	100	36	14B22	-	-	-	-	-	-	283J	303A	-	-	
443	-	100	36	8B13	-	-	-	-	-	-	105A	105A	-	-	
444	-	100	36	16WF36	-	-	-	-	-	-	205I	303A	-	-	2
445	-	100	36	8B13	-	-	-	-	-	-	17.4K	504A	-	-	
446	-	100	36	8B13	-	-	-	-	-	-	504A	365A	-	-	
447	-	100	36	9CH13.4	-	-	-	-	-	-	366A	501A	-	-	
448	-	100	36	9CH13.4	-	-	-	-	-	-	501A	363A	-	-	
449	-	100	36	12B16.5	-	-	-	-	-	-	310B	26.5K	15	3/4X3C	
450	-	100	36	12B16.5	-	-	-	-	-	-	26.5K	26.5K	15	3/4X3	(3)
451	-	100	36	12B19	-	-	-	-	-	-	26.5K	26.5K	36	5/8X2	
452	-	100	36	8B13	-	-	-	-	-	-	17.4K	17.4K	16	5/8X2	
453	-	100	36	14WF48.0	-	-	-	-	-	-	35.0K	105I	12	3/4X3H	
454	-	100	36	16WF36	-	-	-	-	-	-	26.5K	208C	15	3/4X3B	
455	-	100	50	8WF17	-	-	-	-	-	-	17.4K	17.4K	26	3/4X3	
456	-	100	50	8WF17	-	-	-	-	-	-	17.4K	17.4K	26	3/4X3	
457	-	100	36	16WF40	-	-	-	-	-	-	205F	335C	-	-	1
458	-	100	36	18WF45	-	-	-	-	-	-	26.5K	352B	12	3/4X4-1/28	
459	-	100	36	8B13	-	-	-	-	-	-	17.4K	17.4K	11	3/4X3	
460	-	100	36	14B22	-	-	-	-	-	-	201A	26.5K	16	3/4X3	
461	-	100	36	12B19	-	-	-	-	-	-	105A	26.5K	15	3/4X4-1/2C	
462	-	100	36	16B26	-	-	-	-	-	-	105B	105B	8	3/4X3	
463	-	100	36	8B13	-	-	-	-	-	-	17.4K	17.4K	9	3/4X3	
464	-	100	36	8B13	-	-	-	-	-	-	17.4K	17.4K	9	3/4X3	
465	-	100	36	8B13	-	-	-	-	-	-	105A	105A	8	3/4X4-1/2	
466	-	100	50	16WF36	-	-	-	-	-	-	106A	111I	39	3/4X3	

REMARKS

- 1 DETAIL 405 RIGHT END OF BEAM
- 2 DETAIL 503A LEFT END OF BEAM
- 3 DELETE SHEER STUDS FLOOR 16 ONLY, TOWER A.

* HOLD



SKILLING-HELLE-CHRISTIANSEN-ROBERTSON

Civil & Structural Engineers

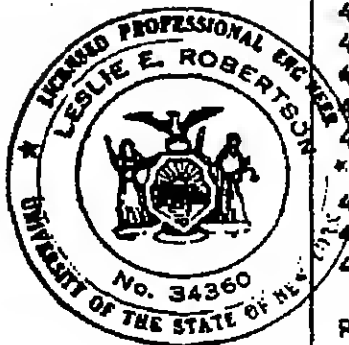
PROJECT	TITLE	DATE
THE WORLD TRADE CENTER	BEAM SCHEDULE TOWERS A AND B	1/22/68

REVISIONS

BEAM NO.	SIZE	TYPE	FY	SHAPE	PLATE 1		PLATE 2		DIMENSIONS		SUPPORTS		STUDS		REMARKS
					WIDTH	THICK	WIDTH	THICK	LENGTH	DIM. A	LEFT	RIGHT	NO.	SIZE	
467	-	100	36	8B13	-	-	-	-	-	-	17.7K	17.7K	-	-	
468	-	100	36	8B13	-	-	-	-	-	-	283K	365A	-	-	
469	-	100	36	8B13	-	-	-	-	-	-	17.7K	504A	-	-	
470	-	100	36	8B13	-	-	-	-	-	-	504A	17.7K	-	-	
471	-	100	36	10B19	-	-	-	-	-	-	17.7K	17.7K	15	3/4X3	
472	-	406	36	16B26	-	-	-	-	-	-	26.5K	26.5K	10	3/4X38	X
473	-	100	36	16WF36	-	-	-	-	-	-	26.5K	208D	15	3/4X38	
474	25X7 BU	300	36	-	7	1- 1/2	22	3/4	-	-	44.2K	44.2K	-	-	
475	25X7 BU	300	36	-	7	1- 1/2	22	3/4	-	-	44.2K	174	-	-	
476	-	100	36	16WF40	-	-	-	-	-	-	205F	335C	-	-	2
477	-	100	36	16WF40	-	-	-	-	-	-	220K	205F	-	-	
478	-	100	36	8B13	-	-	-	-	-	-	452	452	-	-	
479	-	100	36	16WF40	-	-	-	-	-	-	401A	401A	-	-	
480	-	100	36	8B13	-	-	-	-	-	-	17.4K	17.4K	11	3/4X3	
481	16X4 BX	200	36	-	2-1/2	3/8	16	3/4	-	-	296A	274A	-	-	
482	-	100	36	16B26	-	-	-	-	-	-	201A	283M	8	3/4X3	
483	-	100	36	16WF36	-	-	-	-	-	-	26.5K	208C	12	3/4X38	
484	-	100	36	16B26	-	-	-	-	-	-	201F	201F	8	3/4X3	
485	16X4 BX	200	50	-	2-1/2	3/8	16	3/4	-	-	296B	274A	-	-	
486	-	100	36	16WF40	-	-	-	-	-	-	205F	220I	-	-	
487	-	100	36	14B22	-	-	-	-	-	-	503A	364C	-	-	
488	-	100	36	12B19	-	-	-	-	-	-	26.5K	26.5K	-	-	
489	-	100	36	18I54.7	-	-	-	-	-	-	201B	201C	-	-	
490	-	100	36	16WF40	-	-	-	-	-	-	307C	310B	-	-	1
491	-	100	36	16WF40	-	-	-	-	-	-	402A	402A	-	-	
492	-	100	36	16WF40	-	-	-	-	-	-	205F	220I	-	-	
493	-	100	36	16WF40	-	-	-	-	-	-	307C	310B	-	-	1
494	-	100	36	16WF40	-	-	-	-	-	-	402A	402A	-	-	
495	-	100	36	16WF40	-	-	-	-	-	-	205F	220I	-	-	
496	-	100	36	16WF40	-	-	-	-	-	-	307C	310B	-	-	1
497	-	100	36	16WF40	-	-	-	-	-	-	402A	402A	-	-	
498	-	100	36	16WF40	-	-	-	-	-	-	205F	220I	-	-	
499	-	100	36	18WF45	-	-	-	-	-	-	1051	213A	-	-	

REMARKS

- 1 DETAIL 405 LEFT END OF BEAM
- 2 DETAIL 405 RIGHT END OF BEAM



SKILLING-HELLE-CHRISTIANSEN-ROBERTSON

Civil & Structural Engineers

PROJECT		THE WORLD TRADE CENTER				TITLE		BEAM SCHEDULE TOWERS A AND B				DATE		1/22/68	
BEAM NO.	SIZE	TYPE	FY	SHAPE	PLATE 1		PLATE 2		DIMENSIONS		SUPPORTS		STUDS		REMARKS
					WIDTH	THICK	WIDTH	THICK	LENGTH	DIM. A	LEFT	RIGHT	NO.	SIZE	
500	-	100	36	8813	-	-	-	-	-	-	17.4K	17.4K	12	3/4X3	
501	-	100	50	14B22	-	-	-	-	-	-	26.5K	26.5K	19	3/4X3	
502	-	100	50	14B22	-	-	-	-	-	-	26.5K	26.5K	19	3/4X3	
503	-	100	36	8813	-	-	-	-	-	-	17.4K	17.4K	10	3/4X3	
504	-	100	36	8813	-	-	-	-	-	-	17.4K	17.4K	10	3/4X3	
505	-	404	36	16WF50	-	-	-	-	-	-	338D	274A	26	3/4X3	
506	-	100	50	16WF40	-	-	-	-	-	-	220I	208C	47	3/4X3	
507	-	100	36	14B22	-	-	-	-	-	-	26.5K	26.5K	16	3/4X3	
508	-	100	36	14B22	-	-	-	-	-	-	26.5K	26.5K	16	3/4X3	
509	-	100	36	8813	-	-	-	-	-	-	17.4K	17.4K	10	3/4X3	
510	-	404	36	16WF50	-	-	-	-	-	-	274A	282A	26	3/4X3	
511	-	100	36	8813	-	-	-	-	-	-	175A	17.4K	-	-	
512	-	100	36	16B26	-	-	-	-	-	-	368A	335C	19	3/4X3	
513	-	100	36	14B22	-	-	-	-	-	-	26.5K	368A	13	3/4X3	
514	-	100	36	12B16.5	-	-	-	-	-	-	26.5K	26.5K	13	3/4X3	
515	-	100	50	14B22	-	-	-	-	-	-	26.5K	26.5K	10	3/4X3	(B)
516	-	100	36	14B22	-	-	-	-	-	-	335C	26.5K	16	3/4X3	
517	-	100	50	16WF36	-	-	-	-	-	-	287E	287E	47	3/4X3	
518	-	100	50	16WF40	-	-	-	-	-	-	208C	287E	47	3/4X3	
519	-	100	50	16B26	-	-	-	-	-	-	216A	335C	19	3/4X3	
520	-	100	36	14B22	-	-	-	-	-	-	368A	216A	8	3/4X3	
521	-	100	36	8813	-	-	-	-	-	-	111K	105D	9	3/4X3	
522	-	100	36	12B19	-	-	-	-	-	-	235C	335G	13	3/4X3	
523	-	100	50	16WF36	-	-	-	-	-	-	287E	208C	8	3/4X3	
524	-	100	36	14B22	-	-	-	-	-	-	26.5K	26.5K	10	3/4X3	(B)
525	-	100	36	16WF36	-	-	-	-	-	-	307J	287E	15	3/4X3	
526	-	100	50	16WF40	-	-	-	-	-	-	208C	208C	47	3/4X3	
527	-	100	36	12B19	-	-	-	-	-	-	26.5K	26.5K	18	3/4X3	
528	-	100	36	8813	-	-	-	-	-	-	17.4K	17.4K	9	3/4X3	
529	-	404	36	16WF45	-	-	-	-	-	-	274A	338D	26	3/4X3	
530	-	100	50	16WF40	-	-	-	-	-	-	208C	220I	47	3/4X3	
531	-	100	36	12B16.5	-	-	-	-	-	-	32.0K	26.5K	-	-	
532	-	100	36	12B16.5	-	-	-	-	-	-	26.5K	26.5K	-	-	
533	-	100	50	14B22	-	-	-	-	-	-	26.5K	26.5K	20	3/4X3	



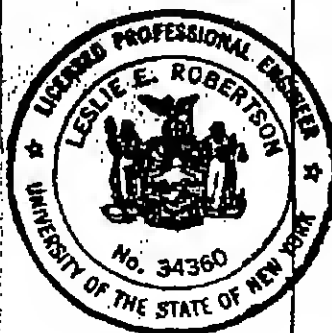
SKILLING-HELLE-CHRISTIANSEN-ROBERTSON

Civil & Structural Engineers

PROJECT					TITLE						DATE				
THE WORLD TRADE CENTER					BEAM SCHEDULE TOWERS A AND B						8/17/68				
SEAM NO.	SIZE	TYPE	FY	SHAPE	PLATE 1		PLATE 2		DIMENSIONS		SUPPORTS		STUDS		REMARKS
					WIDTH	THICK	WIDTH	THICK	LENGTH	DIM. A	LEFT	RIGHT	NO.	SIZE	
534	-	100	36	8B13	-	-	-	-	-	-	17.4K	17.4K	8	3/4X3	
535	-	100	50	16WF40	-	-	-	-	-	-	26.5K	208C	15	3/4X3B	
536	-	100	36	16WF36	-	-	-	-	-	-	170B	287E	15	3/4X38	
537	-	100	36	16WF36	-	-	-	-	-	-	26.5K	208C	15	3/4X38	
538	-	100	36	16WF36	-	-	-	-	-	-	26.5K	208C	15	3/4X38	
539	-	100	36	12B19	-	-	-	-	-	-	335G	235C	13	3/4X3	X
540	-	100	36	18I54.7	-	-	-	-	-	-	335M	235F	13	3/4X3	
541	-	100	36	18WF77	-	-	-	-	-	-	812E	390A	42	3/4X3	
542	-	100	36	16B31	-	-	-	-	-	-	26.5K	26.5K	-	-	
543	-	100	36	16B31	-	-	-	-	-	-	254C	335G	-	-	3
544	-	100	36	16B31	-	-	-	-	-	-	335G	254C	-	-	4
545	-	100	36	16WF40	-	-	-	-	-	-	220I	205F	-	-	
546	-	100	36	16WF40	-	-	-	-	-	-	402A	402A	-	-	
547	-	100	36	16WF40	-	-	-	-	-	-	205F	335C	-	-	
548	-	100	36	24I90.0	-	-	-	-	-	-	307J	310B	-	-	
549	-	100	36	16WF40	-	-	-	-	-	-	435B	402A	-	-	
550	-	100	36	16WF40	-	-	-	-	-	-	205F	220I	-	-	
551	-	100	36	16WF40	-	-	-	-	-	-	220K	205F	-	-	
552	-	100	36	16WF40	-	-	-	-	-	-	401A	401A	-	-	
553	-	100	36	16WF40	-	-	-	-	-	-	205F	335C	-	-	1
554	-	100	36	16WF40	-	-	-	-	-	-	335C	205F	-	-	2
555	-	100	36	16WF40	-	-	-	-	-	-	401A	401A	-	-	
556	-	100	36	16WF40	-	-	-	-	-	-	205F	220K	-	-	
557	-	100	36	27WF94	-	-	-	-	-	-	237A	317B	46	3/4X3	
558	-	100	36	18WF60	-	-	-	-	-	-	419A	414B	28	3/4X3	
559	-	100	36	18WF60	-	-	-	-	-	-	414B	419A	30	3/4X3	
560	-	100	36	27WF94	-	-	-	-	-	-	317B	237A	46	3/4X3	
561	-	100	36	27WF94	-	-	-	-	-	-	237A	317B	46	3/4X3	
562	-	100	36	18WF60	-	-	-	-	-	-	419A	414B	28	3/4X3	
563	-	100	36	18WF60	-	-	-	-	-	-	414B	419A	30	3/4X3	
564	-	100	36	27WF94	-	-	-	-	-	-	317B	237B	44	3/4X3	
565	-	100	36	27WF84	-	-	-	-	-	-	237A	251A	64	3/4X3	
566	-	100	36	27WF84	-	-	-	-	-	-	430A	430A	30	3/4X3	

REMARKS

- 1 DETAIL 405 RIGHT END OF BEAM
- 2 DETAIL 405 LEFT END OF BEAM
- 3 DETAIL 406 RIGHT END OF BEAM
- 4 DETAIL 406 LEFT END OF BEAM



SKILLING-HELLE-CHRISTIANSEN-ROBERTSON

Civil & Structural Engineers

PROJECT

THE WORLD TRADE CENTER

TITLE

BEAM SCHEDULE TOWERS A AND B

DATE

10/ 7/68

REVISIONS

BEAM NO.	SIZE	TYPE	FY	SHAPE	PLATE 1		PLATE 2		DIMENSIONS		SUPPORTS		STUDS		REMARKS
					WIDTH	THICK	WIDTH	THICK	LENGTH	DIM. A	LEFT	RIGHT	NO.	SIZE	
567	-	100	36	27WF84	-	-	-	-	-	-	251A	482A	50	3/4X3	
568	-	100	36	16WF36	-	-	-	-	-	-	208H	276A	8	3/4X3	
569	27X10WF	402	36	27WF84	8	1/2	-	-	14FT0	-	482C	433A	50	3/4X3	
570	-	421	36	27WF84	-	-	-	-	-	-	251C	430A	46	3/4X3	3
571	-	100	36	27WF84	-	-	-	-	-	-	251A	237A	48	3/4X3	
572	-	100	36	27WF84	-	-	-	-	-	-	237A	251B	64	3/4X3	
573	-	100	36	27WF84	-	-	-	-	-	-	430A	430A	30	3/4X3	
574	-	420	36	27WF84	-	-	-	-	-	-	251B	473A	50	3/4X3	
575	-	100	36	24179.9	-	-	-	-	-	-	390A	234B	-	-	
576	-	100	36	27WF84	-	-	-	-	-	-	482A	251A	50	3/4X3	
577	-	100	36	27WF84	-	-	-	-	-	-	430A	430A	30	3/4X3	
578	-	420	36	27WF84	-	-	-	-	-	-	251A	237B	48	3/4X3	
579	-	100	36	18WF60	-	-	-	-	-	-	317E	317E	26	3/4X3	
580	-	100	36	18WF60	-	-	-	-	-	-	317A	317A	34	3/4X3	
581	-	100	36	10WF21	-	-	-	-	-	-	17.7K	111I	-	-	
582	-	100	50	16WF40	-	-	-	-	-	-	335C	205F	-	-	1
583	-	100	36	16WF40	-	-	-	-	-	-	401A	401A	-	-	
584	-	100	36	8813	-	-	-	-	-	-	17.4K	17.4K	11	3/4X3	
585	-	100	36	12819	-	-	-	-	-	-	26.5K	26.5K	15	3/4X3	
586	-	100	36	16WF40	-	-	-	-	-	-	205F	335C	-	-	2
587	-	100	36	16WF36	-	-	-	-	-	-	26.5K	208C	15	3/4X3	
588	-	100	36	16WF40	-	-	-	-	-	-	220I	205F	-	-	
589	-	100	36	16WF40	-	-	-	-	-	-	402A	402A	-	-	
590	-	100	36	16WF40	-	-	-	-	-	-	205F	335C	-	-	2
591	-	100	36	12816.5	-	-	-	-	-	-	175	26.5K	13	3/4X3	
592	-	100	36	9CH13.4	-	-	-	-	-	-	17.4K	17.4K	-	-	
593	-	100	36	12816.5	-	-	-	-	-	-	26.5K	26.5K	-	-	
594	-	100	36	8813	-	-	-	-	-	-	111H	111H	-	-	
595	-	100	36	5CH9.0	-	-	-	-	-	-	366B	501A	-	-	
596	-	100	36	5CH9.0	-	-	-	-	-	-	501A	366B	-	-	
597	-	100	36	30WF108	-	-	-	-	-	-	44.2K	44.2K	-	-	5
598	-	100	36	8813	-	-	-	-	-	-	17.4K	17.4K	-	-	
599	-	100	36	16WF36	-	-	-	-	-	-	303A	205I	-	-	4

REMARKS

- 1 DETAIL 405 LEFT END OF BEAM
- 2 DETAIL 405 RIGHT END OF BEAM
- 3 DETAIL 433A LEFT END OF BEAM
- 4 DETAIL 507 RIGHT END OF BEAM
- 5 TOWER A & B ELEV. 284. DETAIL
19-AB-912 FOR LEFT AND RIGHT SUPPORT



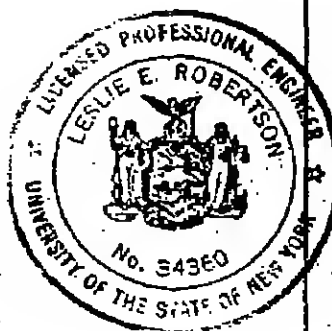
SKILLING, HELLE, CHRISTIANSEN, ROBERTSON

Structural & Civil Engineers

PROJECT THE WORLD TRADE CENTER					TITLE BEAM SCHEDULE TOWERS A AND B						DATE 12/ 6/68				
BEAM NO.	SIZE	TYPE	FY	SHAPE	PLATE 1		PLATE 2		DIMENSIONS		SUPPORTS		STUDS		REMARKS
					WIDTH	THICK	WIDTH	THICK	LENGTH	DIM. A	LEFT	RIGHT	NO.	SIZE	
600	-	100	36	8B13	-	-	-	-	-	-	17.4K	17.4K	-	-	
601	-	100	36	14B22	-	-	-	-	-	-	283J	303A	-	-	
602	-	100	36	12B19	-	-	-	-	-	-	501A	17.7K	-	-	
603	-	100	36	14B22	-	-	-	-	-	-	111H	178A	-	-	
604	-	100	36	8B13	-	-	-	-	-	-	283K	365A	-	-	
605	-	100	36	8B13	-	-	-	-	-	-	111H	111H	-	-	X
606	-	100	36	8B13	-	-	-	-	-	-	365A	504A	-	-	
607	-	100	36	8B13	-	-	-	-	-	-	504A	17.7K	-	-	
608	-	100	36	5CH9.0	-	-	-	-	-	-	363B	501A	-	-	
609	-	100	36	5CH9.0	-	-	-	-	-	-	501A	366B	-	-	
610	-	100	36	16WF40	-	-	-	-	-	-	220I	205F	-	-	
611	-	100	36	16WF40	-	-	-	-	-	-	402A	402A	-	-	
612	-	100	36	16WF40	-	-	-	-	-	-	205F	335C	-	-	1
613	-	100	36	16WF40	-	-	-	-	-	-	220I	205F	-	-	
614	-	100	36	16WF40	-	-	-	-	-	-	402A	402A	-	-	
615	-	100	36	16WF40	-	-	-	-	-	-	205F	335C	-	-	1
616	-	100	36	8B13	-	-	-	-	-	-	17.4K	17.4K	-	9 3/4X3	
617	-	100	36	16WF40	-	-	-	-	-	-	220I	205F	-	-	
618	-	100	36	16WF40	-	-	-	-	-	-	402A	402A	-	-	
619	-	100	36	16WF40	-	-	-	-	-	-	205F	335C	-	-	1
620	-	100	36	16WF40	-	-	-	-	-	-	205F	335C	-	-	1
621	-	100	36	8B13	-	-	-	-	-	-	175A	17.4K	-	-	
622	-	100	36	8B13	-	-	-	-	-	-	17.4K	17.4K	-	-	
623	-	404	36	16WF45	-	-	-	-	-	-	26.5K	278A	-	26 3/4X3	
624	-	100	36	8B13	-	-	-	-	-	-	170G	17.4K	-	-	
625	-	100	36	12B19	-	-	-	-	-	-	111H	26.5K	-	-	
626	-	100	50	15CH50.0	-	-	-	-	-	-	315A	232A	-	-	
627	-	100	50	14B22	-	-	-	-	-	-	26.5K	26.5K	-	20 3/4X3	
628	-	100	36	12B19	-	-	-	-	-	-	26.5K	26.5K	-	13 3/4X3	
629	-	100	36	12B19	-	-	-	-	-	-	310B	26.5K	-	13 3/4X3	
630	-	100	36	16B26	-	-	-	-	-	-	235B	335A	-	19 3/4X3	
631	18X4 CH	507	50	18CH51.9	-	-	-	-	-	-	236A	245F	-	-	
632	18X4 CH	500	50	18CH51.9	-	-	-	-	-	-	245F	236A	-	-	
633	15X3-3/8CH	504	50	15CH40.0	2-1/2	1/2	-	-	26FT 0	1FT 0	245F	245E	-	-	

REMARKS

- 1 DETAIL 405 RIGHT END OF BEAM
- 2 DETAIL 442A RIGHT END OF BEAM



SKILLING-HELLE-CHRISTIANSEN-ROBERTSON

Civil & Structural Engineers

PROJECT					TITLE										DATE	
THE WORLD TRADE CENTER					BEAM SCHEDULE TOWERS A AND B										7/17/68	
BEAM NO.	SIZE	TYPE	FY	SHAPE	PLATE 1		PLATE 2		DIMENSIONS		SUPPORTS		STUDS		REMARKS	
					WIDTH	THICK	WIDTH	THICK	LENGTH	DIM. A	LEFT	RIGHT	NO.	SIZE		
634	15X3-3/8CH	505	50	15CH40.0	2-1/2	1/2	-	-	26FT 1	1FT 0	245E	245F	-	-		
635	-	100	36	12B16.5	-	-	-	-	-	-	105L	283U	15	3/4X4-1/2		
636	-	100	36	12WF31	-	-	-	-	-	-	105L	283U	15	3/4X3		
637	-	100	36	14B22	-	-	-	-	-	-	342A	370J	16	3/4X3		
638	-	100	36	14B22	-	-	-	-	-	-	342A	370J	16	3/4X3		
639	-	100	36	14B22	-	-	-	-	-	-	283M	26.5K	-	-		
640	16X4 BX	200	36	-	2-1/2	3/8	16	3/4	-	-	296A	274A	-	-		
641	-	100	36	8B13	-	-	-	-	-	-	17.4K	17.4K	8	3/4X3		
642	-	100	36	16B26	-	-	-	-	-	-	201A	283M	8	3/4X3B		
643	16X4 BX	200	36	-	2-1/2	3/8	16	3/4	-	-	296A	274A	-	-		
644	-	100	36	14B22	-	-	-	-	-	-	283M	170C	18	3/4X3		
645	-	100	36	14B22	-	-	-	-	-	-	370A	218A	14	3/4X3		
646	16X4 BX	200	36	-	2-1/2	3/4	16	3/4	-	-	372A	282B	-	-		
647	-	100	36	12B19	-	-	-	-	-	-	26.5K	26.5K	15	3/4X3		
648	-	100	50	14B22	-	-	-	-	-	-	26.5K	26.5K	20	3/4X3		
649	-	100	50	14B22	-	-	-	-	-	-	26.5K	26.5K	34	3/4X3		
650	-	100	36	8B13	-	-	-	-	-	-	17.4K	17.4K	-	-		
651	-	100	36	14B22	-	-	-	-	-	-	26.5K	368A	-	-		
652	-	100	36	9CH13.4	-	-	-	-	-	-	17.4K	17.4K	-	-		
653	-	404	36	16WF50	-	-	-	-	-	-	26.5K	274A	26	3/4X3		
654	-	100	36	8B13	-	-	-	-	-	-	452A	452A	8	3/4X3		
655	-	100	36	8B13	-	-	-	-	-	-	17.4K	17.4K	8	3/4X3		
656	-	100	36	12B16.5	-	-	-	-	-	-	26.5K	26.5K	-	-		
657	-	100	36	8B13	-	-	-	-	-	-	17.4K	17.4K	-	-		
658	-	100	36	16B26	-	-	-	-	-	-	283M	283M	8	3/4X3B		
659	-	100	36	14B22	-	-	-	-	-	-	368A	218A	11	3/4X3		
660	-	404	50	16WF78	-	-	-	-	-	-	338D	453A	20	3/4X3		
661	-	100	36	12B16.5	-	-	-	-	-	-	310B	26.5K	20	3/4X3		
662	-	404	50	16WF78	-	-	-	-	-	-	453A	282B	20	3/4X3		
663	-	100	36	18WF45	-	-	-	-	-	-	26.5K	352A	20	3/4X3		
664	-	100	36	12B16.5	-	-	-	-	-	-	26.5K	26.5K	-	-		
665	-	100	36	12B19	-	-	-	-	-	-	26.5K	26.5K	-	-		
666	-	100	36	8B13	-	-	-	-	-	-	17.4K	17.4K	-	-		

REMARKS

- 1 DETAIL 442A LEFT END OF BEAM
 3 BEAM VOIDED, SEE 19-A-905

SKILLING, HELLE, CHRISTIANSEN, ROBERTSON

Structural & Civil Engineers

PROJECT

THE WORLD TRADE CENTER

TITLE

BEAM SCHEDULE TOWERS A AND B

DATE 12/ 6/68

REVISIONS

BEAM NO.	SIZE	TYPE	FY	SHAPE	PLATE 1		PLATE 2		DIMENSIONS		SUPPORTS		STUDS		REMARKS
					WIDTH	THICK	WIDTH	THICK	LENGTH	DIM. A	LEFT	RIGHT	NO.	SIZE	
667	-	100	36	8B13	-	-	-	-	-	-	17.4K	17.4K	-	-	
668	-	100	36	8B13	-	-	-	-	-	-	17.4K	17.4K	-	-	
669	-	100	36	8B13	-	-	-	-	-	-	17.4K	17.4K	-	-	
670	-	100	36	12B16.5	-	-	-	-	-	-	26.5K	26.5K	-	-	
671	-	100	36	10B15	-	-	-	-	-	-	17.4K	17.4K	12	3/4X3	
672	16X4 BX	200	36	-	2-1/2	3/4	16	3/4	-	-	247F	247C	-	-	X
673	-	100	36	12B16.5	-	-	-	-	-	-	17.4K	17.4K	22	3/4X3	
674	-	100	36	16WF36	-	-	-	-	-	-	26.5K	26.5K	-	-	
675	-	100	36	16B26	-	-	-	-	-	-	111P	283U	28	3/4X3	
676	-	100	36	8B13	-	-	-	-	-	-	111K	111K	8	3/4X3	
677	-	100	36	12B16.5	-	-	-	-	-	-	310B	26.5K	20	3/4X3	
678	-	100	36	12B16.5	-	-	-	-	-	-	26.5K	26.5K	22	3/4X3E	
679	-	100	36	16WF36	-	-	-	-	-	-	26.5K	105B	15	3/4X3B	
680	-	100	36	16WF36	-	-	-	-	-	-	26.5K	208C	12	3/4X3B	
681	-	100	36	16WF36	-	-	-	-	-	-	26.5K	208C	39	3/4X3B	
682	-	100	36	12B16.5	-	-	-	-	-	-	26.5K	26.5K	15	3/4X3	
683	-	100	36	8B13	-	-	-	-	-	-	17.4K	17.4K	-	-	
684	-	100	36	12B16.5	-	-	-	-	-	-	26.5K	26.5K	-	-	
685	-	100	36	10WF21	-	-	-	-	-	-	111I	17.4K	-	-	
686	16X5-1/2BX	201	36	-	4	3/8	16	3/4	-	-	254B	206B	-	-	
687	-	100	36	12B16.5	-	-	-	-	-	-	26.5K	26.5K	15	3/4X3	
688	-	100	36	8B13	-	-	-	-	-	-	17.4K	17.4K	-	-	
689	-	100	36	14B22	-	-	-	-	-	-	208B	216A	10	3/4X3	
690	-	100	36	12B16.5	-	-	-	-	-	-	310B	26.5K	14	3/4X3C	
691	-	100	36	12B16.5	-	-	-	-	-	-	26.5K	26.5K	-	-	
692	16X5-1/2BX	204	36	-	4	3/8	16	3/4	-	-	206A	254C	-	-	
693	-	100	36	16WF36	-	-	-	-	-	-	26.5K	26.5K	-	-	
694	-	100	36	8B13	-	-	-	-	-	-	214A	215A	11	3/4X3	
695	-	100	36	9CH13.4	-	-	-	-	-	-	17.4K	17.4K	-	-	
696	-	100	36	8B13	-	-	-	-	-	-	17.4K	17.4K	8	3/4X3	
697	-	100	36	12B16.5	-	-	-	-	-	-	26.5K	26.5K	15	3/4X3	
698	-	100	36	14B22	-	-	-	-	-	-	26.5K	26.5K	10	3/4X3B	
699	-	100	50	16WF36	-	-	-	-	-	-	106B	111I	39	3/4X3	



SKILLING, HELLE, CHRISTIANSEN, ROBERTSON

Structural & Civil Engineers

PROJECT	TITLE	DATE
THE WORLD TRADE CENTER	BEAM SCHEDULE TOWERS A AND B	12/ 6/68

REVISIONS

BEAM NO.	SIZE	TYPE	FY	SHAPE	PLATE 1		PLATE 2		DIMENSIONS		SUPPORTS		STUDS		REMARKS
					WIDTH	THICK	WIDTH	THICK	LENGTH	DIM. A	LEFT	RIGHT	NO.	SIZE	
700	-	100	36	12B16.5	-	-	-	-	-	-	17.4K	17.4K	16	3/4X3E	
701	-	404	50	16WF78	-	-	-	-	-	-	26.5K	453A	20	3/4X3	
702	-	100	36	12WF50	-	-	-	-	-	-	26.5K	26.5K	-	-	
703	18X4 CH	509	50	18CH45.8	-	-	-	-	-	-	232A	246A	-	-	
704	-	100	36	18CH42.7	-	-	-	-	-	-	410A	411A	-	-	
705	18X4 CH	100	50	18CH42.7	-	-	-	-	-	-	246A	249A	-	-	
706	-	100	36	10CH25	-	-	-	-	-	-	249A	249A	-	-	
707	18X4 CH	508	50	18CH42.7	2-7/8	7/8	-	-	24FT 0	1FT 0	249A	246A	-	-	
708	-	100	36	18CH42.7	-	-	-	-	-	-	412A	410A	-	-	
709	-	100	50	18CH45.8	-	-	-	-	-	-	246A	232A	-	-	
710	-	100	50	18CH45.8	-	-	-	-	-	-	232A	246A	-	-	
711	-	100	36	18CH42.7	-	-	-	-	-	-	410A	412A	-	-	
712	18X4 CH	501	36	18CH42.7	2-7/8	7/8	-	-	24FT 0	1FT 0	246A	249A	-	-	
713	-	100	36	10CH25	-	-	-	-	-	-	249A	249A	-	-	
714	18X4 CH	100	50	18CH42.7	-	-	-	-	-	-	249A	246A	-	-	
715	-	100	36	18CH42.7	-	-	-	-	-	-	411A	410A	-	-	
716	18X4 CH	502	50	18CH45.8	-	-	-	-	-	-	246A	232A	-	-	
717	-	404	50	16WF78	-	-	-	-	-	-	453A	338D	20	3/4X3	
718	16X5-1/2BX	206	36	-	3-3/4	3/8	16	7/8	-	-	464	464	-	-	
719	16X5-1/2BX	206	36	-	3-3/4	3/8	16	7/8	-	-	206A	254A	-	-	
720	-	100	36	14B22	-	-	-	-	-	-	235B	335A	19	3/4X3	
721	-	100	36	16WF40	-	-	-	-	-	-	307C	310B	-	-	
722	-	100	36	16WF40	-	-	-	-	-	-	402A	402A	-	-	
723	-	100	36	16WF40	-	-	-	-	-	-	205F	220I	-	-	
724	-	100	36	12B16.5	-	-	-	-	-	-	310B	32.5K	15	3/4X3C	
725	-	100	36	16WF36	-	-	-	-	-	-	26.5K	26.5K	-	-	
726	-	100	50	16WF36	-	-	-	-	-	-	106B	111I	39	3/4X3D	
727	16X5-1/2BX	207	36	-	3-3/4	3/8	16	7/8	-	-	254B	247C	-	-	
728	-	100	36	8CH11.5	-	-	-	-	-	-	17.4K	392A	-	-	
729	16X5-1/2BX	204	36	-	4	3/8	16	3/4	-	-	206A	294D	-	-	
730	-	100	36	9CH13.4	-	-	-	-	-	-	363A	363A	-	-	
731	-	100	50	16WF50	-	-	-	-	-	-	106A	106B	48	3/4X3	
732	16X5-1/2BX	203	36	-	3-3/4	3/8	16	7/8	-	-	464	464	-	-	
733	16X5-1/2BX	203	36	-	3-3/4	3/8	16	7/8	-	-	254B	206B	-	-	

REMARKS

1 DETAIL 405 LEFT END OF BEAM



SKILLING-HELLE-CHRISTIANSEN-ROBERTSON

Civil & Structural Engineers

PROJECT					TITLE					DATE					
THE WORLD TRADE CENTER					BEAM SCHEDULE TOWERS A AND B					1/22/68					
BEAM NO.	SIZE	TYPE	FY	SHAPE	PLATE 1		PLATE 2		DIMENSIONS		SUPPORTS		STUDS		REMARKS
					WIDTH	THICK	WIDTH	THICK	LENGTH	DIM. A	LEFT	RIGHT	NO.	SIZE	
734	-	100	36	14B26	-	-	-	-	-	-	201F	170C	-	-	
735	-	100	36	14B22	-	-	-	-	-	-	26.5K	26.5K	21	3/4X3	
736	-	100	36	8B13	-	-	-	-	-	-	111K	105C	-	-	
737	-	100	36	16WF45	-	-	-	-	-	-	26.5K	287F	23	3/4X3	
738	-	100	50	15CH50.0	-	-	-	-	-	-	232A	315A	-	-	
739	-	404	50	16WF45	-	-	-	-	-	-	274B	338D	(26)	3/4X3	X
740	-	100	36	8B13	-	-	-	-	-	-	17.4K	17.4K	-	-	
741	-	100	36	8B13	-	-	-	-	-	-	17.4K	17.4K	-	-	
742	-	100	36	8B13	-	-	-	-	-	-	170G	17.4K	-	-	
743	18X4 CH	516	50	18CH42.7	2-7/8	7/8	-	-	22FT 4	1FT 0	249A	246B	-	-	
744	-	100	36	16WF40	-	-	-	-	-	-	307C	310B	-	-	2
745	-	100	36	16WF40	-	-	-	-	-	-	402A	402A	-	-	
746	-	100	36	16WF40	-	-	-	-	-	-	205F	220I	-	-	
747	-	100	36	8CH11.5	-	-	-	-	-	-	392A	17.4K	-	-	
748	-	100	36	16B31	-	-	-	-	-	-	294D	335J	-	-	1
749	-	100	36	16B26	-	-	-	-	-	-	307D	111P	15	3/4X3	
750	-	100	36	15CH33.9	-	-	-	-	-	-	315B	315E	-	-	
751	30X9 BX	251	36	-	9	1	28	3/8	-	-	347A	347A	-	-	
752	-	100	36	16B26	-	-	-	-	-	-	474A	474A	(-)	(-)	
753	-	100	36	16WF45	-	-	-	-	-	-	170B	287F	23	3/4X3	
754	-	100	36	15CH33.9	-	-	-	-	-	-	315B	315E	-	-	
755	-	100	36	16WF40	-	-	-	-	-	-	220I	368B	39	3/4X3	
756	-	100	36	16WF45	-	-	-	-	-	-	106D	106D	(10)	3/4X3	
757	-	100	36	14B22	-	-	-	-	-	-	310C	26.5K	21	3/4X3	
758	-	100	36	16WF45	-	-	-	-	-	-	307D	287F	23	3/4X3	
759	-	100	36	8B13	-	-	-	-	-	-	214A	215A	(8)	3/4X3	
760	-	100	36	8B13	-	-	-	-	-	-	360A	215A	(8)	3/4X3	
761	-	100	36	16WF45	-	-	-	-	-	-	26.5K	287F	23	3/4X3	
762	-	100	36	8B13	-	-	-	-	-	-	17.4K	17.4K	-	-	
763	-	100	36	8B13	-	-	-	-	-	-	17.4K	17.4K	-	-	
764	-	100	36	8B13	-	-	-	-	-	-	172C	17.4K	-	-	
765	-	100	36	16WF45	-	-	-	-	-	-	26.5K	287F	21	3/4X3	
766	-	404	36	16WF45	-	-	-	-	-	-	26.5K	278A	(26)	3/4X3	
REMARKS															
1 DETAIL 406 RIGHT END OF BEAM															
2 DETAIL 405 LEFT END OF BEAM															



SKILLING-HELLE-CHRISTIANSEN-ROBERTSON

Civil & Structural Engineers

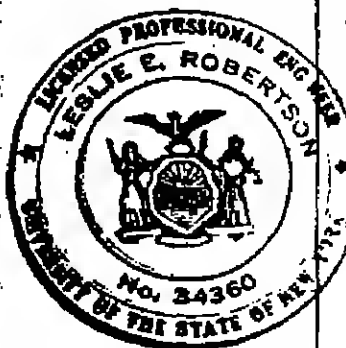
PROJECT	TITLE	DATE
THE WORLD TRADE CENTER	BEAM SCHEDULE TOWERS A AND B	1/22/68

REVISIONS

BEAM NO.	SIZE	TYPE	FY	SHAPE	PLATE 1		PLATE 2		DIMENSIONS		SUPPORTS		STUDS		REMARKS
					WIDTH	THICK	WIDTH	THICK	LENGTH	DIM. A	LEFT	RIGHT	NO.	SIZE	
767	-	100	36	16WF40	-	-	-	-	-	-	276A	352B	39	3/4X3	
768	16X4 BX	200	36	-	2-1/2	3/8	16	3/4	-	-	296B	274A	-	-	
769	-	100	36	8B13	-	-	-	-	-	-	17.4K	17.4K	-	-	
770	-	100	36	8CH11.5	-	-	-	-	-	-	17.4K	17.4K	-	-	
771	-	100	36	8CH11.5	-	-	-	-	-	-	17.4K	17.4K	-	-	
772	-	100	36	16WF40	-	-	-	-	-	-	307C	310B	-	-	1X
773	-	100	36	16WF40	-	-	-	-	-	-	402A	402A	-	-	
774	-	100	36	16WF40	-	-	-	-	-	-	205F	220I	-	-	
775	-	100	50	16WF36	-	-	-	-	-	-	106A	106B	54	3/4X3	
776	-	100	50	16WF36	-	-	-	-	-	-	106B	111I	39	3/4X3	
777	-	100	36	8B13	-	-	-	-	-	-	17.4K	17.4K	8	3/4X3	
778	-	100	36	8B13	-	-	-	-	-	-	17.4K	17.4K	-	-	
779	-	100	36	14B22	-	-	-	-	-	-	216A	335D	24	3/4X3	
780	-	100	36	12B16.5	-	-	-	-	-	-	26.5K	26.5K	10	3/4X3	
781	-	404	36	16WF45	-	-	-	-	-	-	26.5K	26.5K	26	3/4X3	
782	-	100	36	16WF40	-	-	-	-	-	-	276A	26.5K	39	3/4X3	
783	-	100	50	12CH45.0	-	-	-	-	-	-	427B	426A	-	-	
784	-	100	36	15CH33.9	-	-	-	-	-	-	315B	315E	-	-	
785	21X7 BU	300	36	-	7	1	19	5/8	-	-	324A	317D	-	-	2
786	-	100	50	12CH45	-	-	-	-	-	-	429A	426A	-	-	
787	-	100	36	15CH33.9	-	-	-	-	-	-	315A	315D	-	-	
788	-	100	36	15CH33.9	-	-	-	-	-	-	422A	423A	-	-	
789	-	100	50	15CH40.0	-	-	-	-	-	-	315A	232B	-	-	
790	21X7 BU	300	36	-	7	1	19	5/8	-	-	324A	317D	-	-	3
791	-	100	50	12WF50	-	-	-	-	-	-	435C	435B	-	-	
792	-	100	36	21WF55	-	-	-	-	-	-	317D	381A	-	-	
793	-	100	36	21WF55	-	-	-	-	-	-	381A	439A	-	-	
794	-	100	36	24WF76	-	-	-	-	-	-	317C	321A	-	-	
795	-	100	50	12WF90	-	-	-	-	-	-	370I	313A	-	-	
796	-	100	36	18CH45.8	-	-	-	-	-	-	410A	411A	-	-	
797	18X4 CH	509	50	18CH58.0	-	-	-	-	-	-	233A	245A	-	-	
798	18X4 CH	100	50	18CH45.8	-	-	-	-	-	-	245A	255A	-	-	
799	18X4 CH	508	50	18CH45.8	2-3/4	1	-	-	24FT 0	1FT 0	255A	245A	-	-	

REMARKS

- 1 DETAIL 405 LEFT END OF BEAM
- 2 RIGHT END OF BEAM NOTCHED, SEE DETAIL 427B
- 3 RIGHT END OF BEAM NOTCHED, SEE DETAIL 435C



SKILLING-HELLE-CHRISTIANSEN-ROBERTSON

Civil & Structural Engineers

PROJECT	THE WORLD TRADE CENTER	TITLE	BEAM SCHEDULE TOWERS A AND B	DATE	1/22/68
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REVISIONS

BEAM NO.	SIZE	TYPE	FY	SHAPE	PLATE 1		PLATE 2		DIMENSIONS		SUPPORTS		STUDS		REMARKS
					WIDTH	THICK	WIDTH	THICK	LENGTH	DIM. A	LEFT	RIGHT	NO.	SIZE	
800	-	100	50	18CH58.0	-	-	-	-	-	-	245A	233A	-	-	
801	18X4 CH	509	50	18CH51.9	-	-	-	-	-	-	232B	246B	-	-	
802	-	100	50	18CH45.8	-	-	-	-	-	-	410A	393B	-	-	
803	-	100	36	15CH40.0	-	-	-	-	-	-	393B	460B	-	-	
804	15X3-3/8CH	511	36	15CH40.0	-	-	-	-	-	-	460A	393A	-	-	
805	18X4 CH	514	50	18CH45.8	-	-	-	-	-	-	393A	410A	-	-	
806	-	100	50	18CH51.9	-	-	-	-	-	-	246B	321A	-	-	
807	21X7 BU	300	36	-	7	1	19	5/8	-	-	324A	317D	-	-	
808	21X7 BU	300	36	-	7	1	19	5/8	-	-	324A	317D	-	-	
809	20X9 BX	250	36	-	9	7/8	18-1/4	3/8	-	-	304A	347A	-	-	
810	-	100	36	15CH33.9	-	-	-	-	-	-	315A	315D	-	-	
811	-	100	36	15CH33.9	-	-	-	-	-	-	422A	423A	-	-	
812	-	100	50	15CH40.0	-	-	-	-	-	-	315A	232B	-	-	
813	20X9 BX	250	36	-	9	7/8	18-1/4	3/8	-	-	304A	347A	-	-	
814	-	100	36	15CH33.9	-	-	-	-	-	-	315A	315D	-	-	
815	-	100	36	15CH33.9	-	-	-	-	-	-	422A	423A	-	-	
816	-	100	50	15CH40.0	-	-	-	-	-	-	315A	232B	-	-	
817	-	100	36	15CH33.9	-	-	-	-	-	-	351A	315D	-	-	
818	-	100	36	15CH33.9	-	-	-	-	-	-	351A	315D	-	-	
819	-	100	36	16B26	-	-	-	-	-	-	307I	111Q	-	-	
820	-	100	36	12B19	-	-	-	-	-	-	335B	301B	15	3/4X3	1
821	-	100	36	16B26	-	-	-	-	-	-	201F	201B	8	3/4X3	
822	-	100	36	16B31	-	-	-	-	-	-	335H	254B	-	-	
823	18X4 CH	509	50	18CH45.8	-	-	-	-	-	-	232B	246B	-	-	
824	-	100	36	18CH42.7	-	-	-	-	-	-	410A	411A	-	-	
825	18X4 CH	100	50	18CH42.7	-	-	-	-	-	-	246B	249B	-	-	
826	-	100	36	10CH25	-	-	-	-	-	-	249B	249B	-	-	
827	18X4 CH	508	50	18CH42.7	2-7/8	7/8	-	-	24FT 0	1FT 0	249B	246B	-	-	
828	-	100	36	18CH42.7	-	-	-	-	-	-	412A	410A	-	-	
829	-	100	50	18CH45.8	-	-	-	-	-	-	246B	232B	-	-	
830	30X7 BU	320	36	-	5	2	26	5/8	-	-	334D	283Q	-	-	
831	-	100	36	8B13	-	-	-	-	-	-	303	283	-	-	
832	-	100	50	18CH45.8	-	-	-	-	-	-	322A	246A	-	-	
833	-	100	36	14B22	-	-	-	-	-	-	301B	26.5K	8	3/4X3	

REMARKS

1 DET 3358 APPLIES TO 12B19 ONLY.



SKILLING-HELLE-CHRISTIANSEN-ROBERTSON

Civil & Structural Engineers

PROJECT

THE WORLD TRADE CENTER

TITLE

BEAM SCHEDULE TOWERS A AND B

DATE

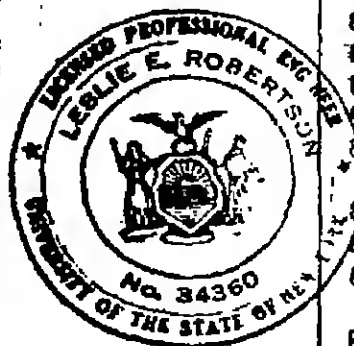
1/22/68

REVISIONS

BEAM NO.	SIZE	TYPE	FY	SHAPE	PLATE 1		PLATE 2		DIMENSIONS		SUPPORTS		STUDS		REMARKS
					WIDTH	THICK	WIDTH	THICK	LENGTH	DIM. A	LEFT	RIGHT	NO.	SIZE	
834	-	100	36	12WF36	-	-	-	-	-	-	26.5K	287D	-	-	
835	-	100	36	12WF27	-	-	-	-	-	-	287B	287D	-	-	
836	-	100	36	12WF36	-	-	-	-	-	-	287F	287B	-	-	
837	18X4 CH	502	50	18CH45.8	-	-	-	-	-	-	246A	322A	-	-	
838	16X5-1/2BX	206	36	-	3-3/4	3/8	16	7/8	-	-	464	464	-	-	X
839	16X5-1/2BX	206	36	-	3-3/4	3/8	16	7/8	-	-	206A	294D	-	-	
840	16X5-1/2BX	207	36	-	3-3/4	3/8	16	7/8	-	-	294D	247G	-	-	
841	16X5-1/2BX	207	36	-	3-3/4	3/8	16	7/8	-	-	464	464	-	-	
842	16X5-1/2BX	208	36	-	3-3/4	3/8	16	7/8	-	-	294D	247G	-	-	
843	16X5-1/2BX	208	36	-	3-3/4	3/8	16	7/8	-	-	464	464	-	-	
844	-	601	36	68X21.9	-	-	-	-	-	-	451	451	-	-	1
845	-	100	36	14WF74	-	-	-	-	-	-	370I	317D	-	-	
846	-	100	36	14WF74	-	-	-	-	-	-	370I	317D	-	-	
847	-	100	36	8B13	-	-	-	-	-	-	17.4K	17.4K	12	3/4X3	
848	-	100	36	16B31	-	-	-	-	-	-	335A	235E	19	3/4X3	
849	-	100	36	16B31	-	-	-	-	-	-	335A	235E	19	3/4X3	
850	-	100	36	14B22	-	-	-	-	-	-	26.5K	26.5K	-	-	
851	-	100	36	16WF64	-	-	-	-	-	-	220F	287F	33	3/4X3	
852	-	100	36	16WF64	-	-	-	-	-	-	287F	287F	33	3/4X3	
853	-	100	36	16WF36	-	-	-	-	-	-	287F	287F	24	3/4X3	
854	-	100	36	16WF36	-	-	-	-	-	-	287F	287F	13	3/4X3	
855	-	100	36	16WF64	-	-	-	-	-	-	287F	287F	35	3/4X3	
856	-	100	36	16WF64	-	-	-	-	-	-	287F	220H	33	3/4X3	
857	-	100	36	12WF31	-	-	-	-	-	-	3100	26.5K	-	-	
858	-	100	50	18CH45.8	-	-	-	-	-	-	324A	246B	-	-	
859	-	100	36	8B13	-	-	-	-	-	-	201E	201E	-	-	
860	-	100	36	21WF62	-	-	-	-	-	-	35.3K	35.3K	-	-	
861	-	100	36	12B19	-	-	-	-	-	-	26.5K	26.5K	-	-	
862	-	100	36	14B22	-	-	-	-	-	-	364C	503A	-	-	
863	-	100	36	14B22	-	-	-	-	-	-	201E	503A	-	-	2
864	-	100	36	14B22	-	-	-	-	-	-	111H	503A	-	-	2
865	-	100	50	24WF76	-	-	-	-	-	-	317E	237D	36	3/4X3	
866	-	100	50	24WF76	-	-	-	-	-	-	345A	237C	-	-	

REMARKS

- 1 STANDARD STRUCTURAL TUBING 6X4X3/8
- 2 RIGHT END OF BEAM SITS ON POST



SKILLING-HELLE-CHRISTIANSEN-ROBERTSON

Civil & Structural Engineers

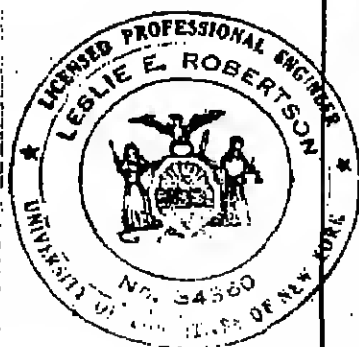
PROJECT	THE WORLD TRADE CENTER	TITLE	BEAM SCHEDULE TOWERS A AND B	DATE	4/17/68
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REVISIONS

BEAM NO.	SIZE	TYPE	FY	SHAPE	PLATE 1		PLATE 2		DIMENSIONS		SUPPORTS		STUDS		REMARKS
					WIDTH	THICK	WIDTH	THICK	LENGTH	DIM. A	LEFT	RIGHT	NO.	SIZE	
867	-	100	50	24WF68	-	-	-	-	-	-	430A	430A	22	3/4X3	
868	-	100	50	24WF68	-	-	-	-	-	-	381A	345A	24	3/4X3	
869	-	100	50	24WF68	-	-	-	-	-	-	430A	430A	20	3/4X3	
870	-	100	50	24WF68	-	-	-	-	-	-	430A	430A	20	3/4X3	
871	-	100	50	24WF76	-	-	-	-	-	-	237C	317E	36	3/4X3	
872	-	100	50	27WF84	-	-	-	-	-	-	237C	251E	38	3/4X3	
873	-	100	50	27WF84	-	-	-	-	-	-	430A	430A	24	3/4X3	
874	-	100	50	27WF84	-	-	-	-	-	-	251E	482B	38	3/4X3	
875	-	100	36	24WF84	-	-	-	-	-	-	482B	482B	10	3/4X3	
876	-	100	50	27WF84	-	-	-	-	-	-	482B	251E	38	3/4X3	
877	-	100	50	27WF84	-	-	-	-	-	-	430A	430A	24	3/4X3	
878	-	408	50	27WF84	-	-	-	-	-	-	251E	237D	38	3/4X3	
879	-	100	50	27WF84	-	-	-	-	-	-	237C	251E	38	3/4X3	
880	-	100	50	18WF65	-	-	-	-	-	-	433B	433B	18	3/4X3	
881	-	100	50	27WF94	-	-	-	-	-	-	251E	482B	42	3/4X3	
882	-	100	36	24WF84	-	-	-	-	-	-	482B	482B	10	3/4X3	
883	-	100	50	27WF84	-	-	-	-	-	-	482B	251E	38	3/4X3	
884	-	100	50	27WF84	-	-	-	-	-	-	430A	430A	24	3/4X3	
885	-	100	50	27WF84	-	-	-	-	-	-	251E	237C	38	3/4X3	
886	-	100	50	16WF40	-	-	-	-	-	-	205P	220S	-	-	
887	-	100	36	8CH11.5	-	-	-	-	-	-	17.4K	17.4K	-	-	
888	16X5-1/2 BX	204	36	-	4	3/8	16	3/4	-	-	206A	254C	-	-	
889	-	100	36	16831	-	-	-	-	-	-	254B	220D	-	-	
890	-	100	36	16831	-	-	-	-	-	-	254E	254B	-	-	
891	36X9 BU	300	36	-	9	1-1/2	33	3/4	-	-	209B	254E	-	-	
892	-	100	50	16831	-	-	-	-	-	-	254B	335B	-	-	1
893	-	100	36	16831	-	-	-	-	-	-	254B	254B	-	-	
894	-	402	36	16831	4	1/4	-	-	-	-	220D	254B	-	-	
895	-	402	36	16831	4	1/4	-	-	-	-	254C	220D	-	-	
896	-	100	36	16831	-	-	-	-	-	-	254C	254C	-	-	
897	-	100	50	16831	-	-	-	-	-	-	335B	254C	-	-	2
898	-	100	50	16831	-	-	-	-	-	-	254C	335B	-	-	1
899	-	100	36	16831	-	-	-	-	-	-	254C	254C	-	-	

REMARKS

1 SEE DETAIL 209B RIGHT END OF BEAM



SKILLING, HELLE, CHRISTIANSEN, ROBERTSON

Structural & Civil Engineers

PROJECT	TITLE	DATE
THE WORLD TRADE CENTER	BEAM SCHEDULE TOWERS A AND B	1/10/69

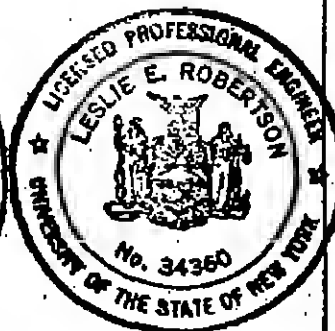
REVISIONS

BEAM NO.	SIZE	TYPE	FY	SHAPE	PLATE 1		PLATE 2		DIMENSIONS		SUPPORTS		STUDS		REMARKS
					WIDTH	THICK	WIDTH	THICK	LENGTH	DIM. A	LEFT	RIGHT	NO.	SIZE	
900	-	100	36	16B31	-	-	-	-	-	-	220D	254C	-	-	
901	-	100	50	18WF64	-	-	-	-	-	-	283V	359B	-	-	
902	-	100	50	18WF64	-	-	-	-	-	-	361B	456B	-	-	
903	-	100	50	18WF64	-	-	-	-	-	-	283V	456B	-	-	
904	-	100	50	18WF64	-	-	-	-	-	-	201D	456B	-	-	
905	-	100	50	18WF64	-	-	-	-	-	-	361B	456B	-	-	X
906	-	100	36	6B16	-	-	-	-	-	-	510A	510A	-	-	
907	-	100	36	16WF40	-	-	-	-	-	-	283	26.5K	-	-	
908	-	100	50	18WF85	-	-	-	-	-	-	456B	456B	-	-	
909	-	100	50	18WF64	-	-	-	-	-	-	456B	456B	-	-	
910	-	100	36	16WF40	-	-	-	-	-	-	26.5K	26.5K	-	-	
911	-	600	36	68X21.9	-	-	-	-	-	-	451	451	-	-	1
912	16X5-1/2BX	204	36	-	4	3/8	16	3/4	-	-	206B	254B	-	-	
913	-	100	50	10WF45	-	-	-	-	-	-	357D	361B	-	-	
914	-	100	50	10WF45	-	-	-	-	-	-	357D	275A	-	-	
915	-	100	50	10WF45	-	-	-	-	-	-	357D	361B	-	-	
916	-	100	50	10WF45	-	-	-	-	-	-	283R	283R	-	-	
917	-	100	50	10WF45	-	-	-	-	-	-	201I	201E	-	-	
918	-	100	36	16WF36	-	-	-	-	-	-	208C	352A	39	3/4X3J	
919	-	100	50	10WF45	-	-	-	-	-	-	357D	362A	-	-	
920	-	100	50	10WF39	-	-	-	-	-	-	283R	283R	-	-	
921	-	100	50	14WF53	-	-	-	-	-	-	456F	456B	-	-	
922	-	100	50	14WF53	-	-	-	-	-	-	456F	456B	-	-	
923	-	100	50	18WF64	-	-	-	-	-	-	283V	345A	-	-	
924	-	100	36	18WF45	-	-	-	-	-	-	170E	286B	8	3/4X3B	
925	-	100	36	18WF60	-	-	-	-	-	-	26.5K	26.5K	-	-	
926	-	100	50	16B26	-	-	-	-	-	-	26.5K	26.5K	22	3/4X3	
927	-	100	50	16B26	-	-	-	-	-	-	26.5K	26.5K	22	3/4X3	
928	-	100	50	14B22	-	-	-	-	-	-	26.5K	26.5K	20	3/4X3	
929	-	100	50	14B22	-	-	-	-	-	-	26.5K	26.5K	20	3/4X3	
930	-	100	50	14B22	-	-	-	-	-	-	26.5K	26.5K	20	3/4X3	
931	-	100	50	14B22	-	-	-	-	-	-	26.5K	26.5K	20	3/4X3	
932	-	100	50	14B22	-	-	-	-	-	-	26.5K	26.5K	20	3/4X3	
933	-	100	50	14B22	-	-	-	-	-	-	26.5K	26.5K	20	3/4X3	

REMARKS

1 STANDARD STRUCTURAL TUBING 6X4X3/8

* HOLD



SKILLING-HELLE-CHRISTIANSEN-ROBERTSON

Civil & Structural Engineers

PROJECT

THE WORLD TRADE CENTER

TITLE

BEAM SCHEDULE TOWERS A AND B

DATE

4/17/68

REVISIONS

BEAM NO.	SIZE	TYPE	FY	SHAPE	PLATE 1		PLATE 2		DIMENSIONS		SUPPORTS		STUDS		REMARKS
					WIDTH	THICK	WIDTH	THICK	LENGTH	DIM. A	LEFT	RIGHT	NO.	SIZE	
934	-	100	36	8B13	-	-	-	-	-	-	17.4K	17.4K	12	3/4X3	
935	-	100	36	18WF60	-	-	-	-	-	-	317A	317A	34	3/4X3	
936	-	100	36	8B13	-	-	-	-	-	-	17.4K	17.4K	12	3/4X3	
937	-	100	36	8B13	-	-	-	-	-	-	17.4K	17.4K	12	3/4X3	
938	-	100	36	8B13	-	-	-	-	-	-	17.4K	17.4K	12	3/4X3	
939	-	100	36	8B13	-	-	-	-	-	-	17.4K	17.4K	12	3/4X3	
940	-	100	36	8B13	-	-	-	-	-	-	17.4K	17.4K	12	3/4X3	
941	-	100	36	8B13	-	-	-	-	-	-	17.4K	17.4K	12	3/4X3	
942	-	100	50	14B22	-	-	-	-	-	-	26.5K	26.5K	16	3/4X3	
943	-	100	50	14B22	-	-	-	-	-	-	26.5K	26.5K	16	3/4X3	
944	-	100	50	16WF58	-	-	-	-	-	-	26.5K	368E	16	3/4X3	
945	-	100	36	18WF45	-	-	-	-	-	-	26.5K	368F	16	3/4X3	
946	-	100	36	18WF60	-	-	-	-	-	-	317A	317A	34	3/4X3	
947	-	100	36	8B13	-	-	-	-	-	-	17.4K	17.4K	-	-	
948	-	100	36	16B31	-	-	-	-	-	-	254B	335G	-	-	1
949	-	100	36	14B22	-	-	-	-	-	-	26.5K	26.5K	22	3/4X3	
950	-	100	50	16WF58	-	-	-	-	-	-	170E	211B	30	3/4X3	
951	-	100	50	12B19	-	-	-	-	-	-	335C	26.5K	16	3/4X3C	
952	-	100	50	16WF36	-	-	-	-	-	-	335N	357C	16	3/4X3	
953	-	100	36	18154.7	-	-	-	-	-	-	537A	398A	16	3/4X3	
954	-	100	50	12B16.5	-	-	-	-	-	-	105A	26.5K	26	3/4X3	
955	-	100	50	16B26	-	-	-	-	-	-	288M	172B	-	-	
956	-	100	50	16B26	-	-	-	-	-	-	208B	209A	20	3/4X3	
957	-	406	50	16B26	-	-	-	-	-	-	216A	209A	20	3/4X3	
958	-	100	50	14B26	-	-	-	-	-	-	201B	170C	20	3/4X3	
959	-	100	36	8B13	-	-	-	-	-	-	283M	283M	-	-	
960	-	100	36	16B26	-	-	-	-	-	-	26.5K	208B	12	3/4X3	
961	-	100	36	8B13	-	-	-	-	-	-	105D	105D	12	3/4X3	
962	-	100	36	8B13	-	-	-	-	-	-	201H	201A	12	3/4X3	
963	-	100	36	8B13	-	-	-	-	-	-	17.4K	17.4K	12	3/4X3	
964	-	100	36	8B13	-	-	-	-	-	-	17.4K	17.4K	12	3/4X3	
965	-	100	36	8B13	-	-	-	-	-	-	17.4K	17.4K	12	3/4X3	
966	-	100	36	9CH13.4	-	-	-	-	-	-	17.4K	17.4K	-	-	

REMARKS

1 DETAIL 406 RIGHT END OF BEAM



SKILLING-HELLE-CHRISTIANSEN-ROBERTSON

Civil & Structural Engineers

PROJECT

THE WORLD TRADE CENTER

TITLE

BEAM SCHEDULE TOWERS A AND B

DATE

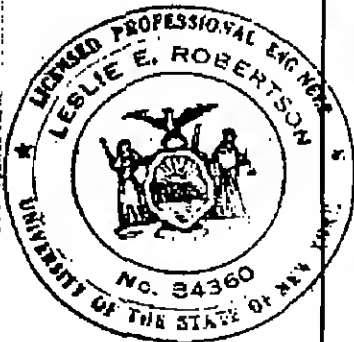
4/17/68

REVISIONS

BEAM NO.	SIZE	TYPE	FY	SHAPE	PLATE 1		PLATE 2		DIMENSIONS		SUPPORTS		STUDS		REMARKS
					WIDTH	THICK	WIDTH	THICK	LENGTH	DIM. A	LEFT	RIGHT	NO.	SIZE	
967	-	100	36	8B13	-	-	-	-	-	-	214A	215A	12	3/4X3	
968	-	406	50	16B26	-	-	-	-	-	-	208B	216A	8	3/4X3	
969	-	412	36	24I100	-	-	-	-	-	-	345A	407B	-	-	
970	-	100	36	24I100	-	-	-	-	-	-	205K	409B	-	-	
971	-	100	36	24I100	-	-	-	-	-	-	205J	209A	-	-	
972	-	100	36	24I100	-	-	-	-	-	-	209A	205J	60	3/4X3	
973	-	100	36	24I100	-	-	-	-	-	-	409B	205L	-	-	
974	-	411	36	24I100	-	-	-	-	-	-	407B	359B	-	-	
975	-	100	50	24WF68	-	-	-	-	-	-	358A	275A	30	3/4X3	
976	-	100	50	24WF76	-	-	-	-	-	-	361B	111R	30	3/4X3	
977	-	100	50	24WF94	-	-	-	-	-	-	106H	361B	30	3/4X3	
978	-	100	50	24WF76	-	-	-	-	-	-	362A	111T	30	3/4X3	
979	-	100	50	21WF62	-	-	-	-	-	-	220H	368E	30	3/4X3	
980	-	100	50	24WF76	-	-	-	-	-	-	368E	211B	30	3/4X3	
981	-	100	50	21WF62	-	-	-	-	-	-	398A	368F	30	3/4X3	
982	-	100	50	21WF62	-	-	-	-	-	-	368F	220H	30	3/4X3	
983	-	100	50	16WF36	-	-	-	-	-	-	211B	26.5K	15	3/4X3	
984	-	100	50	16WF36	-	-	-	-	-	-	26.5K	398A	8	3/4X3	
985	-	100	50	16WF40	-	-	-	-	-	-	220S	205P	-	-	
986	-	100	50	16WF40	-	-	-	-	-	-	402A	402A	-	-	
987	-	100	50	16WF40	-	-	-	-	-	-	205F	335C	-	-	
988	24X78U	300	36	-	SEE REMARKS		22	1/2	-	-	335N	310J	-	-	2 1,3,4
989	-	100	50	16WF40	-	-	-	-	-	-	402A	402A	-	-	
990	-	100	36	8B13	-	-	-	-	-	-	17.4K	17.4K	12	3/4X3	
991	-	100	36	8B13	-	-	-	-	-	-	17.4K	17.4K	12	3/4X3	
992	-	100	36	8B13	-	-	-	-	-	-	17.4K	17.4K	12	3/4X3	
993	-	100	50	8B13	-	-	-	-	-	-	17.4K	17.4K	12	3/4X3	
994	-	100	50	14B22	-	-	-	-	-	-	209A	335B	34	3/4X3	
995	-	100	50	14B22	-	-	-	-	-	-	335B	235C	15	3/4X3	
996	-	100	36	33WF118	-	-	-	-	-	-	209B	335N	-	-	
997	16X5-1/2 BX	201	36	-	4	3/8	16	3/4	-	-	254B	206B	-	-	
998	-	100	36	36WF150	-	-	-	-	-	-	253.0K	537A	-	-	
999	-	100	36	8B13	-	-	-	-	-	-	17.4K	17.4K	12	3/4X3	

REMARKS

- 1 DETAIL 405 LEFT END OF BEAM
- 2 DETAIL 405 RIGHT END OF BEAM
- 3 SEE 6-A82-36 FOR TROLLEY BEAM SUPPORT
- 4 7X 1 PL FOR TOP FLANGE,
7X 1-1/2 PL FOR BOTTOM FLANGE



SKILLING-HELLE-CHRISTIANSEN-ROBERTSON

Civil & Structural Engineers

PROJECT		THE WORLD TRADE CENTER			TITLE		BEAM SCHEDULE TOWERS A AND B				DATE		1/22/68		
BEAM NO.	SIZE	TYPE	FY	SHAPE	PLATE 1		PLATE 2		DIMENSIONS		SUPPORTS		STUDS		REMARKS
					WIDTH	THICK	WIDTH	THICK	LENGTH	DIM. A	LEFT	RIGHT	NO.	SIZE	
1000	16X5-1/2BX	204	36	-	4	3/8	16	3/4	-	-	206A	254C	-	-	
1001	-	100	36	16B26	-	-	-	-	-	-	26.5K	26.5K	24	3/4X3	
1002	-	100	36	16B26	-	-	-	-	-	-	26.5K	26.5K	24	3/4X3	
1003	-	100	36	16B26	-	-	-	-	-	-	105L	26.5K	24	3/4X3	
1004	-	100	36	16B26	-	-	-	-	-	-	26.5K	26.5K	24	3/4X3	
1005	-	100	50	21WF55	-	-	-	-	-	-	106I	111S	51	3/4X3	ⓧ
1006	-	100	50	21WF55	-	-	-	-	-	-	106I	111S	70	3/4X3	
1007	-	100	36	8813	-	-	-	-	-	-	214A	215A	8	3/4X3	
1008	-	100	36	8813	-	-	-	-	-	-	175A	17.4K	11	3/4X3	
1009	-	100	36	8813	-	-	-	-	-	-	17.4K	17.4K	-	-	
1010	-	100	36	16WF36	-	-	-	-	-	-	310F	26.5K	20	3/4X3	
1011	-	100	36	8813	-	-	-	-	-	-	17.4K	17.4K	8	3/4X3	
1012	-	100	36	16WF40	-	-	-	-	-	-	205F	220I	-	-	
1013	-	100	36	10WF21	-	-	-	-	-	-	172B	369A	-	-	
1014	-	100	36	14B22	-	-	-	-	-	-	235C	335B	16	3/4X3	
1015	-	100	36	14B22	-	-	-	-	-	-	335B	235C	16	3/4X3	
1016	-	100	36	6WF20	-	-	-	-	-	-	17.4K	17.4K	-	-	
1017	-	100	50	14B22	-	-	-	-	-	-	335B	235D	16	3/4X3	
1018	-	100	36	16WF50	-	-	-	-	-	-	26.5K	26.5K	20	3/4X3	
1019	-	100	36	14B22	-	-	-	-	-	-	26.5K	208B	9	3/4X3	
1020	-	100	36	16B26	-	-	-	-	-	-	201F	201B	9	3/4X3	
1021	-	100	36	8813	-	-	-	-	-	-	105D	105D	9	3/4X3	
1022	-	100	36	8813	-	-	-	-	-	-	17.4K	17.4K	-	-	
1023	-	100	36	16B26	-	-	-	-	-	-	418B	418B	-	-	
1024	-	100	36	18WF60	-	-	-	-	-	-	111S	106I	41	3/4X3	ⓧ
1025	-	100	36	12CH20.7	-	-	-	-	-	-	26.5K	26.5K	-	-	
1026	-	100	36N	8813C	-	-	-	-	-	-	111N	105C	-	-	
1027	-	100	36L	14B22	-	-	-	-	-	-	105L	26.5K	22	3/4X3	
1028	-	100	36	16B26	-	-	-	-	-	-	26.5K	26.5K	24	3/4X3	
1029	-	100	36	12B16.5	-	-	-	-	-	-	26.5K	26.5K	13	3/4X3	
1030	-	100	36	16B26	-	-	-	-	-	-	26.5K	26.5K	24	3/4X3	
1031	16X5 BU	300	36	-	5	3/4	14-1/2	1/4	-	-	283M	26.5K	-	-	
1032	-	100	50	14B22	-	-	-	-	-	-	208B	335D	28	3/4X3	
1033	-	100	50	14B22	-	-	-	-	-	-	216A	335D	28	3/4X3	

REMARKS

1 DETAIL 512 INTERMEDIATE SUPPORT OF BEAM



SKILLING-HELLE-CHRISTIANSEN-ROBERTSON

Civil & Structural Engineers

PROJECT

THE WORLD TRADE CENTER

TITLE

BEAM SCHEDULE TOWERS A AND B

DATE

9/25/68

REVISIONS

BEAM NO.	SIZE	TYPE	FY	SHAPE	PLATE 1		PLATE 2		DIMENSIONS		SUPPORTS		STUDS		REMARKS
					WIDTH	THICK	WIDTH	THICK	LENGTH	DIM. A	LEFT	RIGHT	NO.	SIZE	
1034	-	100	36	16B26	-	-	-	-	-	-	2018	170C	24	3/4X3	
1035	-	100	36	16WF36	-	-	-	-	-	-	2080	26.5K	8	3/4X3	
1036	-	100	36	14B22	-	-	-	-	-	-	208B	216A	8	3/4X3	
1037	-	100	36	14B22	-	-	-	-	-	-	3350	26.5K	22	3/4X3	
1038	-	100	36	16WF36	-	-	-	-	-	-	286B	2080	33	3/4X3	
1039	-	100	36	16WF50	-	-	-	-	-	-	310F	208C	16	3/4X3	
1040	-	100	36	14B22	-	-	-	-	-	-	26.5K	26.5K	-	-	X
1041	-	404	50	16WF50	-	-	-	-	-	-	26.5K	274B	26	3/4X3	
1042	-	100	36	16WF36	-	-	-	-	-	-	26.5K	26.5K	33	3/4X3	
1043	-	100	36	16WF36	-	-	-	-	-	-	26.5K	26.5K	20	3/4X3	
1044	-	100	36	16WF36	-	-	-	-	-	-	26.5K	105L	8	3/4X3B	
1045	-	100	36	16WF40	-	-	-	-	-	-	26.5K	26.5K	33	3/4X3	
1046	-	100	36	12B16.5	-	-	-	-	-	-	105L	105L	13	3/4X3	
1047	-	100	36	18WF60	-	-	-	-	-	-	28.4K	105N	8	3/4X3B	
1048	-	100	36	18WF50	-	-	-	-	-	-	170E	286B	15	3/4X3B	
1049	-	100	36	8B13	-	-	-	-	-	-	17.4K	17.4K	-	-	
1050	-	100	36	12B16.5	-	-	-	-	-	-	501A	26.5K	-	-	
1051	-	100	36	5CM9.0	-	-	-	-	-	-	366B	501A	-	-	
1052	-	100	36	5CM9.0	-	-	-	-	-	-	501A	363A	-	-	3
1053	-	100	36	8B13	-	-	-	-	-	-	105H	105H	-	-	
1054	-	100	36	14B22	-	-	-	-	-	-	283U	502A	-	-	
1055	-	100	36	18WF45	-	-	-	-	-	-	35.7K	286B	48	3/4X3	
1056	-	404	36	18WF50	-	-	-	-	-	-	26.5K	282A	26	3/4X3	
1057	20X7 BU	300	36	-	7	1	18	3/8	-	-	220Q	205H	-	-	1
1058	20X7 BU	300	36	-	7	1	18	3/8	-	-	408A	408A	-	-	
1059	20X7 BU	300	36	-	7	1	18	3/8	-	-	205N	3350	-	-	1
1060	20X7 BU	300	36	-	7	1	18	3/8	-	-	310F	310E	-	-	2
1061	20X7 BU	300	36	-	7	1	18	3/8	-	-	408A	408A	-	-	
1062	20X7 BU	300	36	-	7	1	18	3/8	-	-	205N	220Q	-	-	2
1063	20X7 BU	300	36	-	7	1	18	3/8	-	-	220R	205M	-	-	1
1064	20X7 BU	300	36	-	7	1	18	3/8	-	-	408A	408A	-	-	
1065	20X7 BU	300	36	-	7	1	18	3/8	-	-	205N	3350	-	-	1
1066	20X7 BU	300	36	-	7	1	18	3/8	-	-	3350	205N	-	-	2

REMARKS

- 1 DETAIL 408A RIGHT END OF BEAM
- 2 DETAIL 408A LEFT END OF BEAM
- 3 DETAIL 306B RIGHT END OF BEAM AT FLOOR 75 ONLY



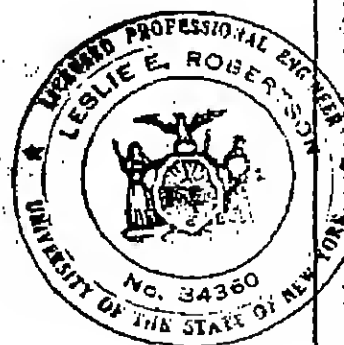
SKILLING, HELLE-CHRISTIANSEN-ROBERTSON

Civil & Structural Engineers

PROJECT					TITLE							DATE			
THE WORLD TRADE CENTER					BEAM SCHEDULE TOWERS A AND B							4/17/68			
BEAM NO.	SIZE	TYPE	FY	SHAPE	PLATE 1		PLATE 2		DIMENSIONS		SUPPORTS		STUDS		REMARKS
					WIDTH	THICK	WIDTH	THICK	LENGTH	DIM. A	LEFT	RIGHT	NO.	SIZE	
1067	20X7 BU	300	36	-	7	1	18	3/8	-	-	408A	408A	-	-	1
1068	20X7 BU	300	36	-	7	1	18	3/8	-	-	205M	220R	-	-	
1069	-	100	36	16B31	-	-	-	-	-	-	220D	254B	-	-	
1070	-	100	36	16B31	-	-	-	-	-	-	254B	254B	-	-	
1071	-	100	50	16B31	-	-	-	-	-	-	254B	335B	-	-	2
1072	-	402	50	16B31	4	1/4	-	-	-	-	335B	254B	-	-	3
1073	-	100	36	16B31	-	-	-	-	-	-	254B	254B	-	-	
1074	-	100	36	16B31	-	-	-	-	-	-	254B	220D	-	-	
1075	-	100	36	16B31	-	-	-	-	-	-	220D	254C	-	-	
1076	-	100	36	16B31	-	-	-	-	-	-	254C	254C	-	-	
1077	-	100	50	16B31	-	-	-	-	-	-	254C	335B	-	-	2
1078	-	100	50	16B31	-	-	-	-	-	-	335B	254C	-	-	3
1079	-	100	36	16B31	-	-	-	-	-	-	254C	254C	-	-	
1080	-	100	36	16B31	-	-	-	-	-	-	254C	220D	-	-	
1081	-	100	36	24WF76	-	-	-	-	-	-	237C	317E	34	3/4X3	
1082	-	100	36	18WF60	-	-	-	-	-	-	419A	414A	22	3/4X3	
1083	-	100	36	18WF60	-	-	-	-	-	-	414B	419A	22	3/4X3	
1084	-	100	36	27WF84	-	-	-	-	-	-	237C	251F	38	3/4X3	
1085	-	100	36	27WF84	-	-	-	-	-	-	430A	430A	24	3/4X3	
1086	-	100	36	27WF84	-	-	-	-	-	-	251F	482B	38	3/4X3	
1087	-	100	36	24WF84	-	-	-	-	-	-	482A	482C	14	3/4X3	
1088	-	100	36	27WF84	-	-	-	-	-	-	482B	251F	38	3/4X3	
1089	-	100	36	27WF84	-	-	-	-	-	-	430A	430A	24	3/4X3	
1090	-	100	36	27WF84	-	-	-	-	-	-	251F	237C	38	3/4X3	
1091	-	100	36	27WF84	-	-	-	-	-	-	237C	251F	38	3/4X3	
1092	-	100	36	27WF84	-	-	-	-	-	-	430A	430A	24	3/4X3	
1093	-	100	36	27WF84	-	-	-	-	-	-	251F	478B	38	3/4X3	
1094	-	100	36	27WF84	-	-	-	-	-	-	482B	251E	38	3/4X3	
1095	-	100	36	27WF84	-	-	-	-	-	-	430A	430A	24	3/4X3	
1096	-	100	36	27WF84	-	-	-	-	-	-	251F	237C	38	3/4X3	
1097	-	100	36	8B13	-	-	-	-	-	-	17.4K	17.4K	-	-	
1098	-	100	36	8B13	-	-	-	-	-	-	17.4K	17.4K	-	-	
1099	-	100	36	18WF45	-	-	-	-	-	-	111M	111M	10	3/4X3	

REMARKS

- 1 DETAIL 408 LEFT END OF BEAM
- 2 DETAIL 406 RIGHT END OF BEAM
- 3 DETAIL 406 LEFT END OF BEAM



PROJECT

THE WORLD TRADE CENTER

TITLE

BEAM SCHEDULE TOWERS A AND B

DATE

3/29/68

REVISIONS

BEAM NO.	SIZE	TYPE	FY	SHAPE	PLATE 1		PLATE 2		DIMENSIONS		SUPPORTS		STUDS		REMARKS
					WIDTH	THICK	WIDTH	THICK	LENGTH	DIM. A	LEFT	RIGHT	NO.	SIZE	
1100	18X4 BX	200	36	-	2-1/2	3/8	18	3/4	-	-	372A	282A	-	-	(2)
1101	-	100	36	16WF36	-	-	-	-	-	-	364C	364C	-	-	
1102	-	100	36	16WF36	-	-	-	-	-	-	364C	502A	-	-	
1103	-	100	36	8B13	-	-	-	-	-	-	17.4K	17.4K	-	-	
1104	-	100	36	16B26	-	-	-	-	-	-	17.4K	172B	-	-	
1105	-	100	36	16WF36	-	-	-	-	-	-	26.5K	178A	-	-	1 X
1106	-	100	36	8B13	-	-	-	-	-	-	369B	172C	-	-	
1107	-	100	36	16WF50	-	-	-	-	-	-	178B	508	-	-	1
1108	-	100	36	8B13	-	-	-	-	-	-	17.4K	17.4K	-	-	
1109	-	100	36	15CH33.9	-	-	-	-	-	-	420A	421A	-	-	
1110	-	100	36	14B22	-	-	-	-	-	-	172B	26.5K	-	-	
1111	-	100	36	8B13	-	-	-	-	-	-	17.4K	17.4K	11	3/4X3	
1112	-	100	36	16B26	-	-	-	-	-	-	26.5K	26.5K	28	3/4X3	
1113	-	100	36	16B26	-	-	-	-	-	-	26.5K	26.5K	24	3/4X3	
1114	-	100	36	12B19	-	-	-	-	-	-	105A	475B	-	-	
1115	-	100	36	12B19	-	-	-	-	-	-	26.5K	26.5K	15	3/4X3	
1116	-	400	50	16WF40	6	1/2	-	-	23FT 0	-	106A	111J	68	3/4X30	
1117	-	100	50	14WF53	-	-	-	-	-	-	106A	111I	39	3/4X30	
1118	-	100	36	15CH33.9	-	-	-	-	-	-	315B	315E	-	-	
1119	-	100	36	15CH33.9	-	-	-	-	-	-	422A	423A	-	-	
1120	-	100	50	15CH50.0	-	-	-	-	-	-	315B	233A	-	-	
1121	-	100	36	8B13	-	-	-	-	-	-	17.4K	17.4K	-	-	
1122	-	100	36	8CH11.5	-	-	-	-	-	-	363A	363A	-	-	
1123	-	100	36	12B16.5	-	-	-	-	-	-	26.5K	26.5K	-	-	
1124	16X5-1/2BX	204	36	-	4	3/8	16	3/4	-	-	450	480	-	-	
1125	16X5-1/2BX	204	36	-	4	3/8	16	3/4	-	-	206A	375A	-	-	
1126	16X5-1/2BX	201	36	-	4	3/8	16	3/4	-	-	480	450	-	-	
1127	16X5-1/2BX	201	36	-	4	3/8	16	3/4	-	-	375A	206A	-	-	
1128	-	100	36	12B16.5	-	-	-	-	-	-	26.5K	26.5K	-	-	
1129	-	100	36	14B22	-	-	-	-	-	-	26.5K	26.5K	-	-	
1130	16X5-1/2BX	201	36	-	4	3/8	16	3/4	-	-	375A	247G	-	-	
1131	-	100	36	8B13	-	-	-	-	-	-	369B	172C	-	-	
1132	-	100	36	10CH25	-	-	-	-	-	-	249A	249A	-	-	
1133	-	100	36	14B22	-	-	-	-	-	-	176A	508	-	-	1

REMARKS

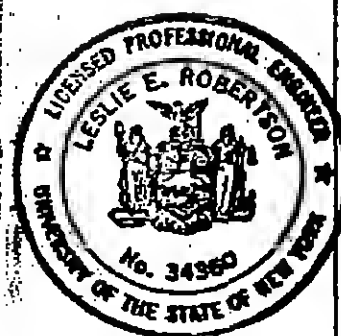
- 1 DETAIL 512 INTERMEDIATE SUPPORT OF BEAM
 2 SEE 6-AB1-40.1 FOR LEFT SUPPORT DET.



PROJECT	TITLE	DATE
THE WORLD TRADE CENTER	BEAM SCHEDULE TOWERS A AND B	1/10/69

REVISIONS

BEAM NO.	SIZE	TYPE	FY	SHAPE	PLATE 1		PLATE 2		DIMENSIONS		SUPPORTS		STUDS		REMARKS
					WIDTH	THICK	WIDTH	THICK	LENGTH	DIM. A	LEFT	RIGHT	NO.	SIZE	
1134	-	100	36	14B22	-	-	-	-	-	-	26.5K	26.5K	10	3/4X3B	
1135	-	100	36	14B26	-	-	-	-	-	-	2018	170C	18	3/4X3	
1136	-	100	36	12B16.5	-	-	-	-	-	-	26.5K	26.5K	15	3/4X3	
1137	-	404	36	16WF45	-	-	-	-	-	-	278A	282A	26	3/4X3	
1138	-	100	36	18I54.7	-	-	-	-	-	-	26.5K	26.5K	-	-	
1139	-	100	36	14B22	-	-	-	-	-	-	235A	26.5K	-	-	
1140	-	100	36	16B26	-	-	-	-	-	-	26.5K	26.5K	24	3/4X3	
1141	-	404	36	16WF45	-	-	-	-	-	-	274A	282A	26	3/4X3	
1142	-	100	36	16B26	-	-	-	-	-	-	105K	216A	-	-	
1143	-	100	36	8B13	-	-	-	-	-	-	17.4K	17.4K	-	-	
1144	-	100	36	8B13	-	-	-	-	-	-	17.4K	17.4K	13	3/4X3	
1145	-	100	36	16WF36	-	-	-	-	-	-	26.5K	172A	-	-	
1146	-	100	36	16B26	-	-	-	-	-	-	26.5K	26.5K	21	3/4X3	
1147	-	100	36	12WF27	-	-	-	-	-	-	105L	105L	18	3/4X3	
1148	-	100	36	12CH20.7	-	-	-	-	-	-	26.5K	26.5K	-	-	
1149	-	100	36	12WF36	-	-	-	-	-	-	214A	215A	-	-	
1150	-	100	36	16WF40	-	-	-	-	-	-	201E	170B	-	-	
1151	-	100	36	16WF36	-	-	-	-	-	-	216A	172A	-	-	
1152	-	100	36	16WF36	-	-	-	-	-	-	292C	26.5K	-	-	
1153	18X6 BU	300	36	-	6	1	17	1/2	-	-	26.5K	172A	-	-	
1154	-	100	36	18WF45	-	-	-	-	-	-	172A	207A	-	-	
1155	-	100	36	12WF31	-	-	-	-	-	-	173A	26.5K	33	3/4X3C	
1156	-	100	36	16B26	-	-	-	-	-	-	172B	26.5K	24	3/4X3	
1157	-	100	36	12WF40	-	-	-	-	-	-	370K	369B	-	-	
1158	-	100	36	12WF27	-	-	-	-	-	-	111M	111M	-	-	
1159	-	100	36	21WF55	-	-	-	-	-	-	111R	106R	-	-	
1160	-	100	36	16WF40	-	-	-	-	-	-	106N	111V	-	-	
1161	-	100	36	10CH25	-	-	-	-	-	-	249B	249B	-	-	
1162	-	100	36	16WF40	-	-	-	-	-	-	106D	106D	-	-	
1163	18X4 CH	501	50	18CH42.7	2-7/8	7/8	-	-	24FT 0	1FT 0	246A	249B	-	-	
1164	-	100	36	16WF36	-	-	-	-	-	-	26.5K	111A	33	3/4X3	
1165	-	100	36	16WF36	-	-	-	-	-	-	283U	506B	23	3/4X3	
1166	-	100	36	16WF36	-	-	-	-	-	-	283U	506A	23	3/4X3	



SKILLING, BELLE, CHRISTIANSEN, ROBERTSON

Structural & Civil Engineers

PROJECT THE WORLD TRADE CENTER

TITLE BEAM SCHEDULE TOWERS A AND B

DATE 1/10/69

REVISIONS

REVISIONS

BEAM NO.	SIZE	TYPE	FY	SHAPE	PLATE 1		PLATE 2		DIMENSIONS		SUPPORTS		STUDS		REMARKS
					WIDTH	THICK	WIDTH	THICK	LENGTH	DIM. A	LEFT	RIGHT	NO.	SIZE	
1167	-	100	36	10WF21	-	-	-	-	-	-	17.4K	17.4K	-	-	
1168	-	100	36	16WF36	-	-	-	-	-	-	506A	283U	23	3/4X3	
1169	-	100	36	12WF45	-	-	-	-	-	-	26.5K	26.5K	25	3/4X3	
1170	-	100	36	16WF36	-	-	-	-	-	-	506B	283U	23	3/4X3	
1171	-	100	36	12WF31	-	-	-	-	-	-	506A	506B	-	-	
1172	-	100	36	10WF25	-	-	-	-	-	-	505A	505B	-	-	
1173	-	100	36	12WF27	-	-	-	-	-	-	102A	103A	-	-	
1174	-	100	36	30WF108	-	-	-	-	-	-	105E	94.2K	-	-	
1175	-	100	36	16WF58	-	-	-	-	-	-	26.9K	29.8K	-	-	
1176	-	100	36	8B13	-	-	-	-	-	-	17.4K	172C	-	-	
1177	24X6 BU	300	36	-	6	3/4	22-1/2	3/8	-	-	283P	94.2K	-	-	
1178	-	100	36	16WF58	-	-	-	-	-	-	27.8K	29.5K	-	-	
1179	24X6 BU	300	36	-	6	1-3/4	20-1/2	1/2	-	-	88.4K	220W	-	-	
1180	24X6 BU	300	36	-	6	3/4	22-1/2	3/8	-	-	283V	172A	-	-	
1181	-	100	36	24WF94	-	-	-	-	-	-	51.2K	288A	-	-	
1182	-	100	36	16WF40	-	-	-	-	-	-	288A	292C	33	3/4X3	
1183	-	100	36	18WF45	-	-	-	-	-	-	26.5K	288A	-	-	
1184	-	100	36	18WF50	-	-	-	-	-	-	72.3K	111T	-	-	
1185	-	100	36	24WF68	-	-	-	-	-	-	357F	72.2K	-	-	
1186	-	100	36	24WF68	-	-	-	-	-	-	(456H)	72.2K	-	-	2
1187	-	100	36	16WF36	-	-	-	-	-	-	26.5K	26.5K	-	-	
1188	-	100	36	24WF120	-	-	-	-	-	-	111T	360B	-	-	
1189	-	100	36	24WF76	-	-	-	-	-	-	105E	94.2K	-	-	
1190	-	100	36	16WF40	-	-	-	-	-	-	220V	419B	-	-	
1191	20X7 BU	300	36	-	7	7/8	18-1/4	3/8	-	-	205X	409D	-	-	
1192	20X7 BU	300	36	-	7	3/4	18-1/2	3/8	-	-	205W	220W	-	-	
1193	20X7 BU	300	36	-	7	3/4	18-1/2	3/8	-	-	220W	322B	-	-	
1194	-	100	36	16WF40	-	-	-	-	-	-	322B	401A	-	-	
1195	-	100	36A	16WF40	-	-	-	-	-	-	205V	220V	-	-	
1196	-	100	36	16WF50	-	-	-	-	-	-	338D	285A	-	-	
1197	-	100	36	16WF50	-	-	-	-	-	-	285A	285A	-	-	
1198	-	100	36	16B31	-	-	-	-	-	-	285A	205R	-	-	
1199	21X7 BU	200	36	-	7	1	19	1/2	-	-	205S	265D	-	-	1

REMARKS

- 1 EXTEND LEFT END 1FT-0 PAST COLUMN CENTER LINE
- 2 LEFT SUPPORT DETAIL IS REVISED AFTER FABRICATION



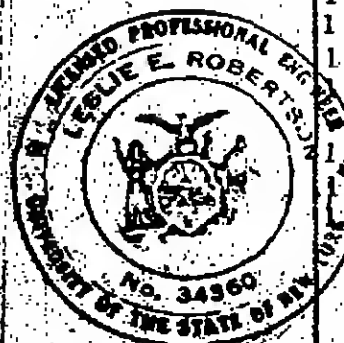
SKILLING-HELLE-CHRISTIANSEN-ROBERTSON

Civil & Structural Engineers

PROJECT					TITLE							DATE			
THE WORLD TRADE CENTER					BEAM SCHEDULE TOWERS A AND B							1/24/68			
					PLATE 1		PLATE 2		DIMENSIONS		SUPPORTS		STUDS		
BEAM NO.	SIZE	TYPE	FY	SHAPE	WIDTH	THICK	WIDTH	THICK	LENGTH	DIM. A	LEFT	RIGHT	NO.	SIZE	REMARKS
1200	-	100	36	16WF50	-	-	-	-	-	-	265D	285A	-	-	
1201	-	100	36	16WF50	-	-	-	-	-	-	285A	338D	-	-	
1202	-	100	36	16WF40	-	-	-	-	-	-	220V	419B	-	-	
1203	30X7 BU	300	36	-	7	3/4	28-1/2	3/8	-	-	205Y	205T	20	3/4X3B	2
1204	30X7 BU	300	36	-	7	3/4	28-1/2	3/8	-	-	409C	205U	-	-	3
1205	-	100	36	16WF40	-	-	-	-	-	-	205I	205I	-	-	
1206	-	100	36	16WF40	-	-	-	-	-	-	401A	401A	-	-	
1207	-	100	36	16WF40	-	-	-	-	-	-	205V	220V	-	-	
1208	-	100	36	16WF50	-	-	-	-	-	-	338D	285A	-	-	
1209	-	100	36	16WF50	-	-	-	-	-	-	285A	285A	-	-	
1210	-	100	36	16WF50	-	-	-	-	-	-	285A	205R	-	-	1
1211	-	100	36	16B31	-	-	-	-	-	-	205R	285A	-	-	
1212	-	100	36	16WF50	-	-	-	-	-	-	285A	285A	-	-	
1213	-	100	36	16WF50	-	-	-	-	-	-	285A	338D	-	-	
1214	16X5-1/2BX	201	36	-	4	3/8	16	3/4	-	-	254B	206B	-	-	
1215	-	100	36	18WF60	-	-	-	-	-	-	111J	106G	41	3/4X3	
1216	-	402	50	21WF55	6	1/2	-	-	23FT	-	106G	106G	79	3/4X3	
1217	-	100	36	24WF76	-	-	-	-	-	-	317E	237C	34	3/4X3	
1218	-	100	36	24WF76	-	-	-	-	-	-	237C	317E	34	3/4X3	
1219	-	100	36	18WF60	-	-	-	-	-	-	419A	414B	28	3/4X3	
1220	-	100	36	18WF60	-	-	-	-	-	-	414B	419A	30	3/4X3	
1221	-	100	36	24WF76	-	-	-	-	-	-	317E	237C	34	3/4X3	
1222	-	100	36	24WF84	-	-	-	-	-	-	473A	482A	14	3/4X3	
1223	-	100	50	21WF55	-	-	-	-	-	-	106G	106G	51	3/4X3D	
1224	-	100	36	16B26	-	-	-	-	-	-	26.5K	352	11	3/4X3	
1225	-	100	36	8B13	-	-	-	-	-	-	105D	105D	11	3/4X3	
1226	16X5-1/2BX	200	36	-	4	3/8	16	3/4	-	-	206A	285A	-	-	
1227	16X5-1/2BX	200	36	-	4	3/8	16	3/4	-	-	285A	206A	-	-	
1228	15X3-3/8CH	505	36	15CH50	2-5/8	9/16	-	-	-	-	315	232	-	-	
1229	-	100	36	16WF40	-	-	-	-	-	-	220M	205F	-	-	
1230	-	100	36	16WF40	-	-	-	-	-	-	401A	401A	-	-	
1231	-	100	36	16WF40	-	-	-	-	-	-	205F	335C	-	-	1
1232	-	100	36	12B16.5	-	-	-	-	-	-	105L	105L	14	3/4X3	

REMARKS

1. DETAIL 405 RIGHT END OF BEAM
2. DETAIL 220V, DO NOT INCLUDE LOWER DIAG. BRACING
3. DETAIL 205Y, DO NOT INCLUDE LOWER DIAG. BRACING



SKILLING, HELLE, CHRISTIANSEN, ROBERTSON

Structural & Civil Engineers

PROJECT THE WORLD TRADE CENTER					TITLE BEAM SCHEDULE TOWERS A AND B						DATE 12/6/68				
BEAM NO.	SIZE	TYPE	FY	SHAPE	PLATE 1		PLATE 2		DIMENSIONS		SUPPORTS		STUDS		REMARKS
					WIDTH	THICK	WIDTH	THICK	LENGTH	DIM. A	LEFT	RIGHT	NO.	SIZE	
1234	-	100	36	16WF36	-	-	-	-	-	-	287G	208H	29	3/4X3	
1235	-	100	36	16WF36	-	-	-	-	-	-	26.5K	208H	15	3/4X36	
1236	-	100	36	14WF43	-	-	-	-	-	-	368C	368B	8	3/4X3	
1237	18X4 CH	501	36	18CH42.7	2-7/8	7/8	-	-	24FT 0	1FT 0	246B	249A	-	-	
1238	-	100	36	16WF36	-	-	-	-	-	-	26.5K	208H	15	3/4X36	
1239	-	100	36	12B19	-	-	-	-	-	-	335B	235C	29	3/4X3	
1240	-	100	50	16WF40	-	-	-	-	-	-	220I	205F	-	-	
1241	-	100	50	16WF40	-	-	-	-	-	-	402A	402A	-	-	
1242	-	100	50	16WF40	-	-	-	-	-	-	205F	335C	-	-	
1243	-	100	50	16WF40	-	-	-	-	-	-	307C	310B	-	-	
1244	16X4 BU	200	36	-	2- 1/2	3/8	16	3/4	-	-	258A	257A	-	-	
1245	16X4 BX	200	36	-	2- 1/2	3/8	16	3/4	-	-	477A	477A	-	-	
1246	16X4 BX	200	36	-	2- 1/2	3/8	16	3/4	-	-	257B	259A	-	-	
1247	16X4 BX	200	36	-	2- 1/2	3/8	16	3/4	-	-	259A	257B	-	-	
1248	-	100	36	12WF27	-	-	-	-	-	-	26.5K	26.5K	18	3/4X3	
1249	-	100	36	8B13	-	-	-	-	-	-	17.4K	17.4K	-	-	
1250	-	100	36	14B22	-	-	-	-	-	-	26.5K	475B	24	3/4X3	
1251	-	100	36	8B13	-	-	-	-	-	-	17.4K	17.4K	11	3/4X3	
1252	-	404	50	16WF50	-	-	-	-	-	-	338D	274B	26	3/4X3	
1253	-	100	36	16WF50	-	-	-	-	-	-	220I	208H	39	3/4X30	
1254	-	100	36	24WF110	-	-	-	-	-	-	173	35.3K	-	-	
1255	-	100	50	12B19	-	-	-	-	-	-	259A	335G	15	3/4X3	
1256	-	100	36	8B13	-	-	-	-	-	-	214A	215A	14	3/4X3	
1257	-	100	36	9CH13.4	-	-	-	-	-	-	17.4K	17.4K	-	-	
1258	-	100	36	16WF36	-	-	-	-	-	-	208H	208H	8	3/4X3	
1259	-	100	36	8B13	-	-	-	-	-	-	17.4K	17.4K	15	3/4X3	
1260	-	100	36	16B31	-	-	-	-	-	-	216A	259A	28	3/4X3	
1261	-	100	36	16B31	-	-	-	-	-	-	208B	259A	28	3/4X3	
1262	-	100	36	14B22	-	-	-	-	-	-	201B	475B	-	-	
1263	-	100	36	16B26	-	-	-	-	-	-	201F	201B	8	3/4X36	
1264	16X4 BX	200	36	-	2- 1/2	3/8	16	3/4	-	-	296C	274B	-	-	
1265	-	100	36	16B26	-	-	-	-	-	-	208B	216A	8	3/4X3	
1266	-	100	36	12WF45	-	-	-	-	-	-	241A	26.5K	12	3/4X4-1/2C	

REMARKS

- 1 DETAIL 477A RIGHT END OF BEAM
- 2 DETAIL 405 RIGHT END OF BEAM



SKILLING, HELLE, CHRISTIANSEN, ROBERTSON

Structural & Civil Engineers

PROJECT	TITLE	DATE
THE WORLD TRADE CENTER	BEAM SCHEDULE TOWERS A AND B	12/ 6/88

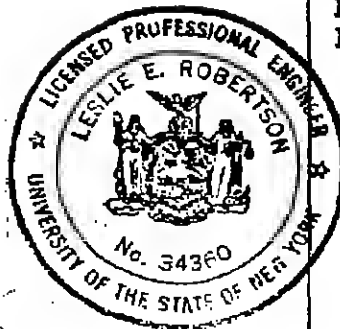
REVISIONS

BEAM NO.	SIZE	TYPE	FY	SHAPE	PLATE 1		PLATE 2		DIMENSIONS		SUPPORTS		STUCCO		REMARKS
					WIDTH	THICK	WIDTH	THICK	LENGTH	DIM. A	LEFT	RIGHT	NO.	SIZE	
1267	-	100	36	14B22	-	-	-	-	-	-	263K	475B	-	-	
1268	-	100	36	8B13	-	-	-	-	-	-	17.4K	17.4K	9	3/4X3	
1269	-	100	36	12B16.5	-	-	-	-	-	-	26.5K	26.5K	15	3/4X3	
1270	-	100	36	12WF27	-	-	-	-	-	-	26.5K	26.5K	10	3/4X3B	
1271	-	100	50	14WF34	-	-	-	-	-	-	106D	106D	47	3/4X3	
1272	-	100	36	12B16.5	-	-	-	-	-	-	26.5K	26.5K	15	3/4X3	X
1273	-	100	36	12B16.5	-	-	-	-	-	-	105L	26.5K	15	3/4X4-1/2C	
1274	-	100	36	14WF48	-	-	-	-	-	-	26.5K	105K	10	3/4X4-1/2B	
1275	-	100	36	8B13	-	-	-	-	-	-	17.4K	17.4K	-	-	
1276	-	100	36	12B16.5	-	-	-	-	-	-	310B	26.5K	15	3/4X3B	
1277	-	100	36	12B16.5	-	-	-	-	-	-	26.5K	26.5K	15	3/4X3	
1278	-	100	36	10B15	-	-	-	-	-	-	17.4K	17.4K	-	-	
1279	-	100	36	12WF45	-	-	-	-	-	-	26.5K	368B	10	3/4X3B	
1280	-	100	36	12WF45	-	-	-	-	-	-	170A	211A	15	3/4X3B	
1281	-	100	36	14B22	-	-	-	-	-	-	335C	26.5K	19	3/4X3	
1282	-	100	36	14WF43	-	-	-	-	-	-	211A	368C	39	3/4X3	
1283	-	100	36	12WF45	-	-	-	-	-	-	307C	368C	15	3/4X3B	
1284	-	100	36	12WF45	-	-	-	-	-	-	26.5K	368B	10	3/4X3B	
1285	-	100	36	12WF45	-	-	-	-	-	-	26.5K	368B	10	3/4X3B	
1286	-	100	36	14WF43	-	-	-	-	-	-	368	368	-	-	
1287	-	100	36	16WF40	-	-	-	-	-	-	220J	205F	35	3/4X3	
1288	-	100	36	16WF40	-	-	-	-	-	-	402A	402A	29	3/4X3	
1289	-	100	36	16WF40	-	-	-	-	-	-	205F	335C	39	3/4X3	1
1290	-	100	36	16WF40	-	-	-	-	-	-	307C	310B	39	3/4X3	2
1291	-	100	36	16WF40	-	-	-	-	-	-	402A	402A	28	3/4X3	
1292	-	100	36	16WF40	-	-	-	-	-	-	205F	220J	36	3/4X3	
1293	18X4 CH	502	50	18CH45.8	-	-	-	-	-	-	246B	324A	-	-	
1294	-	100	36	16B26	-	-	-	-	-	-	335H	235D	15	3/4X3	
1295	-	100	36	14B22	-	-	-	-	-	-	26.5K	26.5K	-	-	
1296	-	100	36	8B16	-	-	-	-	-	-	8.8K	8.8K	9	3/4X3	
1297	-	100	36	16WF36	-	-	-	-	-	-	208H	208H	8	3/4X3	
1298	-	100	36	12B16.5	-	-	-	-	-	-	26.5K	26.5K	-	-	
1299	-	100	36	12B16.5	-	-	-	-	-	-	26.5K	26.5K	-	-	

REMARKS

- 1 DETAIL 405 RIGHT END OF BEAM
- 2 DETAIL 405 LEFT END OF BEAM

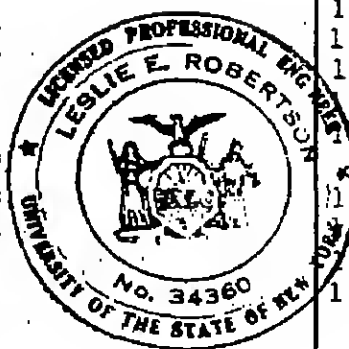
* FGLC



SKILLING-HELLE-CHRISTIANSEN-ROBERTSON

Civil & Structural Engineers

PROJECT					TITLE							DATE				
THE WORLD TRADE CENTER					PEAK SCHEDULE TOWERS A AND B							1/24/68				
SPAR NO.	SIZE	TYPE	FY	SHAPE	PLATE 1		PLATE 2		DIMENSIONS		WELD SIZE		NOTES			
					WIDTH	THICK	WIDTH	THICK	LENGTH	DIM. A	LEFT	RIGHT	NO.	SIZE	SP. NOS	
1300	-	100	36	12B16.5	-	-	-	-	-	-	26.5K	26.5K	-	-		
1301	-	100	36	16WF40	-	-	-	-	-	-	220I	208H	39	3/4X3		
1302	-	100	36	16WF40	-	-	-	-	-	-	208H	220I	39	3/4X3J		
1303	-	100	36	12B16.5	-	-	-	-	-	-	26.5K	26.5K	-	-		
1304	-	100	36	12WF27	-	-	-	-	-	-	26.5K	26.5K	-	-		
1305	-	100	36	12B16.5	-	-	-	-	-	-	26.5K	26.5K	-	-		
1306	-	100	36	12B16.5	-	-	-	-	-	-	105L	26.5K	15	3/4X4-1/2C	X	
1307	-	100	36	16B26	-	-	-	-	-	-	26.5K	294D	-	-		
1308	16X5-1/28X	201	36	-	4	3/8	16	3/4	-	-	294D	247G	-	-		
1309	-	100	36	16WF36	-	-	-	-	-	-	26.5K	276A	30	3/4X3		
1310	-	100	36	14B22	-	-	-	-	-	-	26.5K	26.5K	10	3/4X3		
1311	-	100	36	12B16.5	-	-	-	-	-	-	26.5K	26.5K	-	-		
1312	-	100	36	15CH33.9	-	-	-	-	-	-	315	315	-	-		
1313	-	100	36	10B17	-	-	-	-	-	-	17.4K	17.4K	3	3/4X3		
1314	16X3-3/8CH	505	36	15CH33.9	2-3/8	1-	1/16	-	-	-	315	283	-	-		
1315	-	100	36	12B16.5	-	-	-	-	-	-	26.5K	26.5K	-	-		
1316	-	100	36	12B16.5	-	-	-	-	-	-	26.5K	26.5K	-	-		
1317	-	100	50	14WF34	-	-	-	-	-	-	106D	106D	34	3/4X3		
1318	-	100	36	16WF40	-	-	-	-	-	-	335C	205F	-	-		
1319	-	100	36	16WF40	-	-	-	-	-	-	276A	208H	39	3/4X3J		
1320	-	100	50	14WF34	-	-	-	-	-	-	106D	106D	34	3/4X3		
1321	-	100	36	12B19	-	-	-	-	-	-	283K	111K	15	3/4X3		
1322	-	100	36	12B22	-	-	-	-	-	-	105L	26.5K	15	3/4X4-1/2C		
1323	-	100	36	12WF27	-	-	-	-	-	-	26.5K	26.5K	-	-		
1324	-	100	36	12WF27	-	-	-	-	-	-	283G	105L	19	3/4X4-1/2		
1325	-	100	36	12B16.5	-	-	-	-	-	-	26.5K	26.5K	13	3/4X3		
1326	-	100	36	12B16.5	-	-	-	-	-	-	303B	17.7K	10	3/4X3B		
1327	-	100	36	12B16.5	-	-	-	-	-	-	26.5K	26.5K	12	3/4X3		
1328	-	100	36	16WF40	-	-	-	-	-	-	368B	220I	49	3/4X3J		
1329	-	100	36	16WF40	-	-	-	-	-	-	205F	220F	-	-		
1330	-	100	36	12B16.5	-	-	-	-	-	-	26.5K	26.5K	-	-		
1331	-	100	36	12WF27	-	-	-	-	-	-	26.5K	26.5K	-	-		
1332	-	100	36	16WF36	-	-	-	-	-	-	208H	276A	8	3/4X3		
1333	-	100	36	16WF36	-	-	-	-	-	-	26.5K	276A	30	3/4X3		



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PROJECT		THE WORLD TRADE CENTER			TITLE		BEAM SCHEDULE TOWERS A AND B					DATE		1/22/68	
BEAM NO.	SIZE	TYPE	FY	SHAPE	PLATE 1		PLATE 2		DIMENSIONS		SUPPORTS		STUDS		REMARKS
					WIDTH	THICK	WIDTH	THICK	LENGTH	DIM. A	LEFT	RIGHT	NO.	SIZE	
1334	-	100	36	16WF40	-	-	-	-	-	-	276A	368B	41	3/4X3	
1335	-	100	36	16WF40	-	-	-	-	-	-	111A	106D	15	3/4X3	
1336	-	100	36	14B22	-	-	-	-	-	-	26.5K	26.5K	10	3/4X3B	
1337	-	449	36	16B31	-	-	-	-	-	-	307D	26.5K	28	3/4X3B	
1338	-	100	36	12B16.5	-	-	-	-	-	-	26.5K	26.5K	-	-	
1339	-	449	36	16WF40	-	-	-	-	-	-	111A	106D	15	3/4X3	
1340	-	100	36	16WF36	-	-	-	-	-	-	306C	208H	15	3/4X3	
1341	-	100	36	16WF40	-	-	-	-	-	-	276A	208H	39	3/4X3D	
1342	-	100	36	16WF36	-	-	-	-	-	-	26.5K	208H	10	3/4X4-1/2B	
1343	-	100	36	16WF45	-	-	-	-	-	-	106D	106D	39	3/4X3	
1344	-	100	36	12WF27	-	-	-	-	-	-	283G	111H	19	3/4X4-1/2	
1345	-	100	36	12B16.5	-	-	-	-	-	-	105L	26.5K	15	3/4X4-1/2C	
1346	-	100	36	16B31	-	-	-	-	-	-	26.5K	26.5K	29	3/4X3	
1347	16X7 WF	400	36	16WF36	6	3/4	-	-	23FT 6	1FT 6	208H	220I	47	3/4X3	
1348	-	404	36	16WF64	-	-	-	-	-	-	208H	338D	26	3/4X3	
1349	16X4 BU	300	36	-	4	3/4	14-1/2	1/4	-	-	105M	208H	-	-	
1350	-	100	36	16WF36	-	-	-	-	-	-	26.5K	208H	10	3/4X3B	
1351	30X9 BX	251	36	-	9	1	28	3/8	-	-	347A	347A	-	-	
1352	25X6 BU	300	36	-	6	1	23	1/2	-	-	105E	278A	-	-	
1353	-	100	36	18WF45	-	-	-	-	-	-	26.5K	26.5K	-	-	
1354	25X7 BU	300	36	-	7	1- 1/2	22	3/4	-	-	174B	479A	-	-	
1355	-	100	36	16WF40	-	-	-	-	-	-	401A	404A	-	-	
1356	25X6 BU	300	36	-	6	1- 1/2	22	5/8	-	-	105E	35.3K	-	-	
1357	-	100	36	18WF45	-	-	-	-	-	-	456D	26.5K	-	-	
1358	-	100	36	12WF45	-	-	-	-	-	-	306B	368D	12	3/4X3	
1359	30X9 BX	251	36	-	9	1	28	3/8	-	-	347A	347A	-	-	
1360	38X7 BU	301	36	-	7	1- 3/4	34-1/2	3/4	-	-	352B	220J	-	-	2
1361	25X7 BU	300	36	-	7	1- 1/2	22	3/4	-	-	278A	338E	-	-	
1362	25X7 BU	300	36	-	7	1- 1/2	22	3/4	-	-	205G	220J	-	-	3
1363	-	100	36	12B16.5	-	-	-	-	-	-	26.5K	26.5K	-	-	
1364	-	100	36	14B22	-	-	-	-	-	-	105F	26.5K	8	3/4X3C	
1365	-	100	36	16WF58	-	-	-	-	-	-	26.5K	352B	10	3/4X4-1/2B	
1366	-	100	36	14B22	-	-	-	-	-	-	105D	105F	10	3/4X3	

REMARKS

- 1 DETAIL 406 LEFT END OF BEAM
- 2 REINF. PLATES 5FT -2 X 1/2
- 3 DETAIL 404 LEFT END OF BEAM



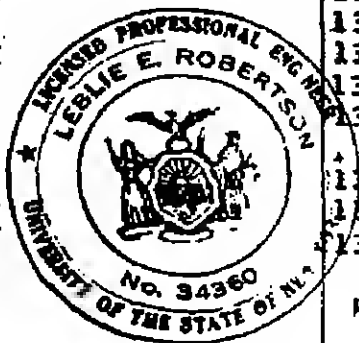
SKILLING-HELLE-CHRISTIANSEN-ROBERTSON

Civil & Structural Engineers

PROJECT		THE WORLD TRADE CENTER				TITLE		BEAM SCHEDULE TOWERS A AND B				DATE		1/22/68	
BEAM NO.	SIZE	TYPE	FY	SHAPE	PLATE 1		PLATE 2		DIMENSIONS		SUPPORTS		STUDS		REMARKS
					WIDTH	THICK	WIDTH	THICK	LENGTH	DIM. A	LEFT	RIGHT	NO.	SIZE	
1367	-	100	36	16WF45	-	-	-	-	-	-	106D	106D	(39)	3/4X3	
1368	-	100	36	12B16.5	-	-	-	-	-	-	26.5K	26.5K	-	-	
1369	-	100	36	12B16.5	-	-	-	-	-	-	26.5K	26.5K	-	-	
1370	-	100	36	16B26	-	-	-	-	-	-	105F	26.5K	24	3/4X3	
1371	-	100	36	16WF40	-	-	-	-	-	-	335C	205F	-	-	
1372	-	100	36	16WF40	-	-	-	-	-	-	402A	402A	-	-	
1373	-	100	36	16WF40	-	-	-	-	-	-	205F	220I	24	3/4X3	
1374	-	100	36	21WF68	-	-	-	-	-	-	106G	111J	(39)	3/4X3B	
1375	-	100	36	21WF55	-	-	-	-	-	-	106G	111J	(39)	3/4X3B	
1376	-	100	36	10CH25	-	-	-	-	-	-	249B	249B	-	-	
1377	25X6 BU	300	36	-	6	1	23	1/2	-	-	201G	201G	-	-	
1378	-	100	36	18WF45	-	-	-	-	-	-	26.5K	26.5K	-	-	
1379	25X7 BU	300	36	-	7	1- 1/2	22	3/4	-	-	35.3K	35.3K	-	-	
1380	25X6 BU	300	36	-	6	1	23	1/2	-	-	105E	105E	-	-	
1381	25X6 BU	300	36	-	6	1- 1/2	22	5/8	-	-	201G	170D	-	-	
1382	-	100	36	12WF45	-	-	-	-	-	-	111M	26.5K	(30)	3/4X3	
1383	-	100	50	12WF50	-	-	-	-	-	-	313F	236A	-	-	
1384	25X6 BU	300	36	-	6	1- 1/2	22	5/8	-	-	201G	44.2K	-	-	
1385	25X7 BU	305	36	-	7	1	23	1/2	-	-	335D	205G	-	-	
1386	25X7 BU	300	36	-	7	1- 1/2	22	3/4	-	-	35.3K	35.3K	-	-	
1387	38X7 BU	301	36	-	7	1- 1/2	35	3/4	-	-	284A	172B	-	-	
1388	25X7 BU	300	36	-	7	1	23	1/2	-	-	403A	403A	-	-	
1389	-	100	50	12CH45.0	-	-	-	-	-	-	426A	429A	-	-	
1390	-	100	36	16B31	-	-	-	-	-	-	26.5K	26.5K	33	3/4X3	
1391	-	100	36	16WF40	-	-	-	-	-	-	220I	208H	39	3/4X3B	
1392	16X7 WF	400	36	16WF36	6	3/4	-	-	FULL LENGTH		276A	26.5K	39	3/4X3D	
1393	-	100	36	16WF36	-	-	-	-	-	-	26.5K	105K	39	3/4X3	
1394	-	100	36	8B13	-	-	-	-	-	-	17.4K	17.4K	-	-	
1395	-	100	36	16WF36	-	-	-	-	-	-	170B	287G	(15)	3/4X3B	
1396	-	100	36	16WF45	-	-	-	-	-	-	303B	395C	-	-	
1397	-	100	36	10B15	-	-	-	-	-	-	17.4K	17.4K	-	-	
1398	30X9 BX	251	36	-	9	1	28	3/8	-	-	347A	347A	-	-	
1399	25X7 BU	300	36	-	7	1	23	1/2	-	-	205G	220	-	-	

REMARKS

1 REINF. PLATES 5FT-10 X 5/8



SKILLING-HELLE-CHRISTIANSEN-ROBERTSON

Civil & Structural Engineers

PROJECT					TITLE						DATE				
THE WORLD TRADE CENTER					BEAM SCHEDULE TOWERS A AND B						1/22/68				
BEAM NO.	SIZE	TYPE	FY	SHAPE	PLATE 1		PLATE 2		DIMENSIONS		SUPPORTS		STUDS		REMARKS
					WIDTH	THICK	WIDTH	THICK	LENGTH	DIM. A	LEFT	RIGHT	NU.	SIZE	
1400	-	100	36	16WF50	-	-	-	-	-	-	26.5K	1058	10	3/4X3B	
1401	-	100	36	16WF45	-	-	-	-	-	-	106D	106D	39	3/4X3	
1402	-	100	36	16WF45	-	-	-	-	-	-	106D	106D	39	3/4X3	
1403	-	100	36	16WF36	-	-	-	-	-	-	208H	276A	8	3/4X3	
1404	-	100	36	16WF40	-	-	-	-	-	-	106E	106D	39	3/4X3	
1405	-	100	36	16WF40	-	-	-	-	-	-	106F	1111	39	3/4X3	
1406	-	100	36	8B13	-	-	-	-	-	-	17.4K	17.4K	11	3/4X3	
1407	-	100	36	8B13	-	-	-	-	-	-	17.4K	17.4K	9	3/4X3	
1408	-	100	36	14B22	-	-	-	-	-	-	201F	201F	16	3/4X3	
1409	-	100	50	16WF50	-	-	-	-	-	-	106E	106D	12	3/4X3C	
1410	-	100	36	16WF40	-	-	-	-	-	-	335C	205F	-	-	1
1411	-	100	36	16WF40	-	-	-	-	-	-	402A	402A	-	-	
1412	-	100	36	16WF40	-	-	-	-	-	-	205F	220M	-	-	
1413	-	100	36	16WF40	-	-	-	-	-	-	106E	106D	39	3/4X3	
1414	-	100	36	16WF45	-	-	-	-	-	-	220I	292A	39	3/4X3	
1415	-	100	36	16WF36	-	-	-	-	-	-	26.5K	374	39	3/4X3	
1416	-	100	36	16WF45	-	-	-	-	-	-	106D	111L	40	3/4X3	
1417	-	100	36	16WF45	-	-	-	-	-	-	310B	395C	-	-	
1418	-	100	36	16WF40	-	-	-	-	-	-	276A	26.5K	39	3/4X3	
1419	-	100	36	16WF45	-	-	-	-	-	-	106D	106D	39	3/4X3	
1420	-	100	36	16WF40	-	-	-	-	-	-	111A	106D	39	3/4X3	
1421	-	100	36	14WF38	-	-	-	-	-	-	26.5K	276A	20	3/4X3	
1422	-	100	36	16WF58	-	-	-	-	-	-	26.5K	26.5K	-	-	
1423	-	100	36	16WF58	-	-	-	-	-	-	456D	26.5K	-	-	
1424	25X6 BU	300	36	-	6	1	23	1/2	-	-	105E	278A	-	-	
1425	30X9 BX	251	36	-	9	1	28	3/8	-	-	347A	347A	-	-	
1426	-	100	36	16WF58	-	-	-	-	-	-	26.5K	26.5K	-	-	
1427	25X7 BU	300	36	-	7	1- 1/2	22	3/4	-	-	479A	174B	-	-	
1428	25X6 BU	300	36	-	6	1- 1/2	22	5/8	-	-	105E	44.2K	-	-	
1429	38X7 BU	301	36	-	7	1- 3/4	34-1/2	3/4	-	-	220I	270A	-	-	2
1430	25X7 BU	300	36	-	7	1- 1/2	22	3/4	-	-	338E	278A	-	-	
1431	-	100	36	14B22	-	-	-	-	-	-	26.5K	26.5K	-	-	
1432	16X5-1/2BX	200	36	-	4	3/8	16	3/4	-	-	294D	247G	-	-	
1433	-	100	36	16WF50	-	-	-	-	-	-	1111	106F	40	3/4X3	

REMARKS

- 1 DETAIL 405 LEFT END OF BEAM
- 2 REINF. PLATES 6FT-0 X 3/4



SKILLING-HELLE-CHRISTIANSEN-ROBERTSON

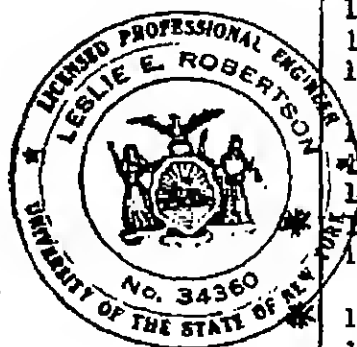
Civil & Structural Engineers

PROJECT					TITLE						DATE				
THE WORLD TRADE CENTER					BEAM SCHEDULE TOWERS A AND B						1/24/68				
BEAM NO.	SIZE	TYPE	FY	SHAPE	PLATE 1		PLATE 2		DIMENSIONS		SUPPORTS		STUDS		REMARKS
					WIDTH	THICK	WIDTH	THICK	LENGTH	DIM. A	LEFT	RIGHT	NO.	SIZE	
1434	-	100	36	16WF45	-	-	-	-	-	-	1111	106F	40	3/4X3	
1435	-	100	36	12WF27	-	-	-	-	-	-	26.5K	26.5K	19	3/4X3	
1436	-	100	36	8B13	-	-	-	-	-	-	17.4K	17.4K	-	-	
1437	-	100	36	16WF40	-	-	-	-	-	-	401A	401A	-	-	
1438	-	100	36	16WF40	-	-	-	-	-	-	220M	205F	-	-	
1439	-	100	36	16WF40	-	-	-	-	-	-	1111	106F	54	3/4X3	X
1440	-	100	36	16WF40	-	-	-	-	-	-	1111	106F	54	3/4X3	
1441	-	100	36	14WF48	-	-	-	-	-	-	26.5K	105K	12	3/4X4-1/2	
1442	-	100	50	16WF45	-	-	-	-	-	-	106D	111L	30	3/4X3	
1443	-	100	36	16B26	-	-	-	-	-	-	26.5K	294D	-	-	
1444	-	100	36	12WF27	-	-	-	-	-	-	26.5K	26.5K	19	3/4X4-1/2	
1445	-	100	36	16WF40	-	-	-	-	-	-	205F	335C	-	-	
1446	25X7 BU	300	36	-	?	1- 1/2	22	3/4	-	-	220M	205G	-	-	
1447	-	100	36	16WF40	-	-	-	-	-	-	404A	401A	-	-	
1448	-	100	36	16WF40	-	-	-	-	-	-	205F	335C	-	-	
1449	18X4 CH	516	50	18CH42.7	-	-	-	-	-	-	249B	246A	-	-	
1450	-	100	36	12B19	-	-	-	-	-	-	105F	26.5K	21	3/4X3	
1451	-	100	36	16B26	-	-	-	-	-	-	105D	105F	8	3/4X3	
1452	-	100	50	16WF45	-	-	-	-	-	-	106D	111L	30	3/4X3	
1453	-	100	36	8B13	-	-	-	-	-	-	17.4K	17.4K	-	-	
1454	-	100	50	12B16.5	-	-	-	-	-	-	26.5K	26.5K	-	-	
1455	-	100	36	12WF27	-	-	-	-	-	-	26.5K	26.5K	19	3/4X4-1/2	
1456	-	100	36	16WF45	-	-	-	-	-	-	106D	106D	28	3/4X3	
1457	-	100	50	16B31	-	-	-	-	-	-	402A	173B	-	-	
1458	-	100	36	6CH8.2	-	-	-	-	-	-	504	504	-	-	
1459	-	100	36	6CH8.2	-	-	-	-	-	-	504	504	-	-	
1460	-	100	36	6B12	-	-	-	-	-	-	504	504	-	-	
1461	-	100	36	15CH33.9	-	-	-	-	-	-	315	315	-	-	
1462	-	100	36	15CH33.9	-	-	-	-	-	-	26.5K	26.5K	-	-	
1463	15X3-3/8CH	505	36	15CH33.9	2-3/8	1- 1/4	-	-	-	-	315	232	-	-	
1464	-	100	36	16WF36	-	-	-	-	-	-	26.5K	26.5K	-	-	
1465	-	100	50	14WF34	-	-	-	-	-	-	106D	106D	47	3/4X3	
1466	-	100	36	16B31	-	-	-	-	-	-	2200	254C	-	-	

REMARKS

- 1 DETAIL 404 RIGHT END OF BEAM
- 2 DETAIL 405 RIGHT END OF BEAM

* HOLD



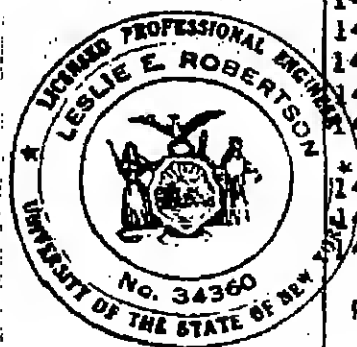
SKILLING-HELLE-CHRISTIANSEN-ROBERTSON

Civil & Structural Engineers

PROJECT		THE WORLD TRADE CENTER			TITLE		BEAM SCHEDULE TOWERS A AND B					DATE		1/22/68	
BEAM NO.	SIZE	TYPE	FY	SHAPE	PLATE 1		PLATE 2		DIMENSIONS		SUPPORTS		STUDS		REMARKS
					WIDTH	THICK	WIDTH	THICK	LENGTH	DIM. A	LEFT	RIGHT	NO.	SIZE	
1467	-	100	36	16B31	-	-	-	-	-	-	254C	254C	-	-	
1468	-	100	36	16B31	-	-	-	-	-	-	254C	335G	-	-	2
1469	-	100	36	16B31	-	-	-	-	-	-	335G	254C	-	-	
1470	-	100	36	16B31	-	-	-	-	-	-	254C	254C	-	-	
1471	-	100	36	16B31	-	-	-	-	-	-	254C	220D	-	-	
1472	-	100	36	16B31	-	-	-	-	-	-	220D	254B	-	-	X
1473	-	100	36	16B31	-	-	-	-	-	-	254B	254B	-	-	
1474	-	100	36	16B31	-	-	-	-	-	-	254B	254B	-	-	2
1475	-	100	50	16B31	-	-	-	-	-	-	335H	254B	-	-	
1476	-	100	36	16B31	-	-	-	-	-	-	254B	254B	-	-	
1477	-	100	36	16B31	-	-	-	-	-	-	254B	220D	-	-	
1478	-	100	36	16WF40	-	-	-	-	-	-	402A	402A	-	-	
1479	-	100	36	16WF40	-	-	-	-	-	-	205F	220I	-	-	
1480	16X4 8X	200	36		2- 1/2	3/8	16	3/4	-	-	477A	477A	-	-	
1481	16X4 8X	200	36		2- 1/2	3/8	16	3/4	-	-	257A	258B	-	-	
1482	-	404	50	16WF50	-	-	-	-	-	-	274B	282A	26	3/4X3	
1483	-	404	50	16WF50	-	-	-	-	-	-	26.5K	274B	26	3/4X3	
1484	-	404	50	16WF50	-	-	-	-	-	-	274B	338D	26	3/4X3	
1485	-	100	36	16WF50	-	-	-	-	-	-	208H	287G	39	3/4X3D	
1486	-	100	36	16WF50	-	-	-	-	-	-	208H	208H	39	3/4X3D	
1487	-	100	50	16WF50	-	-	-	-	-	-	208H	220I	39	3/4X3D	
1488	-	100	36	16WF36	-	-	-	-	-	-	307C	208H	18	3/4X3	
1489	-	100	36	12WF27	-	-	-	-	-	-	335C	26.5K	18	3/4X3	
1490	-	100	36	12WF27	-	-	-	-	-	-	310B	26.5K	15	3/4X3	
1491	-	100	50	15CH40.0	-	-	-	-	-	-	315A	232A	-	-	
1492	-	100	36	12B16.5	-	-	-	-	-	-	26.5K	26.5K	-	-	
1493	-	100	36	14B22	-	-	-	-	-	-	26.5K	475B	24	3/4X3	
1494	-	100	36	8B13	-	-	-	-	-	-	17.4K	17.4K	11	3/4X3	
1495	16X4 8X	200	36	-	2-1/2	3/8	16	3/4	-	-	372A	282A	-	-	
1496	16X5-1/28X	206	36	-	4	3/8	16	3/4	-	-	465A	450	-	-	
1497	-	100	36	16WF45	-	-	-	-	-	-	106D	106D	39	3/4X3	
1498	-	100	36	16WF40	-	-	-	-	-	-	335C	205F	-	-	1
1499	-	100	36	16WF40	-	-	-	-	-	-	402A	402A	-	-	

REMARKS

- 1 DETAIL 405 LEFT END OF BEAM
2 DETAIL 406 RIGHT END OF BEAM



SKILLING, HELLE, CHRISTIANSEN, ROBERTSON

Structural & Civil Engineers

PROJECT

THE WORLD TRADE CENTER

TITLE

BEAM SCHEDULE TOWERS A AND B

DATE

11/22/68

REVISIONS

BEAM NO.	SIZE	TYPE	FY	SHAPE	PLATE 1		PLATE 2		DIMENSIONS		SUPPORTS		STUDS		REMARKS
					WIDTH	THICK	WIDTH	THICK	LENGTH	DIM. A	LEFT	RIGHT	NO.	SIZE	
1500	-	100	36	16WF40	-	-	-	-	-	-	205F	220I	-	-	
1501	-	100	36	12B16.5	-	-	-	-	-	-	26.5K	26.5K	8	3/4X3	
1502	-	100	36	16WF36	-	-	-	-	-	-	26.5K	208H	15	3/4X4-1/2B	
1503	-	100	36	16WF36	-	-	-	-	-	-	170B	287G	15	3/4X3B	
1504	-	100	36	16WF45	-	-	-	-	-	-	106D	111L	15	3/4X3C	
1505	-	100	36	16WF45	-	-	-	-	-	-	303B	395B	-	-	
1506	-	100	36	12WF27	-	-	-	-	-	-	283G	105L	19	3/4X4-1/2	
1507	-	100	36	16WF36	-	-	-	-	-	-	208H	284A	8	3/4X3	
1508	-	100	36	14B22	-	-	-	-	-	-	105D	105F	16	3/4X4-1/2	
1509	-	100	36	16B31	-	-	-	-	-	-	220D	294D	-	-	
1510	-	100	36	16B31	-	-	-	-	-	-	463C	463C	-	-	
1511	-	100	36	16B31	-	-	-	-	-	-	294D	294D	-	-	
1512	-	100	36	16B31	-	-	-	-	-	-	294D	463C	-	-	
1513	-	100	36	16B31	-	-	-	-	-	-	463C	294D	-	-	
1514	-	100	36	16B26	-	-	-	-	-	-	370C	301C	16	3/4X3	
1515	-	100	36	16B26	-	-	-	-	-	-	111P	111P	16	3/4X3	
1516	-	100	36	16B31	-	-	-	-	-	-	294D	294D	-	-	
1517	-	100	36	16B31	-	-	-	-	-	-	294D	220D	-	-	
1518	-	100	36	16B26	-	-	-	-	-	-	235C	370J	15	3/4X3	
1519	-	100	36	16B31	-	-	-	-	-	-	220L	294D	-	-	
1520	-	100	36	16B31	-	-	-	-	-	-	294D	220L	-	-	
1521	-	100	36	16B26	-	-	-	-	-	-	235C	370J	15	3/4X3	
1522	-	100	36	12WF45	-	-	-	-	-	-	26.5K	368B	10	3/4X4-1/2B	
1523	-	100	36	12WF27	-	-	-	-	-	-	283G	105L	15	3/4X4-1/2	
1524	-	100	36	16WF40	-	-	-	-	-	-	208H	287G	39	3/4X3D	
1525	-	100	36	18WF45	-	-	-	-	-	-	456D	26.5K	-	-	
1526	-	404	36	16WF45	-	-	-	-	-	-	274B	282A	26	3/4X3	
1527	-	100	36	8B13	-	-	-	-	-	-	105H	105H	-	-	
1528	-	100	36	18WF45	-	-	-	-	-	-	26.5K	456A	-	-	
1529	-	100	36	16WF40	-	-	-	-	-	-	220F	205F	-	-	
1530	-	100	36	16WF40	-	-	-	-	-	-	401A	401A	-	-	
1531	-	100	36	16WF40	-	-	-	-	-	-	205F	335C	-	-	1
1532	-	100	36	16WF40	-	-	-	-	-	-	335C	205F	-	-	2
1533	-	100	36	16WF40	-	-	-	-	-	-	401A	205F	-	-	

REMARKS

- 1 DETAIL 405 RIGHT END OF BEAM
- 2 DETAIL 405 LEFT END OF BEAM



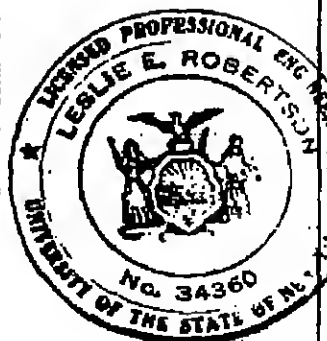
SKILLING-HELLE-CHRISTIANSEN-ROBERTSON

Civil & Structural Engineers

PROJECT		THE WORLD TRADE CENTER			TITLE		BEAM SCHEDULE TOWERS A AND B				DATE		1/22/68	
BEAM NO.	SIZE	TYPE	FY	SHAPE	PLATE 1		PLATE 2		DIMENSIONS		SUPPORTS		STUDS	
					WIDTH	THICK	WIDTH	THICK	LENGTH	DIM. A	LEFT	RIGHT	NO.	SIZE
1534	-	411	36	16WF40	-	-	-	-	-	-	407A	220K	-	-
1535	-	404	36	16WF50	-	-	-	-	-	-	338D	274B	26	3/4X3
1536	-	404	36	16WF50	-	-	-	-	-	-	274B	282A	26	3/4X3
1537	-	404	36	16WF50	-	-	-	-	-	-	26.5K	274B	26	3/4X3
1538	-	404	36	16WF50	-	-	-	-	-	-	274B	338D	26	3/4X3
1539	-	100	36	14WF53	-	-	-	-	-	-	220I	368B	39	3/4X3D
1540	-	100	36	14WF53	-	-	-	-	-	-	368B	211A	39	3/4X3D
1541	-	100	36	14WF53	-	-	-	-	-	-	368B	368B	39	3/4X3D
1542	-	100	36	14WF53	-	-	-	-	-	-	368B	220I	39	3/4X3D
1543	16X4 BX	200	36	-	2-1/2	3/8	16	3/4	-	-	296C	274B	-	-
1544	-	100	36	16WF45	-	-	-	-	-	-	106F	106D	39	3/4X3
1545	-	100	36	16WF40	-	-	-	-	-	-	220L	205F	-	-
1546	-	100	36	12B16.5	-	-	-	-	-	-	26.5K	26.5K	-	-
1547	-	100	36	14B22	-	-	-	-	-	-	201F	26.5K	19	3/4X3
1548	-	449	36	16B31	-	-	-	-	-	-	463C	26.5K	-	-
1549	-	100	36	12B19	-	-	-	-	-	-	26.5K	26.5K	36	5/8X2
1550	-	100	36	8B13	-	-	-	-	-	-	17.4K	17.4K	16	5/8X2
1551	-	100	50	16B26	-	-	-	-	-	-	105D	105F	40	3/4X4-1/2
1552	-	100	36	12B19	-	-	-	-	-	-	105F	26.5K	15	3/4X3
1553	-	100	36	14B22	-	-	-	-	-	-	201F	201F	12	3/4X3
1554	-	100	36	14B22	-	-	-	-	-	-	201F	26.5K	19	3/4X3
1555	-	100	50	12B19	-	-	-	-	-	-	26.5K	26.5K	30	3/4X3
1556	-	100	36	8B13	-	-	-	-	-	-	105H	105H	12	3/4X3
1557	-	100	36	16WF40	-	-	-	-	-	-	106D	111I	56	3/4X3
1558	-	100	36	16WF40	-	-	-	-	-	-	220M	205F	-	-
1559	-	100	36	16WF40	-	-	-	-	-	-	401A	401A	-	-
1560	-	100	36	16WF40	-	-	-	-	-	-	205F	335C	-	-
1561	-	100	36	16WF40	-	-	-	-	-	-	335C	307D	-	-
1562	-	100	36	16WF40	-	-	-	-	-	-	401A	401A	-	-
1563	-	100	36	16WF40	-	-	-	-	-	-	205F	220M	-	-
1564	-	100	36	16B31	-	-	-	-	-	-	294D	463C	-	-
1565	-	100	50	14B22	-	-	-	-	-	-	26.5K	26.5K	15	3/4X3B
1566	-	100	36	8B13	-	-	-	-	-	-	17.4K	17.4K	-	-

REMARKS

- 1 DETAIL 405 RIGHT END OF BEAM
2 DETAIL 405 LEFT END OF BEAM



SKILLING-HELLE-CHRISTIANSEN-ROBERTSON

Civil & Structural Engineers

PROJECT		THE WORLD TRADE CENTER				TITLE		BEAM SCHEDULE TOWERS A AND B				DATE		1/22/68	
BEAM NO.	SIZE	TYPE	FY	SHAPE	PLATE 1		PLATE 2		DIMENSIONS		SUPPORTS		STUDS		REMARKS
					WIDTH	THICK	WIDTH	THICK	LENGTH	DIM. A	LEFT	RIGHT	NO.	SIZE	
1567	-	100	50	16WF45	-	-	-	-	-	-	106D	106D	(42)	3/4X3	
1568	-	100	36	12WF27	-	-	-	-	-	-		26.5K	19	3/4X4-1/2	
1569	-	404	36	16WF45	-	-	-	-	-	-	26.5K	282A	(26)	3/4X3	
1570	-	449	36	16B31	-	-	-	-	-	-	463C	26.5K	-	-	
1571	-	100	50	12B19	-	-	-	-	-	-	283R	111K	30	3/4X3	
1572	-	449	50	16WF4	-	-	-	-	-	-	111A	106D	(28)	3/4X3	
1573	-	100	36	12B16.5	-	-	-	-	-	-	26.5K	26.5K	-	-	
1574	-	100	36	16WF36	-	-	-	-	-	-	306C	208H	(12)	3/4X3	
1575	-	100	36	16B31	-	-	-	-	-	-	294D	463C	-	-	
1576	-	100	36	16B26	-	-	-	-	-	-	111P	111P	(15)	3/4X3	
1577	-	100	36	12B16.5	-	-	-	-	-	-	26.5K	26.5K	15	3/4X3	
1578	-	100	36	12B16.5	-	-	-	-	-	-	303C	26.5K	(10)	3/4X3	
1579	-	100	36	14B22	-	-	-	-	-	-	301C	26.5K	(12)	3/4X3	
1580	-	100	36	16WF36	-	-	-	-	-	-	287G	208H	39	3/4X3	
1581	-	100	50	16WF36	-	-	-	-	-	-	26.5K	276A	(30)	3/4X3	
1582	-	100	50	16WF36	-	-	-	-	-	-	170B	287G	(15)	3/4X3B	
1583	-	100	50	12B16.5	-	-	-	-	-	-	26.5K	26.5K	18	3/4X3	
1584	-	100	36	12B16.5	-	-	-	-	-	-	26.5K	26.5K	8	3/4X3	
1585	-	100	36	16WF40	-	-	-	-	-	-	26.5K	287G	(39)	3/4X3J	
1586	-	100	36	14WF48	-	-	-	-	-	-	26.5K	105K	56	3/4X3	
1587	-	100	36	12WF27	-	-	-	-	-	-	26.5K	26.5K	19	3/4X4-1/2	
1588	-	100	36	12B19	-	-	-	-	-	-	335I	235C	15	3/4X3	
1589	-	100	50	16WF45	-	-	-	-	-	-	106D	111L	(40)	3/4X3	
1590	-	100	50	16B31	-	-	-	-	-	-	364E	335B	(30)	3/4X3	
1591	-	100	36	16WF45	-	-	-	-	-	-	303C	395C	(10)	3/4X3	
1592	-	100	36	16B26	-	-	-	-	-	-	26.5K	294D	-	-	
1593	-	100	36	12B16.5	-	-	-	-	-	-	26.5K	26.5K	15	3/4X3	
1594	-	100	36	12B16.5	-	-	-	-	-	-	26.5K	26.5K	-	-	
1595	16X5-1/2BX	204	36	-	4	3/8	16	3/4	-	-	206A	294D	-	-	
1596	16X5-1/2BX	201	36	-	4	3/8	16	3/4	-	-	294D	247G	-	-	
1597	-	100	36	16WF45	-	-	-	-	-	-	276A	26.5K	(52)	3/4X3	
1598	-	100	36	16B31	-	-	-	-	-	-	26.5K	26.5K	24	3/4X3	
1599	-	100	36	12WF27	-	-	-	-	-	-	283G	105L	(19)	3/4X4-1/2	

REMARKS

1 DETAIL 405 RIGHT END OF BEAM



SKILLING-HELLE-CHRISTIANSEN-ROBERTSON

Civil & Structural Engineers

PROJECT		THE WORLD TRADE CENTER			TITLE		BEAM SCHEDULE TOWERS A AND B						DATE		1/22/68	
BEAM NO.	SIZE	TYPE	FY	SHAPE	PLATE 1		PLATE 2		DIMENSIONS		SUPPORTS		STUDS		REMARKS	
					WIDTH	THICK	WIDTH	THICK	LENGTH	DIM. A	LEFT	RIGHT	NO.	SIZE		
1600	18X4 CH	509	50	18CH58.0	-	-	-	-	-	-	232C	246C	-	-		
1601	-	100	36	18CH42.7	-	-	-	-	-	-	410A	411A	-	-		
1602	18X4 CH	100	36	18CH45.8	-	-	-	-	-	-	246C	249C	-	-		
1603	-	100	36	10CH25	-	-	-	-	-	-	249C	249C	-	-		
1604	18X4 CH	508	50	18CH42.7	2-7/8	1- 1/4	-	-	24FT 0	1FT 0	249C	246C	-	-		
1605	-	100	36	18CH42.7	-	-	-	-	-	-	412A	410A	-	-		
1606	-	100	50	18CH58.0	-	-	-	-	-	-	246C	232C	-	-		
1607	18X4 CH	500	36	18CH51.9	-	-	-	-	-	-	227	245	-	-		
1608	12X4 CH	505	36	12CH40	-	-	-	-	-	-	26.5K	26.5K	-	-		
1609	-	100	36	15CH50	-	-	-	-	-	-	245	245	-	-		
1610	15X3-3/8CH	503	36	15CH50	-	-	-	-	-	-	245	245	-	-		
1611	12X4 CH	505	36	12CH40	-	-	-	-	-	-	26.5K	26.5K	-	-		
1612	18X4 CH	500	36	18CH51.9	-	-	-	-	-	-	245	227	-	-		
1613	12X3 CH	505	36	12CH50	2-7/8	1- 1/4	-	-	-	-	227	311	-	-		
1614	-	100	36	16WF36	-	-	-	-	-	-	287G	368B	39	3/4X3		
1615	-	404	36	16WF45	-	-	-	-	-	-	26.5K	475A	26	3/4X3		
1616	-	100	36	14B22	-	-	-	-	-	-	26.5K	26.5K	22	3/4X3		
1617	15X3-3/8CH	505	36	15CH33.9	2-3/8	1- 1/4	-	-	-	-	315	232	-	-		
1618	-	100	50	12CH45.0	-	-	-	-	-	-	427A	426A	-	-		
1619	-	100	36	16WF36	-	-	-	-	-	-	287G	208H	39	3/4X3		
1620	-	100	36	15CH33.9	-	-	-	-	-	-	315	315	-	-		
1621	-	100	36	15CH40	-	-	-	-	-	-	26.5K	26.5K	-	-		
1622	15X3-3/8CH	505	36	15CH40	2-3/8	1- 1/4	-	-	-	-	315	232	-	-		
1623	-	100	50	16WF40	-	-	-	-	-	-	335C	205F	-	-		
1624	-	100	36	16WF40	-	-	-	-	-	-	401A	401A	-	-		
1625	-	100	36	16WF40	-	-	-	-	-	-	205F	220I	33	3/4X3		
1626	-	404	36	16WF45	-	-	-	-	-	-	278	282	56	3/4X3		
1627	-	100	36	12B16.5	-	-	-	-	-	-	466	466	16	3/4X3		
1628	-	100	36	16B26	-	-	-	-	-	-	111Q	283S	14	3/4X3		
1629	-	100	36	16B26	-	-	-	-	-	-	111Q	111Q	17	3/4X3		
1630	-	100	36	12B16.5	-	-	-	-	-	-	26.5K	26.5K	15	3/4X3		
1631	-	100	36	12B16.5	-	-	-	-	-	-	466	466	16	3/4X3		
1632	-	100	36	14B22	-	-	-	-	-	-	105F	26.5K	8	3/4X3		
1633	-	100	36	16WF36	-	-	-	-	-	-	26.5K	276A	30	3/4X3		



SKILLING-HELLE-CHRISTIANSEN-ROBERTSON

Civil & Structural Engineers

PROJECT

THE WORLD TRADE CENTER

TITLE

BEAM SCHEDULE TOWERS A AND B

DATE

1/22/68

REVISIONS

BEAM NO.	SIZE	TYPE	FY	SHAPE	PLATE 1		PLATE 2		DIMENSIONS		SUPPORTS		STUDS		REMARKS
					WIDTH	THICK	WIDTH	THICK	LENGTH	DIM. A	LEFT	RIGHT	NO.	SIZE	
1634	-	100	36	16831	-	-	-	-	-	-	220D	364E	-	-	
1635	-	100	36	16831	-	-	-	-	-	-	364E	364E	-	-	
1636	-	100	50	16831	-	-	-	-	-	-	3070	364E	-	-	3
1637	-	100	36	16831	-	-	-	-	-	-	364E	364E	-	-	
1638	-	100	36	16831	-	-	-	-	-	-	364E	220D	-	-	
1639	-	100	36	16WF40	-	-	-	-	-	-	316A	251D	39	3/4X3	X
1640	-	100	36	16WF40	-	-	-	-	-	-	402A	402A	39	3/4X3	
1641	-	100	36	16WF40	-	-	-	-	-	-	205F	335C	39	3/4X3	2
1642	-	100	36	16WF40	-	-	-	-	-	-	307C	308A	39	3/4X3	3
1643	-	100	36	16WF40	-	-	-	-	-	-	402A	402A	39	3/4X3	
1644	-	100	36	16WF40	-	-	-	-	-	-	251D	316A	39	3/4X3	
1645	-	100	36	8813	-	-	-	-	-	-	17.4K	17.4K	-	-	
1646	-	100	36	16WF36	-	-	-	-	-	-	105K	26.5K	20	3/4X3	
1647	-	100	50	14822	-	-	-	-	-	-	26.5K	26.5K	34	3/4X3	
1648	-	100	36	8813	-	-	-	-	-	-	17.4K	17.4K	-	-	
1649	-	100	36	16WF40	-	-	-	-	-	-	270A	287G	44	3/4X3	1
1650	-	100	36	16826	-	-	-	-	-	-	26.5K	26.5K	33	3/4X3	
1651	-	100	36	10815	-	-	-	-	-	-	17.4K	17.4K	-	-	
1652	-	100	36	14WF38	-	-	-	-	-	-	106E	106E	39	3/4X3	
1653	18X4 CH	507	50	18CH51.9	-	-	-	-	-	-	229A	245B	-	-	1
1654	12X4 CH	505	50	12CH50.0	2-7/8	3/4	-	-	12FT 3	1FT 0	440A	441B	-	-	
1655	15X3-3/8CH	505	50	15CH40.0	2-1/2	1/2	-	-	26FT 1	1FT 0	245C	245D	-	-	4
1656	15X3-3/8CH	503	50	15CH40.0	2-1/2	1/2	-	-	26FT 0	1FT 0	245D	245C	-	-	5
1657	12X4 CH	505	50	12CH50.0	2-7/8	3/4	-	-	12FT 4	1FT 0	441B	440A	-	-	
1658	18X4 CH	500	50	18CH51.9	-	-	-	-	-	-	245B	229A	-	-	
1659	-	100	50	12CH50.0	-	-	-	-	-	-	229A	311A	-	-	
1660	-	100	50	12CH45.0	-	-	-	-	-	-	428A	426A	-	-	
1661	-	100	36	15CH33.9	-	-	-	-	-	-	315A	315D	-	-	
1662	-	100	36	15CH33.9	-	-	-	-	-	-	422A	423A	-	-	
1663	-	100	50	15CH40.0	-	-	-	-	-	-	315A	233A	-	-	
1664	-	100	50	12CH50.0	-	-	-	-	-	-	428A	351C	-	-	
1665	-	100	36	16826	-	-	-	-	-	-	307D	111P	15	3/4X3	
1666	-	100	50	15CH40.0	-	-	-	-	-	-	351A	233A	-	-	

REMARKS

- 1 REINF. PLATES 3FT 9 X 1
- 2 DETAIL 405 RIGHT END OF BEAM
- 3 DETAIL 405 LEFT END OF BEAM
- 4 DETAIL 442A RIGHT END OF BEAM
- 5 DETAIL 442A LEFT END OF BEAM



SKILLING, HELLE, CHRISTIANSEN, ROBERTSON

Structural & Civil Engineers

PROJECT		THE WORLD TRADE CENTER			TITLE		BEAM SCHEDULE TOWERS A AND B				DATE		11/22/68		
BEAM NO.	SIZE	TYPE	FY	SHAPE	PLATE 1		PLATE 2		DIMENSIONS		SUPPORTS		STUDS		REMARKS
					WIDTH	THICK	WIDTH	THICK	LENGTH	DIM. A	LEFT	RIGHT	NO.	SIZE	
1667	-	100	50	12CH50.C	-	-	-	-	-	-	229A	311A	-	-	
1668	-	100	36	12WF27	-	-	-	-	-	-	26.5K	26.5K	-	-	
1669	-	100	36	16B26	-	-	-	-	-	-	26.5K	294D	-	-	
1670	-	507	36	18CH51.9	-	-	-	-	-	-	373A	245B	-	-	
1671	18X4 CH	50C	36	18CH51.9	-	-	-	-	-	-	245B	373A	-	-	
1672	-	100	50	12WF31	-	-	-	-	-	-	105L	26.5K	12	3/4X4-1/2C	X
1673	-	100	36	12B19	-	-	-	-	-	-	26.5K	26.5K	15	3/4X3	
1674	-	100	36	14B22	-	-	-	-	-	-	105D	105F	8	3/4X3	
1675	-	100	36	14B22	-	-	-	-	-	-	26.5K	26.5K	8	3/4X3B	
1676	-	100	36	9CH13.4	-	-	-	-	-	-	366C	501A	-	-	
1677	-	100	36	16WF36	-	-	-	-	-	-	208H	26.5K	8	3/4X3	
1678	-	100	36	14B22	-	-	-	-	-	-	26.5K	26.5K	10	3/4X3B	
1679	-	100	36	12B16.5	-	-	-	-	-	-	26.5K	26.5K	15	3/4X3	
1680	-	100	36	12B19	-	-	-	-	-	-	26.5K	105H	15	3/4X4-1/2B	
1681	-	100	36	16WF45	-	-	-	-	-	-	106D	106D	47	3/4X3	
1682	-	100	36	8B13	-	-	-	-	-	-	105H	105H	9	3/4X4-1/2	
1683	-	100	36	12B19	-	-	-	-	-	-	26.5K	26.5K	15	3/4X3	
1684	-	100	36	12B16.5	-	-	-	-	-	-	105H	26.5K	13	3/4X4-1/2C	
1685	-	100	36	12B16.5	-	-	-	-	-	-	26.5K	105L	-	-	
1686	-	100	36	16WF45	-	-	-	-	-	-	26.5K	284A	30	3/4X3	
1687	-	449	36	16WF40	-	-	-	-	-	-	111A	106D	38	3/4X3	
1688	-	100	50	12B19	-	-	-	-	-	-	26.5K	26.5K	21	3/4X3	
1689	-	100	36	12B16.5	-	-	-	-	-	-	26.5K	26.5K	-	-	
1690	-	100	36	8B13	-	-	-	-	-	-	17.4K	17.4K	11	3/4X3	
1691	-	100	36	8B13	-	-	-	-	-	-	17.4K	17.4K	11	3/4X3	
1692	-	100	36	8B13	-	-	-	-	-	-	17.4K	17.4K	11	3/4X3	
1693	-	100	36	8B13	-	-	-	-	-	-	17.4K	17.4K	11	3/4X3	
1694	-	100	36	14B22	-	-	-	-	-	-	201F	201F	12	3/4X3	
1695	-	100	36	14B22	-	-	-	-	-	-	201F	26.5K	19	3/4X3	
1696	-	100	36	16WF36	-	-	-	-	-	-	26.5K	201F	30	3/4X3	
1697	-	449	36	16WF40	-	-	-	-	-	-	111A	106D	28	3/4X3	
1698	-	100	36	12B19	-	-	-	-	-	-	26.5K	26.5K	15	3/4X3	
1699	-	100	36	12B19	-	-	-	-	-	-	26.5K	26.5K	15	3/4X3	

REMARKS

1 DETAIL 406 LEFT END OF BEAM



SKILLING-HELLE-CHRISTIANSEN-ROBERTSON

Civil & Structural Engineers

PROJECT		THE WORLD TRADE CENTER			TITLE		BEAM SCHEDULE TOWERS A AND B					DATE		1/22/68	
BEAM NO.	SIZE	TYPE	FY	SHAPE	PLATE 1		PLATE 2		DIMENSIONS		SUPPORTS		STUDS		
					WIDTH	THICK	WIDTH	THICK	LENGTH	DIM. A	LEFT	RIGHT	NO.	SIZE	REMARKS
1700	-	100	36	14B22	-	-	-	-	-	-	283I	170C	-	-	
1701	-	100	36	8B13	-	-	-	-	-	-	105H	105H	11	3/4X4-1/2	
1702	-	100	36	12B16.5	-	-	-	-	-	-	105H	26.5K	15	3/4X4-1/2C	
1703	-	100	36	16WF40	-	-	-	-	-	-	335C	205F	-	-	1
1704	-	100	36	16WF40	-	-	-	-	-	-	106F	111I	39	3/4X3	
1705	-	100	36	16WF40	-	-	-	-	-	-	26.5K	287G	39	3/4X3U	X
1706	-	100	36	16B26	-	-	-	-	-	-	283I	337B	-	-	
1707	-	100	36	16WF40	-	-	-	-	-	-	106F	111I	46	3/4X3	
1708	-	100	36	16WF40	-	-	-	-	-	-	106F	111I	39	3/4X3	
1709	-	100	36	16WF45	-	-	-	-	-	-	106D	111I	39	3/4X3	
1710	16X4 BX	200	50	-	2-1/2	3/8	16	3/4	-	-	247F	294B	-	-	
1711	16X4 BX	200	50	-	2-1/2	3/8	16	3/4	-	-	247F	294B	-	-	
1712	16X5-1/2BX	201	36	-	4	3/8	16	3/4	-	-	294D	247G	-	-	
1713	-	100	36	16WF40	-	-	-	-	-	-	335C	205F	-	-	1
1714	-	100	36	16WF40	-	-	-	-	-	-	402A	402A	-	-	
1715	-	100	36	16WF40	-	-	-	-	-	-	205F	220I	-	-	
1716	-	100	36	12WF27	-	-	-	-	-	-	26.5K	26.5K	-	-	
1717	-	100	36	12B19	-	-	-	-	-	-	283R	111K	18	3/4X3	
1718	-	100	36	12WF27	-	-	-	-	-	-	283G	105L	19	3/4X4-1/2	
1719	32X4 CH	512	36	-	4	7/8	30-1/4	5/8	-	-	229A	245B	-	-	
1720	12X4 CH	505	50	12CH50.0	2-7/8	3/4	-	-	12FT 3	1FT 0	443A	441B	-	-	
1721	-	100	50	15CH50	-	-	-	-	-	-	245	245	-	-	
1722	-	100	36	15CH33.9	-	-	-	-	-	-	315	315	-	-	
1723	-	100	50	15CH33.9	-	-	-	-	-	-	315	315	-	-	
1724	-	100	36	15CH33.9	-	-	-	-	-	-	26.5K	26.5K	-	-	
1725	15X3-3/8CH	505	46	15CH33.9	2-3/8	1-7/16	-	-	-	-	315	233	-	-	
1726	-	100	36	15CH33.9	-	-	-	-	-	-	26.5K	26.5K	-	-	
1727	15X3-3/8CH	505	36	15CH33.9	2-3/8	13/16	-	-	-	-	315	233	-	-	
1728	-	100	36	16WF45	-	-	-	-	-	-	106	111	63	3/4X3	
1729	16X4 BX	200	50	-	2-1/2	3/8	16	3/4	-	-	372A	282C	-	-	
1730	-	100	36	16WF36	-	-	-	-	-	-	803A	806A	10	3/4X3	
1731	-	100	36	16WF40	-	-	-	-	-	-	807A	806A	19	3/4X3	
1732	-	100	36	16WF40	-	-	-	-	-	-	208F	806B	19	3/4X3	
1733	-	100	36	16WF40	-	-	-	-	-	-	805A	208F	11	3/4X3	

REMARKS

1 DETAIL 405 LEFT END OF BEAM



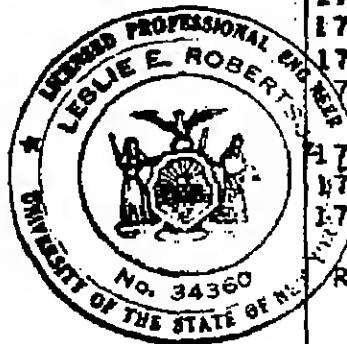
SKILLING-HELLE-CHRISTIANSEN-ROBERTSON

Civil & Structural Engineers

PROJECT THE WORLD TRADE CENTER					TITLE BEAM SCHEDULE TOWERS A AND B							DATE 1/22/68			
BEAM NO.	SIZE	TYPE	FY	SHAPE	PLATE 1		PLATE 2		DIMENSIONS		SUPPORTS		STUDS		REMARKS
					WIDTH	THICK	WIDTH	THICK	LENGTH	DIM. A	LEFT	RIGHT	NO.	SIZE	
1734	-	100	36	16WF36	-	-	-	-	-	-	208F	807A	8	3/4X3	
1735	-	100	36	16WF36	-	-	-	-	-	-	803A	26.5K	-	-	
1736	-	100	36	16WF36	-	-	-	-	-	-	805A	807A	-	-	
1737	-	100	36	16WF36	-	-	-	-	-	-	803A	807A	10	3/4X3	
1738	-	100	36	16WF40	-	-	-	-	-	-	106F	111I	47	3/4X3	
1739	-	100	36	16WF40	-	-	-	-	-	-	106F	111I	47	3/4X3	
1740	-	100	36	14B22	-	-	-	-	-	-	201F	201F	12	3/4X3	
1741	-	100	50	16WF45	-	-	-	-	-	-	106D	111I	30	3/4X3	
1742	-	100	36	16WF36	-	-	-	-	-	-	26.5K	374A	8	3/4X3-1/2B	
1743	-	100	36	12B16.5	-	-	-	-	-	-	26.5K	26.5K	13	3/4X3	
1744	-	404	36	18WF50	-	-	-	-	-	-	26.5K	26.7K	26	3/4X3	
1745	-	100	36	18I54.7	-	-	-	-	-	-	201F	201G	-	-	
1746	-	100	36	18WF45	-	-	-	-	-	-	111M	111M	8	3/4X3	
1747	-	100	36	16WF45	-	-	-	-	-	-	292A	287G	40	3/4X3J	
1748	-	100	36	14B26	-	-	-	-	-	-	201F	170C	-	-	
1749	-	100	36	16WF40	-	-	-	-	-	-	335C	205F	-	-	1
1750	-	100	36	16WF40	-	-	-	-	-	-	401A	401A	-	-	
1751	-	100	36	16WF40	-	-	-	-	-	-	205F	220I	-	-	
1752	-	100	36	16WF40	-	-	-	-	-	-	402A	402A	-	-	
1753	-	100	36	16WF40	-	-	-	-	-	-	205F	220M	-	-	
1754	16X4 BX	300	36	-	2-1/4	3/8	16	7/8	-	-	296C	274B	-	-	
1755	-	100	36	12B16.5	-	-	-	-	-	-	26.5K	26.5K	-	-	
1756	-	100	36	12B16.5	-	-	-	-	-	-	26.5K	26.5K	-	-	
1757	-	100	36	12B19	-	-	-	-	-	-	26.5K	26.5K	-	-	
1758	-	100	36	14B22	-	-	-	-	-	-	201F	26.5K	19	3/4X3	
1759	-	100	36	12B19	-	-	-	-	-	-	17.4K	307D	15	3/4X3	
1760	-	100	36	12B19	-	-	-	-	-	-	26.5K	26.5K	15	3/4X3	
1761	-	100	36	16WF40	-	-	-	-	-	-	335C	307D	-	-	1
1762	-	100	36	16WF40	-	-	-	-	-	-	402A	402A	-	-	
1763	-	100	36	16WF40	-	-	-	-	-	-	205F	220L	24	3/4X3	
1764	-	100	36	14B26	-	-	-	-	-	-	105H	105H	8	3/4X3	
1765	-	100	36	8B13	-	-	-	-	-	-	17.4K	17.4K	11	3/4X3	
1766	-	100	36	8B13	-	-	-	-	-	-	17.4K	17.4K	11	3/4X3	

REMARKS

1 DETAIL 405 LEFT END OF BEAM



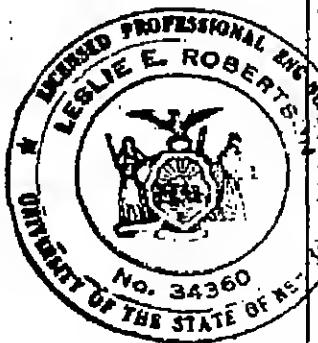
SKILLING-HELLE-CHRISTIANSEN-ROBERTSON

Civil & Structural Engineers

PROJECT		THE WORLD TRADE CENTER			TITLE		BEAM SCHEDULE TOWERS A AND B					DATE		1/22/68	
BEAM NO.	SIZE	TYPE	FY	SHAPE	PLATE 1		PLATE 2		DIMENSIONS		SUPPORTS		STUDS		REMARKS
					WIDTH	THICK	WIDTH	THICK	LENGTH	DIM. A	LEFT	RIGHT	NO.	SIZE	
1767	-	100	36	8B13	-	-	-	-	-	-	105H	105H	11	3/4X3	
1768	-	100	36	16WF40	-	-	-	-	-	-	106E	106D	39	3/4X3	
1769	-	100	36	16WF40	-	-	-	-	-	-	106D	1111	39	3/4X3	
1770	18X4 CH	507	50	18CH58.0	3- 1/2	1/2	-	-	FULL LENGTH	-	231A	246E	-	-	
1771	-	100	50	12CH50.0	-	-	-	-	-	-	440A	440A	-	-	
1772	15X3-3/8CH	505	50	15CH50.0	2- 1/2	1- 3/8	-	-	24FT 0	1FT 0	246E	246E	-	-	1 X
1773	15X3-3/8CH	510	50	15CH50.0	2- 1/2	1- 3/8	-	-	24FT 0	6FT 0	246E	246E	-	-	
1774	-	100	50	12CH50.0	-	-	-	-	-	-	440A	440A	-	-	
1775	18X4 CH	500	50	18CH58.0	3- 1/2	1/2	-	-	FULL LENGTH	-	246E	231A	-	-	
1776	18X4 CH	507	50	18CH58.0	3- 1/2	1/2	-	-	FULL LENGTH	-	231A	246E	-	-	
1777	15X3-3/8CH	505	50	15CH50.0	2-1/2	1-1/4	-	-	FULL LENGTH	-	440A	50.0K	-	-	
1778	-	100	36	8B13	-	-	-	-	-	-	201H	201H	-	-	
1779	-	100	36	14B22	-	-	-	-	-	-	201F	503A	-	-	
1780	15X3-3/8CH	514	50	15CH50.0	2-1/2	1-1/4	-	-	FULL LENGTH	-	50.0K	440A	-	-	
1781	18X4 CH	507	50	18CH58.0	3- 1/2	1/2	-	-	FULL LENGTH	-	246E	231A	-	-	
1782	21X7 BU	300	36	-	7	1- 1/4	18-1/2	1/2	-	-	231A	317C	-	-	
1783	-	100	36	21WF55	-	-	-	-	-	-	414A	430A	-	-	
1784	-	100	36	21WF55	-	-	-	-	-	-	317E	317E	-	-	
1785	-	100	36	21WF55	-	-	-	-	-	-	414A	414A	-	-	
1786	-	100	36	24WF76	-	-	-	-	-	-	317C	231A	-	-	
1787	21X7 BU	300	36	-	7	1- 1/4	18-1/2	1/2	-	-	231A	317C	-	-	
1788	-	100	36	21WF55	-	-	-	-	-	-	414A	414A	-	-	
1789	-	100	36	21WF55	-	-	-	-	-	-	317E	317E	-	-	
1790	-	100	36	21WF55	-	-	-	-	-	-	414A	414A	-	-	
1791	-	100	36	24WF76	-	-	-	-	-	-	317C	231A	-	-	
1792	-	100	36	16B326	-	-	-	-	-	-	105D	105F	8	3/4X3	
1793	-	100	36	12B19	-	-	-	-	-	-	105F	26.5K	21	3/4X3	
1794	-	100	36	14B22	-	-	-	-	-	-	26.5K	26.5K	20	3/4X3	
1795	-	100	36	12B19	-	-	-	-	-	-	26.5K	26.5K	10	3/4X3	
1796	-	100	36	12B16.5	-	-	-	-	-	-	26.5K	26.5K	-	-	
1797	-	100	36	16WF36	-	-	-	-	-	-	286A	26.5K	34	3/4X3	
1798	18X4 CH	502	36	12B19	-	-	-	-	-	-	26.5K	286A	-	-	
1799	-	100	36	14WF48	-	-	-	-	-	-	105K	26.5K	20	3/4X3	

REMARKS

- 1 DETAIL 442A RIGHT END OF BEAM
- 2 RIGHT END OF BEAM SITS ON BEAM



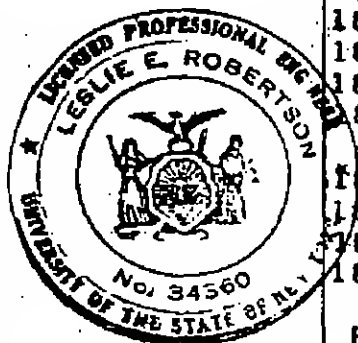
SKILLING-HELLE-CHRISTIANSEN-ROBERTSON

Civil & Structural Engineers

PROJECT		THE WORLD TRADE CENTER				TITLE		BEAM SCHEDULE TOWERS A AND B				DATE		1/22/68	
BEAM NO.	SIZE	TYPE	FY	SHAPE	PLATE 1		PLATE 2		DIMENSIONS		SUPPORTS		STUDS		REMARKS
					WIDTH	THICK	WIDTH	THICK	LENGTH	DIM. A	LEFT	RIGHT	NO.	SIZE	
1800	18X4 CH	507	50	18CH58.0	-	-	-	-	-	-	229B	245B	-	-	1
1801	12X4 CH	505	50	12CH50.0	2-3/4	7/8	-	-	12FT 3	1FT 0	440A	441B	-	-	
1802	15X3-3/8CH	505	50	15CH40.0	2-1/4	3/4	-	-	26FT 1	1FT 0	245C	245D	-	-	2
1803	15X3-3/8CH	503	50	15CH40.0	2-1/4	3/4	-	-	26FT 0	1FT 0	245D	245C	-	-	3
1804	12X4 CH	505	36	12CH50.0	2-3/4	7/8	-	-	12FT 4	1FT 0	441B	440A	-	-	
1805	18X4 CH	500	50	18CH58.0	-	-	-	-	-	-	245B	229B	-	-	
1806	12X4 CH	505	50	12CH50.0	2-7/8	1/2	-	-	FULL LENGTH	-	229B	311A	-	-	
1807	-	100	50	12CH50.0	-	-	-	-	-	-	428A	426A	-	-	
1808	-	100	36	15CH40.0	-	-	-	-	-	-	315A	315D	-	-	
1809	-	100	36	15CH40.0	-	-	-	-	-	-	422A	423A	-	-	
1810	-	100	36	15CH50.0	-	-	-	-	-	-	315A	233A	-	-	
1811	-	100	36	12B22	-	-	-	-	-	-	310D	26.5K	-	-	
1812	-	100	36	16B31	-	-	-	-	-	-	220G	254B	-	-	
1813	-	100	36	16B31	-	-	-	-	-	-	254B	254B	-	-	
1814	-	100	36	16B31	-	-	-	-	-	-	254B	335A	-	-	8
1815	-	100	36	16B31	-	-	-	-	-	-	335A	254B	-	-	9
1816	-	100	36	16B31	-	-	-	-	-	-	254B	254 8	-	-	
1817	-	100	36	16B31	-	-	-	-	-	-	254B	220G	-	-	
1818	-	100	36	16B31	-	-	-	-	-	-	220G	254A	-	-	
1819	-	100	36	16B31	-	-	-	-	-	-	254A	254A	-	-	
1820	-	100	36	16B31	-	-	-	-	-	-	254A	335A	-	-	4
1821	-	100	36	16B31	-	-	-	-	-	-	335A	254A	-	-	5
1822	-	100	36	16B31	-	-	-	-	-	-	254A	254A	-	-	
1823	-	100	36	16B31	-	-	-	-	-	-	254A	220G	-	-	
1824	-	100	50	16WF50	-	-	-	-	-	-	220H	205D	-	-	
1825	-	100	36	16WF45	-	-	-	-	-	-	401B	401B	-	-	
1826	-	100	36	16WF50	-	-	-	-	-	-	205D	335A	-	-	4
1827	-	100	36	16WF50	-	-	-	-	-	-	335A	205D	-	-	5
1828	-	100	36	16WF45	-	-	-	-	-	-	401B	401B	-	-	
1829	-	100	50	16WF50	-	-	-	-	-	-	205D	220H	-	-	
1830	-	100	36	16WF45	-	-	-	-	-	-	220F	205D	-	-	
1831	-	100	36	16WF40	-	-	-	-	-	-	401B	401B	-	-	
1832	-	100	36	16WF45	-	-	-	-	-	-	205D	310C	-	-	6
1833	-	100	36	16WF45	-	-	-	-	-	-	307D	310C	-	-	7

REMARKS

- 1 REINF. PLATES 3FT 9 X 1
- 2 DETAIL 442 RIGHT END OF BEAM
- 3 DETAIL 442 LEFT END OF BEAM
- 4 DETAIL 474 RIGHT END OF BEAM
- 5 DETAIL 474 LEFT END OF BEAM
- 6 DETAIL 405 RIGHT END OF BEAM
- 7 DETAIL 405 LEFT END OF BEAM
- 8 DETAIL 406 RIGHT END OF BEAM
- 9 DETAIL 406 LEFT END OF BEAM



SKILLING, HELLE, CHRISTIANSEN, ROBERTSON

Structural & Civil Engineers

PROJECT	TITLE	DATE
THE WORLD TRADE CENTER	BEAM SCHEDULE TOWERS A AND B	7/17/68

REVISIONS

BEAM NO.	SIZE	TYPE	FY	SHAPE	PLATE 1		PLATE 2		DIMENSIONS		SUPPORTS		STUDS		REMARKS
					WIDTH	THICK	WIDTH	THICK	LENGTH	DIM. A	LEFT	RIGHT	NO.	SIZE	
1834	-	100	36	16WF40	-	-	-	-	-	-	401B	401B	-	-	
1835	-	100	36	16WF45	-	-	-	-	-	-	205D	220H	-	-	
1836	-	100	36	24I79.9	-	-	-	-	-	-	202B	234A	-	-	
1837	-	100	36	24I79.9	-	-	-	-	-	-	234A	234A	44	3/4X3	
1838	-	100	36	24I79.9	-	-	-	-	-	-	234A	234A	-	-	
1839	-	100	36	24I79.9	-	-	-	-	-	-	234A	202B	-	-	
1840	-	100	36	24I79.9	-	-	-	-	-	-	202B	234A	34	3/4X3	
1841	-	100	36	24I90.0	-	-	-	-	-	-	234A	234C	42	3/4X3	(3)
1842	-	100	36	24I90.0	-	-	-	-	-	-	234C	234A	42	3/4X3	(3)
1843	-	100	36	24I79.9	-	-	-	-	-	-	234A	202B	34	3/4X3	
1844	-	100	36	18WF50	-	-	-	-	-	-	220H	205A	-	-	
1845	-	100	36	18WF45	-	-	-	-	-	-	414A	414A	-	-	
1846	-	100	36	18WF50	-	-	-	-	-	-	205A	205A	-	-	1
1847	-	100	36	18WF50	-	-	-	-	-	-	205A	205A	-	-	2
1848	-	100	36	18WF45	-	-	-	-	-	-	414A	414A	-	-	
1849	-	100	36	18WF50	-	-	-	-	-	-	205A	220H	-	-	
1850	-	100	36	24I79.9	-	-	-	-	-	-	234A	234A	-	-	
1851	-	100	36	24I79.9	-	-	-	-	-	-	234C	234C	22	3/4X3	(3)
1852	-	100	36	12B16.5	-	-	-	-	-	-	175A	26.5K	15	3/4X3	
1853	-	100	36	12B16.5	-	-	-	-	-	-	26.5K	26.5K	15	3/4X3	
1854	-	100	36	12B16.5	-	-	-	-	-	-	26.5K	26.5K	10	3/4X3B	
1855	-	100	36	16WF36	-	-	-	-	-	-	810B	26.5K	20	3/4X3	
1856	16X5-1/2BX	200	36	-	4	3/8	16	3/4	-	-	450	450	-	-	
1857	16X5-1/2BX	200	36	-	4	3/8	16	3/4	-	-	206A	375A	-	-	
1858	-	100	50	18W45	-	-	-	-	-	-	235B	377B	15	3/4X3	
1859	-	100	50	18WF45	-	-	-	-	-	-	377B	235B	15	3/4X3	
1860	16X5-1/2BX	200	36	-	4	3/8	16	3/4	-	-	450	450	-	-	
1861	16X5-1/2BX	200	36	-	4	3/8	16	3/4	-	-	375A	206A	-	-	
1862	-	100	36	14822	-	-	-	-	-	-	26.5K	26.5K	-	-	
1863	-	100	50	18WF45	-	-	-	-	-	-	800B	26.5K	24	3/4X3	
1864	-	100	50	12B19	-	-	-	-	-	-	111H	17.4K	-	-	
1865	-	100	50	18WF45	-	-	-	-	-	-	801B	804B	24	3/4X3	
1866	-	100	50	14826	-	-	-	-	-	-	283I	26.5K	-	-	

REMARKS

- 1 DETAIL 414A RIGHT END OF BEAM
- 2 DETAIL 414A LEFT END OF BEAM
- 3 DETAIL 234C, REVISION AFTER FABRICATION, SEE 19-A-907.



SKILLING-HELLE-CHRISTIANSEN-ROBERTSON

Civil & Structural Engineers

PROJECT

THE WORLD TRADE CENTER

TITLE

BEAM SCHEDULE TOWERS A AND B

DATE

7/17/68

REVISIONS

BEAM NO.	SIZE	TYPE	FY	SHAPE	PLATE 1		PLATE 2		DIMENSIONS		SUPPORTS		STUDS		REMARKS
					WIDTH	THICK	WIDTH	THICK	LENGTH	DIM. A	LEFT	RIGHT	NO.	SIZE	
1867	-	100	50	18WF45	-	-	-	-	-	-	208G	335F	24	3/4X3	
1868	-	100	50	18WF45	-	-	-	-	-	-	807B	806C	24	3/4X3	
1869	-	100	36	9CH13.4	-	-	-	-	-	-	17.4K	17.4K	-	-	
1870	-	100	50	18WF45	-	-	-	-	-	-	8018	804B	24	3/4X3	
1871	-	100	50	12819	-	-	-	-	-	-	111H	17.4K	-	-	
1872	-	100	50	18WF45	-	-	-	-	-	-	800B	26.5K	26	3/4X3	
1873	-	100	50	14826	-	-	-	-	-	-	2831	170C	18	3/4X3	
1874	-	100	50	18WF45	-	-	-	-	-	-	800B	8018	8	3/4X3	
1875	-	100	50	18WF45	-	-	-	-	-	-	800B	8018	8	3/4X3	
1876	18X4 8U	300	36	-	4	1	16	3/8	-	-	372A	282D	-	-	
1877	-	100	50	18WF45	-	-	-	-	-	-	805B	208G	8	3/4X3	
1878	-	100	50	12WF27	-	-	-	-	-	-	111H	111H	8	3/4X3	
1879	-	100	50	18WF45	-	-	-	-	-	-	283L	337C	8	3/4X3	
1880	-	100	50	18WF45	-	-	-	-	-	-	802B	800B	8	3/4X3	
1881	18X4 8X	200	36	-	2-1/2	3/8	18	3/4	-	-	247F	294C	-	-	
1882	18X4 8X	200	36	-	2-1/2	3/8	18	3/4	-	-	247F	294C	-	-	
1883	-	100	50	18WF45	-	-	-	-	-	-	802B	800B	8	3/4X3	
1884	-	100	50	18WF45	-	-	-	-	-	-	804D	800B	-	-	
1885	-	100	50	18WF60	-	-	-	-	-	-	884A	287H	25	3/4X3	
1886	-	100	36	14822	-	-	-	-	-	-	310J	26.5K	22	3/4X3	
1887	-	100	50	18WF60	-	-	-	-	-	-	287H	287H	25	3/4X3	
1888	-	100	50	18WF45	-	-	-	-	-	-	26.5K	287H	15	3/4X3B	
1889	-	100	50	18WF60	-	-	-	-	-	-	287H	287H	25	3/4X3	
1890	-	100	50	18WF45	-	-	-	-	-	-	208G	807B	8	3/4X3	
1891	-	100	50	18WF45	-	-	-	-	-	-	170E	287H	15	3/4X3B	
1892	33X5-1/2BU	321	36	-	5-1/2	1	31	1/2	-	-	335M	254D	-	-	1,2,3
1893	-	100	50	18WF50	-	-	-	-	-	-	287H	287H	8	3/4X3	
1894	-	100	50	8813	-	-	-	-	-	-	111K	111K	15	3/4X3	
1895	-	100	50	18WF45	-	-	-	-	-	-	307G	287H	15	3/4X3B	
1896	-	100	36	18WF60	-	-	-	-	-	-	26.5K	26.5K	18	3/4X3	
1897	-	100	50	18WF45	-	-	-	-	-	-	804D	800B	-	-	
1898	-	100	50	18WF60	-	-	-	-	-	-	287H	287H	25	3/4X3	
1899	-	100	50	18WF60	-	-	-	-	-	-	287H	884A	25	3/4X3	

REMARKS

- 1 DETAIL 406 LEFT END OF BEAM
- 2 PLATE 3, 4-1/2 WIDTH, 7/8 THICK, BEAM TYPE 321, REVISED AFTER FABRICATION. TOWER A ONLY.
- 3 END SUPPORTS, REVISED AFTER FABRICATION. TOWER A ONLY.



SKILLING-HELLE-CHRISTIANSEN-ROBERTSON

Civil & Structural Engineers

PROJECT					TITLE					DATE					
THE WORLD TRADE CENTER					BEAM SCHEDULE TOWERS A AND B					3/13/68					
BEAM NO.	SIZE	TYPE	FY	SHAPE	PLATE 1		PLATE 2		DIMENSIONS		SUPPORTS		STUDS		REMARKS
					WIDTH	THICK	WIDTH	THICK	LENGTH	DIM. A	LEFT	RIGHT	NO.	SIZE	
1900	-	100	50	18WF45	-	-	-	-	-	-	26.5K	287H	15	3/4X38	
1901	-	100	50	18WF45	-	-	-	-	-	-	26.5K	287H	12	3/4X38	
1902	-	100	36	12B16.5	-	-	-	-	-	-	17.4K	17.4K	-	-	
1903	-	100	36	12B16.5	-	-	-	-	-	-	175A	17.4K	13	3/4X3	
1904	-	404	50	18WF60	-	-	-	-	-	-	338F	294C	26	3/4X3	
1905	-	404	50	18WF60	-	-	-	-	-	-	294C	282D	26	3/4X3	
1906	-	100	36	8B13	-	-	-	-	-	-	111K	111K	-	-	
1907	-	404	50	18WF60	-	-	-	-	-	-	338C	294C	26	3/4X3	
1908	-	404	50	18WF60	-	-	-	-	-	-	294C	338F	26	3/4X3	
1909	18X8 BU	300	50	-	8	1- 1/8	15-3/4	5/8	-	-	815B	378B	-	-	
1910	18X8 BU	300	50	-	8	1- 3/8	15-1/4	5/8	-	-	378B	815B	-	-	
1911	18X8 BU	300	50	-	8	1- 1/2	15	5/8	-	-	815B	378B	-	-	
1912	18X8 BX	220	50	-	7-1/4	1- 1/8	18	3/8	-	-	380B	818A	-	-	
1913	18X8 BU	300	50	-	8	1- 3/8	15-1/4	5/8	-	-	815B	378B	-	-	
1914	18X8 BU	300	50	-	8	1- 1/8	15-3/4	5/8	-	-	378B	815B	-	-	
1915	18X8 BU	300	50	-	8	1- 1/8	15-3/4	5/8	-	-	815B	378B	-	-	
1916	18X8 BU	300	50	-	8	1- 3/8	15-1/4	5/8	-	-	378B	815B	-	-	
1917	18X8 BX	220	50	-	7-1/4	1- 1/8	18	3/8	-	-	818A	380B	-	-	
1918	18X8 BU	300	50	-	8	1- 1/2	15	5/8	-	-	378B	815B	-	-	
1919	18X8 BU	300	50	-	8	1- 3/8	15-1/4	5/8	-	-	815B	378B	-	-	
1920	18X8 BU	300	50	-	8	1- 1/8	15-3/4	5/8	-	-	378B	815B	-	-	
1921	18X7 BU	300	50	-	7	1	16	1/2	-	-	885A	205H	-	-	
1922	18X7 BU	300	50	-	7	1	16	1/2	-	-	408A	408A	-	-	
1923	18X7 BU	300	50	-	7	1	16	1/2	-	-	811C	335F	-	-	1
1924	18X7 BU	300	50	-	7	1	16	1/2	-	-	205H	811C	-	-	2
1925	18X7 BU	300	50	-	7	1	16	1/2	-	-	408A	408A	-	-	
1926	18X7 BU	300	50	-	7	1	16	1/2	-	-	205H	881A	-	-	
1927	-	100	50	18WF60	-	-	-	-	-	-	885A	205H	-	-	
1928	-	100	50	18WF60	-	-	-	-	-	-	414B	414B	-	-	
1929	-	100	50	18WF60	-	-	-	-	-	-	335F	-	-	-	3
1930	-	100	50	18WF60	-	-	-	-	-	-	307G	-	-	-	4
1931	-	100	50	18WF60	-	-	-	-	-	-	414B	414B	-	-	
1932	-	100	50	18WF60	-	-	-	-	-	-	205H	885A	-	-	

REMARKS

- 1 DETAIL 408A RIGHT END OF BEAM
- 2 DETAIL 408A LEFT END OF BEAM
- 3 DETAIL 414B RIGHT END OF BEAM
- 4 DETAIL 414B LEFT END OF BEAM
- 5 SEE 6-AB5-4 FOR RIGHT CONN. DET.
- 6 SEE 6-AB5-4 FOR LEFT CONN. DET.



SKILLING-HELLE-CHRISTIANSEN-ROBERTSON

Civil & Structural Engineers

PROJECT

THE WORLD TRADE CENTER

TITLE

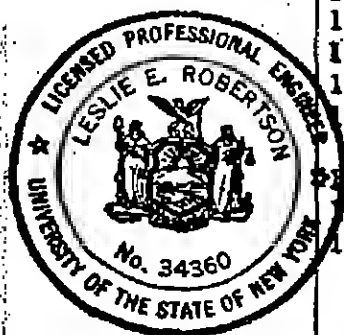
BEAM SCHEDULE TOWERS A AND B

DATE

07/11/69

REVISIONS

BEAM NO.	SIZE	TYPE	FY	SHAPE	PLATE 1		PLATE 2		DIMENSIONS		SUPPORTS		STUDS		REMARKS
					WIDTH	THICK	WIDTH	THICK	LENGTH	DIM. A	LEFT	RIGHT	NO.	SIZE	
1934	-	100	50	18WF45	-	-	-	-	-	-	801B	802B	10	3/4X3	
1935	16X5 1/2BX	200	36	-	4	3/8	16	3/4	-	-	375A	247G	-	-	
1936	-	100	36	8B13	-	-	-	-	-	-	17.4K	17.4K	-	-	
1937	-	100	50	8B13	-	-	-	-	-	-	111K	111K	-	-	
1938	-	100	50	18WF45	-	-	-	-	-	-	377B	235B	15	3/4X3	
1939	-	100	36	12B16.5	-	-	-	-	-	-	26.5K	26.5K	-	-	
1940	-	100	36	16WF36	-	-	-	-	-	-	106E	275B	8	3/4X3C	
1941	-	100	50	16WF50	-	-	-	-	-	-	802A	800A	8	3/4X3	
1942	-	100	50	16WF78	-	-	-	-	-	-	800A	26.5K	19	3/4X3	
1943	-	100	36	14B22	-	-	-	-	-	-	26.5K	26.5K	19	3/4X3	
1944	-	100	36	12B19	-	-	-	-	-	-	111H	26.5K	-	-	
1945	-	100	50	16WF50	-	-	-	-	-	-	801A	804A	19	3/4X3	
1946	-	100	50	16B26	-	-	-	-	-	-	26.5K	803B	-	-	
1947	-	100	50	16WF40	-	-	-	-	-	-	804A	803B	10	3/4X3	
1948	-	100	50	16WF40	-	-	-	-	-	-	801A	803B	10	3/4X3	
1949	-	100	50	16WF78	-	-	-	-	-	-	800A	26.5K	19	3/4X3	
1950	-	100	50	16WF50	-	-	-	-	-	-	801A	804A	19	3/4X3	
1951	-	100	50	16WF40	-	-	-	-	-	-	803B	804A	10	3/4X3	
1952	-	100	50	16B26	-	-	-	-	-	-	803B	26.5K	-	-	
1953	-	100	50	16WF40	-	-	-	-	-	-	803B	801A	10	3/4X3	
1954	-	100	50	16B26	-	-	-	-	-	-	802A	801A	10	3/4X3	
1955	-	100	50	16WF78	-	-	-	-	-	-	804C	800A	18	3/4X3	
1956	-	100	50	16WF50	-	-	-	-	-	-	800A	801A	8	3/4X3	
1957	-	100	50	16WF50	-	-	-	-	-	-	802A	804C	15	3/4X3	
1958	-	100	50	16WF36	-	-	-	-	-	-	26.5K	802A	15	3/4X3	
1959	-	100	50	16WF78	-	-	-	-	-	-	804C	800A	12	3/4X3	
1960	-	100	50	16WF36	-	-	-	-	-	-	26.5K	802A	15	3/4X3	
1961	-	100	50	16WF50	-	-	-	-	-	-	804C	802A	18	3/4X3	
1962	-	100	50	16B26	-	-	-	-	-	-	801A	802A	10	3/4X3	
1963	-	100	36	12B16.5	-	-	-	-	-	-	26.5K	26.5K	18	3/4X3	
1964	-	404	50	16WF50	-	-	-	-	-	-	382A	294B	15	3/4X3	
1965	-	404	50	16WF50	-	-	-	-	-	-	294B	282C	15	3/4X3	
1966	-	404	50	16WF50	-	-	-	-	-	-	337B	294B	15	3/4X3	



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PROJECT	THE WORLD TRADE CENTER	TITLE	BEAM SCHEDULE TOWERS A AND B	DATE	7/17/68
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REVISIONS

BEAM NO.	SIZE	TYPE	FY	SHAPE	PLATE 1		PLATE 2		DIMENSIONS		SUPPORTS		STUDS		REMARKS
					WIDTH	THICK	WIDTH	THICK	LENGTH	DIM. A	LEFT	RIGHT	NO.	SIZE	
1967	-	404	50	16WF50	-	-	-	-	-	-	294B	382A	15	3/4X3	1
1968	-	100	50	16WF50	-	-	-	-	-	-	382C	287G	39	3/4X3	
1969	-	100	50	16WF50	-	-	-	-	-	-	287G	287G	39	3/4X3	
1970	-	100	36	16WF50	-	-	-	-	-	-	287G	287G	39	3/4X3	
1971	-	100	36	16WF50	-	-	-	-	-	-	287G	287G	8	3/4X3	
1972	-	100	50	16WF50	-	-	-	-	-	-	287G	287G	39	3/4X3	X
1973	-	100	50	16WF50	-	-	-	-	-	-	287G	382C	39	3/4X3	
1974	-	100	50	16WF36	-	-	-	-	-	-	26.5K	287G	15	3/4X3B	
1975	-	100	50	16WF36	-	-	-	-	-	-	170B	287G	15	3/4X3	
1976	-	100	50	16WF40	-	-	-	-	-	-	307F	287G	19	3/4X3	
1977	-	100	50	16WF36	-	-	-	-	-	-	26.5K	287G	12	3/4X3B	
1978	-	100	50	16WF36	-	-	-	-	-	-	26.5K	287G	12	3/4X3B	
1979	-	100	50	16WF50	-	-	-	-	-	-	800A	801A	8	3/4X3	
1980	-	100	50	16WF50	-	-	-	-	-	-	802A	800A	8	3/4X3	
1981	16X8 BU	300	36	-	8	1- 1/4	13-1/2	9/16	-	-	378A	814A	-	-	
1982	16X8 BX	220	36	-	7-1/4	1- 1/4	16	3/8	-	-	817A	379A	-	-	
1983	-	100	36	8B13	-	-	-	-	-	-	17.4K	17.4K	11	3/4X3	
1984	-	100	36	16WF40	-	-	-	-	-	-	111A	111A	-	-	
1985	16X8 BU	300	36	-	8	3/4	14-1/2	1/2	-	-	378A	814A	-	-	
1986	16X8 BU	300	36	-	8	1- 1/8	13-3/4	1/2	-	-	814A	378A	-	-	
1987	16X8 BX	220	36	-	7-1/4	1- 1/4	16	3/8	-	-	379A	817A	-	-	
1988	16X8 BU	300	36	-	8	1- 1/4	13-1/2	9/16	-	-	814A	378A	-	-	
1989	16X8 BU	300	36	-	8	1- 1/8	13-3/4	1/2	-	-	378A	814A	-	-	
1990	16X8 BU	300	36	-	8	3/4	14-1/2	1/2	-	-	814A	378A	-	-	
1991	-	100	50	16WF40	-	-	-	-	-	-	335E	805A	19	3/4X3	
1992	-	100	36	16WF40	-	-	-	-	-	-	26.5K	26.5K	-	-	
1993	-	100	36	16WF50	-	-	-	-	-	-	29.0K	27.3K	-	-	
1994	-	100	36	16WF50	-	-	-	-	-	-	28.8K	29.1K	-	-	
1995	-	100	36	8B13	-	-	-	-	-	-	17.4K	17.4K	11	3/4X3	
1996	-	100	36	12B16.5	-	-	-	-	-	-	17.4K	346A	8	3/4X3	
1997	-	100	36	8B13	-	-	-	-	-	-	17.4K	17.4K	-	-	
1998	-	100	36	12B19	-	-	-	-	-	-	26.5K	26.5K	-	-	
1999	-	100	36	10B15	-	-	-	-	-	-	179B	17.4K	-	-	

REMARKS

1 DETAIL 382D, RIGHT SUPPORT, TOWER B ONLY

* HOLD



SKILLING, HELLE, CHRISTIANSEN, ROBERTSON

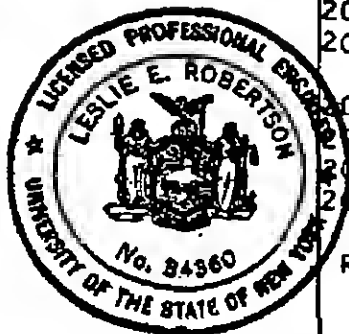
Structural & Civil Engineers

PROJECT	TITLE	DATE
THE WORLD TRADE CENTER	BEAM SCHEDULE TOWERS A AND B	8/15/69

REVISIONS

BEAM NO.	SIZE	TYPE	FY	SHAPE	PLATE 1		PLATE 2		DIMENSIONS		SUPPORTS		STUDS		REMARKS
					WIDTH	THICK	WIDTH	THICK	LENGTH	DIM. A	LEFT	RIGHT	NO.	SIZE	
2000	-	100	36	16WF40	-	-	-	-	-	-	26.5K	26.5K	-	-	
2001	-	100	36	8CH11.5	-	-	-	-	-	-	17.4K	17.4K	-	-	
2002	-	100	36	8CH11.5	-	-	-	-	-	-	17.4K	17.4K	-	-	
2003	-	100	36	12B16.5	-	-	-	-	-	-	26.5K	26.5K	-	-	
2004	-	100	36	12B16.5	-	-	-	-	-	-	26.5K	26.5K	-	-	
2005	-	100	36	12B16.5	-	-	-	-	-	-	105L	201Q	15	3/4X4-1/2	1 X
2006	-	100	36	12B16.5	-	-	-	-	-	-	26.5K	26.5K	-	-	
2007	-	100	36	16WF40	-	-	-	-	-	-	241A	26.5K	39	3/4X3	
2008	20X6 8U	300	36	-	6	3/4	18-1/2	3/8	-	-	201R	179B	8	3/4X3C	
2009	-	100	36	12B19	-	-	-	-	-	-	26.5K	26.5K	15	3/4X3	
2010	-	100	36	14B22	-	-	-	-	-	-	26.5K	26.5K	-	-	
2011	-	100	36	12WF31	-	-	-	-	-	-	105L	201Q	12	3/4X3	
2012	-	100	36	14B22	-	-	-	-	-	-	342A	224A	12	3/4X4-1/2	
2013	-	100	36	12B16.5	-	-	-	-	-	-	26.5K	26.5K	-	-	
2014	-	100	36	12B16.5	-	-	-	-	-	-	26.5K	105L	15	3/4X4-1/2B	
2015	-	100	36	12B16.5	-	-	-	-	-	-	26.5K	26.5K	-	-	
2016	-	100	36	12B19	-	-	-	-	-	-	26.5K	26.5K	21	3/4X3	
2017	-	100	36	14WF43	-	-	-	-	-	-	106E	106E	39	3/4X3	
2018	-	100	36	16WF40	-	-	-	-	-	-	171A	241A	39	3/4X3	
2019	-	100	36	16WF36	-	-	-	-	-	-	26.5K	36.0K	8	3/4X3	
2020	-	100	36	12B19	-	-	-	-	-	-	26.5K	26.5K	-	-	
2021	-	100	50	16B31	-	-	-	-	-	-	106K	106K	12	3/4X3B	
2022	-	100	36	8B13	-	-	-	-	-	-	17.4K	17.4K	11	3/4X3	
2023	-	100	36	12B16.5	-	-	-	-	-	-	26.5K	105L	16	3/4X3	
2024	-	100	36	16WF40	-	-	-	-	-	-	374A	26.5K	39	3/4X3	
2025	-	100	36	16WF36	-	-	-	-	-	-	374A	26.5K	12	3/4X4-1/2C	
2026	-	100	36	8B13	-	-	-	-	-	-	17.4K	17.4K	12	3/4X3	
2027	-	100	36	16B26	-	-	-	-	-	-	203B	342A	28	3/4X3	
2028	16X4 8X	200	50	-	2-1/2	3/8	16	3/4	-	-	274C	296D	-	-	
2029	-	100	36	12B16.5	-	-	-	-	-	-	26.5K	26.5K	-	-	1
2030	-	100	36	12B16.5	-	-	-	-	-	-	26.5K	26.5K	-	-	1
2031	-	100	36	12B16.5	-	-	-	-	-	-	26.5K	26.5K	-	-	1
2032	-	100	36	8B13	-	-	-	-	-	-	17.4K	481A	-	-	
2033	-	100	36	12WF27	-	-	-	-	-	-	26.5K	26.5K	-	-	

REMARKS

1. AT FLOOR 106 TOWERS **A&B** USE STUDS 16-3/4X3

SKILLING, HELLE, CHRISTIANSEN, ROBERTSON

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PROJECT		THE WORLD TRADE CENTER			TITLE		BEAM SCHEDULE TOWERS A AND B					DATE		08/15/69	
BEAM NO.	SIZE	TYPE	FY	SHAPE	PLATE 1		PLATE 2		DIMENSIONS		SUPPORTS		STUDS		REMARKS
					WIDTH	THICK	WIDTH	THICK	LENGTH	DIM. A	LEFT	RIGHT	NO.	SIZE	
2034	-	100	36	16WF36	-	-	-	-	-	-	111M	26.5K	30	3/4X3	
2035	-	100	36	8B13	-	-	-	-	-	-	17.4K	17.4K	-	-	
2036	16X5-1/28X	201	36	-	4	3/8	16	3/4	-	-	450	450	-	-	
2037	-	100	36	16B31	-	-	-	-	-	-	475A	26.5K	-	-	
2038	-	100	36	14B22	-	-	-	-	-	-	224A	342A	19	3/4X3	
2039	-	100	36	16WF36	-	-	-	-	-	-	106E	106E	39	3/4X3	
2040	-	100	50	16WF36	-	-	-	-	-	-	106F	215B	-	-	X
2041	-	100	36	16WF36	-	-	-	-	-	-	170B	399A	19	3/4X3	
2042	-	100	36	16WF36	-	-	-	-	-	-	295A	26.5K	-	-	
2043	-	100	36	14B22	-	-	-	-	-	-	342A	26.5K	19	3/4X3	
2044	-	100	36	8B13	-	-	-	-	-	-	481A	105C	11	3/4X3	
2045	16X4-1/2	200	36	-	2-1/2	3/8	16	3/4	-	-	372A	210A	-	-	
2046	-	100	36	14B22	-	-	-	-	-	-	17.4K	203B	11	3/4X3	
2047	-	100	36	9CH13.4	-	-	-	-	-	-	17.4K	17.4K	-	-	
2048	-	100	36	14B26	-	-	-	-	-	-	266A	357G	19	3/4X3	
2049	-	100	36	14B22	-	-	-	-	-	-	342A	266A	8	3/4X3	
2050	-	100	36	16WF36	-	-	-	-	-	-	399A	26.5K	20	3/4X3	
2051	-	100	36	16WF36	-	-	-	-	-	-	208D	352A	8	3/4X3	
2052	-	100	36	14B22	-	-	-	-	-	-	26.5K	201S	20	3/4X3	
2053	-	100	36	16B26	-	-	-	-	-	-	346A	201S	8	3/4X3	
2054	-	100	36	12B19	-	-	-	-	-	-	26.5K	105L	-	-	
2055	-	100	36	12B16.5	-	-	-	-	-	-	26.5K	26.5K	15	3/4X3	
2056	-	100	36	14B22	-	-	-	-	-	-	26.5K	26.5K	24	3/4X3	
2057	-	100	36	14B22	-	-	-	-	-	-	26.5K	26.5K	19	3/4X3	
2058	-	100	36	12WF31	-	-	-	-	-	-	357B	201Q	12	3/4X3	
2059	-	100	36	14B22	-	-	-	-	-	-	111P	266A	19	3/4X3	
2060	-	100	36	14B22	-	-	-	-	-	-	26.5K	26.5K	24	3/4X3	
2061	-	100	36	12WF27	-	-	-	-	-	-	26.5K	26.5K	-	-	1
2062	-	100	36	12WF27	-	-	-	-	-	-	201Q	105L	13	3/4X4-1/2	
2063	-	100	36	12B16.5	-	-	-	-	-	-	105L	105L	15	3/4X4-1/2	1
2064	-	100	36	12WF27	-	-	-	-	-	-	111H	111H	12	3/4X4-1/2	1
2065	-	100	36	12B16.5	-	-	-	-	-	-	26.5K	105L	15	3/4X4-1/2B	
2066	-	100	36	12B16.5	-	-	-	-	-	-	26.5K	26.5K	15	3/4X3	

REMARKS

1. AT FLOOR 106 **TOWERS A&B** USE STUDS 16-3/4X3

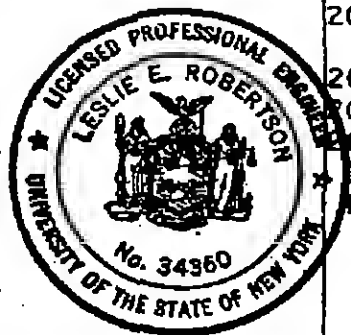
SKILLING, HELLE, CHRISTIANSEN, ROBERTSON

Structural & Civil Engineers

PROJECT					TITLE						DATE				
THE WORLD TRADE CENTER					BEAM SCHEDULE TOWERS A AND B						9/30/69				
BEAM NO.	SIZE	TYPE	FY	SHAPE	PLATE 1		PLATE 2		DIMENSIONS		SUPPORTS		STUDS		REMARKS
					WIDTH	THICK	WIDTH	THICK	LENGTH	DIM. A	LEFT	RIGHT	NO.	SIZE	
2067	-	100	36	8B13	-	-	-	-	-	-	17.4K	17.4K	11	3/4X3	
2068	-	100	36	12B19	-	-	-	-	-	-	26.5K	26.5K	-	-	
2069	-	100	36	8B13	-	-	-	-	-	-	17.4K	17.4K	8	3/4X3	
2070	-	100	36	12B16.5	-	-	-	-	-	-	26.5K	26.5K	15	3/4X3	
2071	-	100	36	16B31	-	-	-	-	-	-	106K	106K	39	3/4X3	
2072	-	100	36	8B13	-	-	-	-	-	-	17.4K	17.4K	16	5/8X2	
2073	16X4 BX	200	36	-	2-1/2	3/8	16	3/4	-	-	274C	296D	-	-	X
2074	-	100	36	14B22	-	-	-	-	-	-	26.5K	26.5K	19	3/4X3	
2075	-	100	36	14B22	-	-	-	-	-	-	26.5K	26.5K	19	3/4X3	
2076	-	100	36	14B22	-	-	-	-	-	-	342A	224A	25	3/4X3	
2077	-	100	36	16B26	-	-	-	-	-	-	111P	201P	12	3/4X3	
2078	-	100	36	16WF36	-	-	-	-	-	-	26.5K	26.5K	8	3/4X3	
2079	-	100	36	16B26	-	-	-	-	-	-	26.5K	201P	12	3/4X3C	2,3
2080	-	100	36	16WF40	-	-	-	-	-	-	26.5K	374A	39	3/4X3	
2081	-	100	36	16B26	-	-	-	-	-	-	216C	342A	28	3/4X3	
2082	-	100	36	16WF40	-	-	-	-	-	-	374A	171A	39	3/4X3H	
2083	-	100	36	16WF36	-	-	-	-	-	-	374A	26.5K	12	3/4X4-1/2C	
2084	-	100	36	16WF45	-	-	-	-	-	-	106F	106E	39	3/4X3	
2085	-	100	36	14WF43	-	-	-	-	-	-	106E	106E	39	3/4X3	
2086	-	100	36	16WF40	-	-	-	-	-	-	266A	106F	42	3/4X3	
2087	-	100	36	16WF40	-	-	-	-	-	-	106F	106E	39	3/4X3	
2088	-	100	36	16WF36	-	-	-	-	-	-	106E	106E	8	3/4X3	
2089	-	100	36	14B22	-	-	-	-	-	-	342A	342A	8	3/4X3	
2090	-	100	36	16B26	-	-	-	-	-	-	203B	216C	19	3/4X3	
2091	16X5-1/2BX	201	36	-	4	3/8	16	3/4	-	-	296A	296A	-	-	
2092	-	100	36	9CH13.4	-	-	-	-	-	-	517A	501A	-	-	
2093	-	100	36	9CH13.4	-	-	-	-	-	-	501A	517B	-	-	
2094	-	100	36	8B13	-	-	-	-	-	-	17.4K	504A	-	-	
2095	-	100	36	8B13	-	-	-	-	-	-	504A	17.4K	-	-	
2096	-	100	36	8B13	-	-	-	-	-	-	105H	105H	-	-	
2097	-	100	36	8B13	-	-	-	-	-	-	283W	283W	-	-	
2098	-	100	36	12B19	-	-	-	-	-	-	501A	105L	-	-	
2099	-	100	36	12B19	-	-	-	-	-	-	501A	501A	-	-	1

REMARKS

- 1 DETAIL 507 INTERMEDIATE SUPPORT OF BEAM
- 2 RIGHT CONNECTION AT FLOOR 105, 201S
- 3 RIGHT CONNECTION AT FLOOR 106, 26.5K STD.



SKILLING-HELLE-CHRISTIANSEN-ROBERTSON

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PROJECT THE WORLD TRADE CENTER

TITLE

BEAM SCHEDULE TOWERS A AND B

DATE

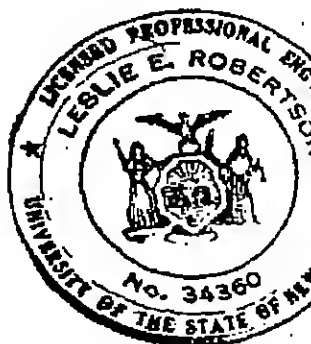
1/22/68

REVISIONS

BEAM NO.	SIZE	TYPE	FY	SHAPE	PLATE 1		PLATE 2		DIMENSIONS		SUPPORTS		STUDS		REMARKS
					WIDTH	THICK	WIDTH	THICK	LENGTH	DIM. A	LEFT	RIGHT	NO.	SIZE	
2100	-	100	36	14B22	-	-	-	-	-	-	105H	283U	-	-	
2101	-	100	36	9CH13.4	-	-	-	-	-	-	501A	501A	-	-	
2102	-	100	36	9CH13.4	-	-	-	-	-	-	501A	17.4K	-	-	
2103	-	100	36	16B31	-	-	-	-	-	-	28.4K	26.5K	24	3/4X3	
2104	16X4 BX	200	36	-	2-1/2	3/8	16	3/4	-	-	274C	296D	-	-	
2105	-	100	50	16WF50	-	-	-	-	-	-	106E	106E	47	3/4X3	X
2106	-	404	36	18WF50	-	-	-	-	-	-	274D	61.3K	26	3/4X3	
2108	16X7 WF	400	36	16WF36	6	3/4	-	-	23FT 6	1FT 6	374B	171A	40	3/4X3H	
2109	-	100	36	18WF45	-	-	-	-	-	-	374B	26.5K	12	3/4X4-1/2C	
2110	-	100	36	16WF45	-	-	-	-	-	-	106F	106E	39	3/4X3	
2111	-	100	36	16WF58	-	-	-	-	-	-	53.0K	456D	-	-	
2112	-	100	36	16WF58	-	-	-	-	-	-	53.0K	53.0K	-	-	
2113	38X7 BU	301	36	-	7	1- 1/2	35	3/4	-	-	242A	171B	-	-	1
2114	-	100	36	18WF45	-	-	-	-	-	-	242A	26.5K	12	3/4X4-1/2C	
2115	-	100	36	16WF45	-	-	-	-	-	-	106F	106E	47	3/4X3	
2116	27X6 BU	300	36	-	6	1- 1/4	24-1/2	5/8	-	-	278A	105E	-	-	
2117	-	100	36	16WF58	-	-	-	-	-	-	456C	53.0K	-	-	
2118	27X7 BU	300	36	-	7	1- 1/4	24-1/2	3/4	-	-	174B	479A	-	-	
2119	33X6 BU	306	36	-	6	1- 1/8	30-3/4	5/8	-	-	44.2K	105E	-	-	2
2120	-	100	36	24WF68	-	-	-	-	-	-	106P	106P	-	-	
2121	-	100	36	24WF68	-	-	-	-	-	-	106P	106P	39	3/4X3	
2122	-	100	36	8B13	-	-	-	-	-	-	17.4K	17.4K	-	-	
2123	-	100	36	16WF45	-	-	-	-	-	-	106F	106E	54	3/4X3	
2124	-	100	36	14WF53	-	-	-	-	-	-	106E	106E	50	3/4X3	
2125	-	100	36	12B16.5	-	-	-	-	-	-	105K	26.5K	12	3/4X4-1/2C	
2126	-	100	36	12B16.5	-	-	-	-	-	-	26.5K	105L	15	3/4X4-1/2B	
2127	-	100	36	12B16.5	-	-	-	-	-	-	26.5K	26.5K	15	3/4X3	
2128	-	100	36	14B22	-	-	-	-	-	-	105K	105L	16	3/4X3	
2129	-	100	36	8B13	-	-	-	-	-	-	17.4K	17.4K	9	3/4X3	
2130	-	100	36	12B19	-	-	-	-	-	-	26.5K	105L	13	3/4X3	
2131	-	100	36	16WF40	-	-	-	-	-	-	106F	106E	39	3/4X3	
2132	-	100	36	12B16.5	-	-	-	-	-	-	105L	26.5K	13	3/4X4-1/2C	
2133	-	100	36	12B16.5	-	-	-	-	-	-	26.5K	26.5K	13	3/4X3	

REMARKS

- 1 REINF. PLATES 4FT-11 X 3/4
- 2 REINF. PLATES 3FT 6 X 1-1/8



SKILLING, HELLE, CHRISTIANSEN, ROBERTSON

Structural & Civil Engineers

PROJECT

THE WORLD TRADE CENTER

TITLE

BEAM SCHEDULE TOWERS A AND B

DATE

08/15/69

REVISIONS

BEAM NO.	SIZE	TYPE	FY	SHAPE	PLATE 1		PLATE 2		DIMENSIONS		SUPPORTS		STUDS		REMARKS
					WIDTH	THICK	WIDTH	THICK	LENGTH	DIM. A	LEFT	RIGHT	NO.	SIZE	
2134	-	100	36	14WF43	-	-	-	-	-	-	106E	106E	42	3/4X3	
2135	-	100	36	16WF40	-	-	-	-	-	-	106E	111A	44	3/4X3	
2136	-	400	36	16WF40	6	3/4	-	-	-	-	106E	260A	44	3/4X3	
2137	-	100	36	14WF43	-	-	-	-	-	-	106E	106E	41	3/4X3	
2138	-	100	36	16WF45	-	-	-	-	-	-	106F	106E	41	3/4X3	
2139	-	100	36	16WF36	-	-	-	-	-	-	111M	26.5K	12	3/4X4-1/2C	X
2140	-	100	36	12B16.5	-	-	-	-	-	-	26.5K	105L	15	3/4X4-1/2B	1
2141	-	100	36	12B16.5	-	-	-	-	-	-	26.5K	26.5K	-	-	1
2142	-	100	36	16WF45	-	-	-	-	-	-	106F	106E	48	3/4X3	
2143	-	100	36	14WF43	-	-	-	-	-	-	106E	106E	47	3/4X3	
2144	-	100	36	14B22	-	-	-	-	-	-	105K	105L	20	3/4X3	
2145	-	100	36	8B13	-	-	-	-	-	-	17.4K	17.4K	-	-	
2146	-	100	36	16WF40	-	-	-	-	-	-	106E	314C	43	3/4X3	
2147	-	100	36	12B19	-	-	-	-	-	-	26.5K	105L	15	3/4X3B	
2148	-	100	36	16WF40	-	-	-	-	-	-	106F	106E	39	3/4X3	
2149	-	100	36	14B22	-	-	-	-	-	-	105K	105L	15	3/4X3	
2150	-	100	36	12B16.5	-	-	-	-	-	-	26.5K	26.5K	-	-	
2151	-	100	36	16WF40	-	-	-	-	-	-	106E	106E	43	3/4X3	
2152	-	100	36	14WF43	-	-	-	-	-	-	106E	106E	39	3/4X3	
2153	-	100	50	12WF31	-	-	-	-	-	-	105L	201Q	12	3/4X3	
2154	-	100	50	12B19	-	-	-	-	-	-	26.5K	26.5K	30	3/4X3	1
2155	-	100	36	16B26	-	-	-	-	-	-	105L	201Q	24	3/4X3	
2156	-	100	50	12B19	-	-	-	-	-	-	26.5K	26.5K	30	3/4X3	
2157	-	100	50	12B19	-	-	-	-	-	-	26.5K	26.5K	30	3/4X3	
2158	-	100	36	16B31	-	-	-	-	-	-	106K	106L	34	3/4X3	
2159	-	100	50	12B16.5	-	-	-	-	-	-	26.5K	26.5K	22	3/4X3	
2160	-	100	50	16B31	-	-	-	-	-	-	26.5K	26.5K	48	3/4X3	
2161	-	100	36	12B19	-	-	-	-	-	-	26.5K	105L	-	-	
2162	-	100	36	12B16.5	-	-	-	-	-	-	105L	201Q	15	3/4X4-1/2	
2163	-	100	36	30WF99	-	-	-	-	-	-	105E	105E	-	-	
2164	-	100	36	15CH40.0	-	-	-	-	-	-	290A	290A	-	-	
2165	-	100	36	16WF36	-	-	-	-	-	-	26.5K	111A	34	3/4X3	
2166	-	100	36	8B13	-	-	-	-	-	-	17.4K	17.4K	-	-	

REMARKS

1. AT FLOOR 106 **TOWERS A&B** USE STUDS 16-3/4X3

SKILLING-HELLE-CHRISTIANSEN-ROBERTSON

Civil & Structural Engineers

PROJECT		THE WORLD TRADE CENTER			TITLE		BEAM SCHEDULE TOWERS A AND B					DATE		1/22/68	
BEAM NO.	SIZE	TYPE	FY	SHAPE	PLATE 1		PLATE 2		DIMENSIONS		SUPPORTS		STUDS		REMARKS
					WIDTH	THICK	WIDTH	THICK	LENGTH	DIM. A	LEFT	RIGHT	NO.	SIZE	
2167	16X4 BX	200	36	-	2-1/2	3/8	16	3/4	-	-	372A	210A	-	-	
2168	16X7WF	400	36	16WF36	6	3/4	-	-	23FT 6	1FT 6	171A	374A	44	3/4X3	
2169	-	100	36	16WF40	-	-	-	-	-	-	374A	26.5K	44	3/4X3	
2170	-	100	50	16WF50	-	-	-	-	-	-	106E	106E	47	3/4X3	
2171	-	402	36	16WF36	6	1/2	-	-	20FT 6	-	106E	215B	30	5/8X2C	
2172	18X4 BX	200	36	-	2-1/2	3/8	18	3/4	-	-	274D	296D	-	-	
2173	-	100	36	16WF36	-	-	-	-	-	-	295A	26.5K	-	-	
2174	20X6 BU	300	36	-	6	3/4	18-1/2	3/8	-	-	201R	179B	6	3/4X3C	
2175	-	100	50	16B31	-	-	-	-	-	-	106K	106K	12	3/4X3B	
2176	-	100	50	14B22	-	-	-	-	-	-	26.5K	105L	8	3/4X3B	
2177	-	100	36	8B13	-	-	-	-	-	-	17.4K	17.4K	16	5/8X2	
2178	-	100	50	12B19	-	-	-	-	-	-	26.5K	26.5K	36	5/8X2	
2179	-	100	36	30WF108	-	-	-	-	-	-	35.3K	295	-	-	
2180	33X6 BU	306	36	-	6	1- 1/8	30-3/4	5/8	-	-	44.2K	105E	-	-	4
2181	25X6 BU	306	36	-	6	1- 1/8	22-3/4	7/8	-	-	44.2K	105E	-	-	4
2182	25X6 BU	300	36	-	6	1- 1/4	22-1/2	1/2	-	-	278A	105E	-	-	
2183	-	100	36	16WF36	-	-	-	-	-	-	374A	26.5K	15	3/4X3C	
2184	20X7 BU	300	36	-	7	1- 1/4	17-1/2	1/2	-	-	242B	26.5K	12	3/4X3C	
2185	-	100	36	16WF36	-	-	-	-	-	-	26.5K	26.5K	-	-	
2186	-	100	36	16WF36	-	-	-	-	-	-	303A	205I	-	-	3
2187	-	100	36	12B16.5	-	-	-	-	-	-	26.5K	26.5K	-	-	
2188	30X9 BX	251	36	-	9	1	28	3/8	-	-	347B	264A	-	-	
2189	30X9 BX	251	36	-	9	1	28	3/8	-	-	248A	347B	-	-	
2190	-	100	50	12CH50.0	-	-	-	-	-	-	226A	248A	-	-	
2191	-	100	36	15CH40.0	-	-	-	-	-	-	264A	426A	-	-	
2192	-	100	50	12CH50.0	-	-	-	-	-	-	311D	226A	-	-	
2193	-	100	36	16WF40	-	-	-	-	-	-	401A	401A	-	-	
2194	-	100	36	16WF40	-	-	-	-	-	-	205F	335C	-	-	2
2195	-	100	36	16B26	-	-	-	-	-	-	111P	201P	12	3/4X3	
2196	25X7 BU	300	36	-	7	1- 1/2	22	3/4	-	-	174B	35.3K	-	-	
2197	-	100	36	14B22	-	-	-	-	-	-	26.5K	26.5K	-	-	
2198	-	100	50	12B19	-	-	-	-	-	-	26.5K	105L	12	3/4X4-1/2B	
2199	-	100	36	14B22	-	-	-	-	-	-	105K	105L	8	3/4X3	

REMARKS

- 2 DETAIL 405 RIGHT END OF BEAM
- 3 DETAIL 507 RIGHT END OF BEAM
- 4 REINF. PLATES 3FT 6 X 1-1/8



SKILLING, HELLE, CHRISTIANSEN, ROBERTSON

Structural & Civil Engineers

PROJECT		THE WORLD TRADE CENTER			TITLE		BEAM SCHEDULE TOWERS A AND B					DATE		08/15/69	
BEAM NO.	SIZE	TYPE	FY	SHAPE	PLATE 1		PLATE 2		DIMENSIONS		SUPPORTS		STUDS		REMARKS
					WIDTH	THICK	WIDTH	THICK	LENGTH	DIM. A	LEFT	RIGHT	NO.	SIZE	
2200	-	100	36	16WF40	-	-	-	-	-	-	106F	215B	12	3/4X3C	
2201	-	100	50	12B16.5	-	-	-	-	-	-	105L	26.5K	15	3/4X4-1/2C	
2202	-	100	50	12B16.5	-	-	-	-	-	-	26.5K	26.5K	26	3/4X3	
2203	-	100	36	12B16.5	-	-	-	-	-	-	26.5K	26.5K	-	-	2
2204	-	100	36	12B16.5	-	-	-	-	-	-	26.5K	26.5K	-	-	2
2205	-	100	36	8B13	-	-	-	-	-	-	17.4K	17.4K	12	3/4X3	X
2206	-	100	50	8B13	-	-	-	-	-	-	17.4K	17.4K	-	-	
2207	-	100	36	8B13	-	-	-	-	-	-	17.4K	17.4K	-	-	
2208	-	100	36	8B13	-	-	-	-	-	-	17.4K	17.4K	-	-	
2209	-	100	36	8B13	-	-	-	-	-	-	17.4K	17.4K	-	-	
2210	-	100	50	10B15	-	-	-	-	-	-	17.4K	17.4K	16	3/4X3	
2211	-	100	50	16WF36	-	-	-	-	-	-	314C	106E	40	3/4X3	
2212	-	100	50	16WF40	-	-	-	-	-	-	106E	106E	45	3/4X3	
2213	-	100	50	14WF43	-	-	-	-	-	-	106E	106E	46	3/4X3	
2214	-	100	50	12B19	-	-	-	-	-	-	26.5K	105L	30	3/4X3	
2215	-	100	36	16WF40	-	-	-	-	-	-	106F	215B	12	3/4X3C	1
2216	-	100	36	12B16.5	-	-	-	-	-	-	105L	26.5K	15	3/4X4-1/2C	
2217	-	100	50	12B16.5	-	-	-	-	-	-	26.5K	26.5K	-	-	
2218	-	100	36	8B13	-	-	-	-	-	-	17.4K	17.4K	-	-	
2219	-	100	50	12B16.5	-	-	-	-	-	-	26.5K	26.5K	-	-	2
2220	-	100	50	14B22	-	-	-	-	-	-	105K	105L	8	3/4X3	
2221	-	100	50	16WF36	-	-	-	-	-	-	106E	106E	34	3/4X3	
2222	-	100	50	12B16.5	-	-	-	-	-	-	26.5K	105L	15	3/4X4-1/2B	
2223	-	100	50	14WF43	-	-	-	-	-	-	106E	106E	39	3/4X3	
2224	-	100	50	16WF36	-	-	-	-	-	-	111M	26.5K	12	3/4X3C	
2225	-	100	50	14WF43	-	-	-	-	-	-	106E	106E	26	3/4X3	
2226	-	100	50	16B31	-	-	-	-	-	-	106K	106L	40	3/4X3	
2227	-	100	50	16WF36	-	-	-	-	-	-	314C	106E	34	3/4X3	
2228	-	100	50	12CH50.0	-	-	-	-	-	-	226A	311C	-	-	
2229	-	100	36	15CH33.9	-	-	-	-	-	-	426A	421A	-	-	
2230	-	100	36	15CH33.9	-	-	-	-	-	-	290A	290A	-	-	
2231	-	100	36	15CH33.9	-	-	-	-	-	-	422A	426A	-	-	
2232	-	100	50	12CH50.0	-	-	-	-	-	-	311D	226A	-	-	
2233	-	100	50	12CH50.0	-	-	-	-	-	-	226A	311D	-	-	

REMARKS

1 BEAM FLOOR 100 ONLY TO HAVE
2-7 DIA SLEEVES B FROM THE TOP
FLANGE LOCATED AT 145 FT 0 AND
148 FT 0 RESPECTIVELY.

2 AT FLOOR 100 TOWERS A&B USE STUDS 16-3/4X3



SKILLING, HELLE, CHRISTIANSEN, ROBERTSON

Structural & Civil Engineers

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THE WORLD TRADE CENTER

TITLE

BEAM SCHEDULE TOWERS A AND B

DATE

08/15/69

REVISIONS

BEAM NO.	SIZE	TYPE	FY	SHAPE	PLATE 1		PLATE 2		DIMENSIONS		SUPPORTS		STUDS		REMARKS
					WIDTH	THICK	WIDTH	THICK	LENGTH	DIM. A	LEFT	RIGHT	NO.	SIZE	
2234	-	100	36	15CH33.9	-	-	-	-	-	-	426A	421A	-	-	
2235	-	100	36	15CH33.9	-	-	-	-	-	-	290A	290A	-	-	
2236	-	100	50	12CH45.0	-	-	-	-	-	-	426A	428A	-	-	
2237	-	100	50	12CH50.0	-	-	-	-	-	-	311D	226A	-	-	
2238	18X4 CH	507	50	18CH51.9	-	-	-	-	-	-	226A	243A	-	-	1
2239	12X4 CH	505	50	12CH50.0	2-7/8	3/4	-	-	12FT 4	1FT 0	440A	441A	-	-	X
2240	15X3-3/8CH	504	50	15CH40.0	2-1/2	1/2	-	-	26FT 0	1FT 0	243A	243B	-	-	2
2241	15X3-3/8CH	505	50	15CH40.0	2-1/2	1/2	-	-	26FT 1	1FT 0	243B	243A	-	-	3
2242	12X4 CH	505	50	12CH50.0	2-7/8	3/4	-	-	12FT 3	1FT 0	441B	440A	-	-	
2243	18X4 CH	500	50	18CH51.9	-	-	-	-	-	-	243A	226A	-	-	1
2244	18X4 CH	507	50	18CH51.9	-	-	-	-	-	-	226A	243A	-	-	1
2245	12X4 CH	505	50	12CH50.0	2-7/8	3/4	-	-	12FT 3	1FT 0	440A	441B	-	-	
2246	15X3-3/8CH	505	50	15CH40.0	2-1/2	1/2	-	-	26FT 1	1FT 0	243A	243B	-	-	2
2247	15X3-3/8CH	505	50	15CH40.0	2-1/2	1/2	-	-	26FT 0	1FT 0	243B	243A	-	-	3
2248	12X4 CH	505	50	12CH50.0	2-7/8	3/4	-	-	12FT 4	1FT 0	441A	440A	-	-	
2249	18X4 CH	500	50	18CH51.9	-	-	-	-	-	-	243A	226A	-	-	1
2250	-	100	36	14B22	-	-	-	-	-	-	26.5K	26.5K	22	3/4X3	
2251	-	100	36	16WF45	-	-	-	-	-	-	106E	106E	44	3/4X3	
2252	-	100	36	15CH40.0	-	-	-	-	-	-	290A	290A	-	-	
2253	-	100	36	16B31	-	-	-	-	-	-	111P	111P	-	-	
2254	-	100	36	12B16.5	-	-	-	-	-	-	26.5K	26.5K	-	-	4
2255	-	100	36	16WF36	-	-	-	-	-	-	419B	401A	-	-	
2256	-	100	50	12CH50.0	-	-	-	-	-	-	226A	248A	-	-	
2257	30X9 BX	251	36	-	9	1	28	3/8	-	-	248A	347B	-	-	
2258	30X9 BX	251	36	-	9	1- 1/2	27	3/8	-	-	347B	264A	-	-	
2259	-	100	50	12CH50.0	-	-	-	-	-	-	264A	428A	-	-	
2260	-	100	50	12CH50.0	-	-	-	-	-	-	311D	226A	-	-	
2261	25X7 BU	300	36	-	7	1- 1/2	22	3/4	-	-	479A	174B	-	-	
2262	-	100	36	14WF48	-	-	-	-	-	-	35.0K	35.0K	-	-	
2263	-	100	50	16WF45	-	-	-	-	-	-	106E	106E	49	3/4X3	
2264	-	100	36	8WF17	-	-	-	-	-	-	17.4K	17.4K	-	-	
2265	24X7 BU	300	36	-	7	1	22	3/4	-	-	35.3K	35.3K	-	-	
2266	-	100	36	16WF50	-	-	-	-	-	-	106K	106K	-	-	

REMARKS

- 1 REINF. PLATE 3FT 9 X 1
- 2 DETAIL 442A RIGHT END OF BEAM
- 3 DETAIL 442A LEFT END OF BEAM
- 4 AT FLOOR 106 TOWERS A&B USE STUDS 16-3/4X3



SKILLING, HELLE, CHRISTIANSEN, ROBERTSON

Structural & Civil Engineers

PROJECT

THE WORLD TRADE CENTER

TITLE

BEAM SCHEDULE TOWERS A AND B

DATE

08/15/69

REVISIONS

BEAM NO.	SIZE	TYPE	FY	SHAPE	PLATE 1		PLATE 2		DIMENSIONS		SUPPORTS		STUDS		REMARKS
					WIDTH	THICK	WIDTH	THICK	LENGTH	DIM. A	LEFT	RIGHT	NO.	SIZE	
2267	-	100	36	16WF36	-	-	-	-	-	-	292	26.5K	-	-	
2268	-	100	36	12B19	-	-	-	-	-	-	26.5K	212	-	-	
2269	-	100	36	15CH33.9	-	-	-	-	-	-	3110	290A	-	-	
2270	-	100	36	12B16.5	-	-	-	-	-	-	26.5K	26.5K	24	3/4X3	
2271	-	100	36	12B16.5	-	-	-	-	-	-	17.4K	481	-	-	
2272	-	100	36	16B26	-	-	-	-	-	-	26.5K	294D	-	-	X
2273	-	100	36	12WF36	-	-	-	-	-	-	26.5K	26.5K	-	-	
2274	-	100	36	8B13	-	-	-	-	-	-	17.4K	17.4K	-	-	
2275	-	100	50	16WF40	-	-	-	-	-	-	26.5K	26.5K	47	3/4X3H	
2276	-	100	50	16WF36	-	-	-	-	-	-	111M	26.5K	56	3/4X3	2
2277	-	100	50	16WF45	-	-	-	-	-	-	106F	106E	39	3/4X3	
2278	-	100	36	16B26	-	-	-	-	-	-	346A	201S	8	3/4X3	
2279	-	100	36	14B22	-	-	-	-	-	-	105K	105L	8	3/4X3	
2280	-	100	36	16WF40	-	-	-	-	-	-	266A	106F	8	3/4X3C	
2281	-	100	50	16WF40	-	-	-	-	-	-	106E	106E	39	3/4X3G	
2282	-	100	50	12B16.5	-	-	-	-	-	-	26.5K	26.5K	15	3/4X3	
2283	-	100	36	8B13	-	-	-	-	-	-	17.4K	17.4K	12	3/4X3	
2284	-	100	50	16WF40	-	-	-	-	-	-	106E	106E	62	3/4X3	
2285	-	100	50	14WF43	-	-	-	-	-	-	106E	106E	40	3/4X3	
2286	-	100	36	9CH13.4	-	-	-	-	-	-	517A	501A	-	-	
2287	-	100	36	8B13	-	-	-	-	-	-	17.7K	17.7K	-	-	
2288	-	100	36	9CH13.4	-	-	-	-	-	-	501A	517A	-	-	
2289	-	100	36	16WF36	-	-	-	-	-	-	170B	287G	15	3/4X3B	
2290	-	100	36	8B13	-	-	-	-	-	-	105H	105H	-	-	
2291	-	100	36	8B13	-	-	-	-	-	-	201T	201T	-	-	
2292	-	100	36	14B22	-	-	-	-	-	-	501A	105L	-	-	
2293	-	100	36	12B19	-	-	-	-	-	-	501A	501A	-	-	1
2294	-	100	36	14B22	-	-	-	-	-	-	501A	201S	-	-	
2295	-	100	36	9CH13.4	-	-	-	-	-	-	501A	501A	-	-	
2296	-	100	36	16WF40	-	-	-	-	-	-	238A	106F	8	3/4X3C	
2297	-	100	50	16B31	-	-	-	-	-	-	26.5K	26.5K	48	3/4X3	
2298	-	100	50	12B16.5	-	-	-	-	-	-	26.5K	26.5K	8	3/4X3	
2299	-	404	36	18WF50	-	-	-	-	-	-	26.5K	475A	26	3/4X3	

REMARKS

1. DETAIL 507 INTERMEDIATE SUPPORT OF BEAM
2. AT FLOOR 106 (TOWERS A&B) USE STUDS 16-3/4X3



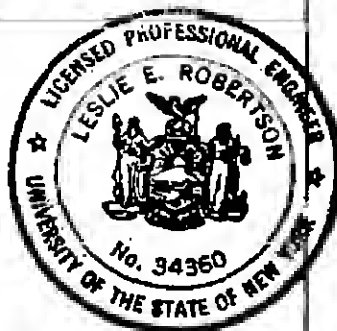
SKILLING-HELLE-CHRISTIANSEN-ROBERTSON

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PROJECT		THE WORLD TRADE CENTER				TITLE		BEAM SCHEDULE TOWERS A AND B				DATE		10/ 9/68	
BEAM NO.	SIZE	TYPE	FY	SHAPE	PLATE 1		PLATE 2		DIMENSIONS		SUPPORTS		STUDS		REMARKS
					WIDTH	THICK	WIDTH	THICK	LENGTH	DIM. A	LEFT	RIGHT	NO.	SIZE	
2300	18X5 BU	300	36	-	5	3/4	16-1/2	3/8	-	-	105B	105B	6	3/4X3B	
2301	18X4 BX	200	36	-	2-1/2	3/8	18	3/4	-	-	210A	210A	-	-	
2302	21X7 BU	300	36	-	7	1	19	3/8	-	-	106P	215D	8	3/4X3C	
2303	30X7 BU	300	36	-	7	1-1/2	27	7/8	-	-	295G	313J	28	3/4X3	2
2304	16X7 WF	400	36	16WF36	6	3/4	-	-	23FT 6	1FT 6	26.5K	26.5K	40	3/4X3	
2305	-	100	36	12WF27	-	-	-	-	-	-	26.5K	26.5K	-	-	
2306	-	100	50	18WF45	-	-	-	-	-	-	105N	26.5K	12	3/4X3C	
2307	-	100	50	12B14	-	-	-	-	-	-	26.5K	105L	15	3/4X3C	
2308	-	100	50	12B16.5	-	-	-	-	-	-	105L	26.5K	15	3/4X3C	
2309	-	100	36	8B13	-	-	-	-	-	-	17.4K	17.4K	-	-	
2310	-	100	36	18WF45	-	-	-	-	-	-	456D	26.5K	-	-	4
2311	-	100	36	16WF36	-	-	-	-	-	-	352B	287E	39	3/4X3J	
2312	-	100	50	16B31	-	-	-	-	-	-	106K	106K	30	3/4X3	
2313	-	100	50	16B31	-	-	-	-	-	-	106K	106L	48	3/4X3	
2314	-	100	36	14B22	-	-	-	-	-	-	26.5K	201S	20	3/4X3	
2315	-	404	36	16WF45	-	-	-	-	-	-	26.5K	26.5K	26	3/4X3	
2316	-	100	50	12B19	-	-	-	-	-	-	26.5K	26.5K	36	5/8X2	
2317	-	100	36	8B13	-	-	-	-	-	-	17.4K	17.4K	16	5/8X2	
2318	-	100	36	16WF36	-	-	-	-	-	-	26.5K	287E	39	3/4X3J	
2319	-	100	36	12B16.5	-	-	-	-	-	-	26.5K	170A	13	3/4X3	
2320	-	100	36	12B19	-	-	-	-	-	-	26.5K	170A	-	-	
2321	-	100	36	18WF45	-	-	-	-	-	-	456C	26.5K	-	-	
2322	-	100	36	18WF45	-	-	-	-	-	-	456B	26.5K	-	-	
2323	24X6 BU	300	36	-	6	1- 1/2	21	5/8	-	-	179D	398C	-	-	
2324	-	100	36	18WF45	-	-	-	-	-	-	53.0K	53.0K	-	-	
2325	24X6 BU	300	36	-	6	1- 1/4	21-1/2	1/2	-	-	201R	201R	-	-	
2326	30X7 BU	300	36	-	7	1	28	5/8	-	-	106P	215C	12	3/4X3B	
2327	21X7 BU	300	36	-	7	1- 3/4	17-1/2	3/4	-	-	259G	26.5K	-	-	3
2328	24X7 BU	300	36	-	7	1- 1/2	21	3/4	-	-	53.0K	53.0K	-	-	
2329	38X7 BU	301	36	-	7	1- 3/4	34-1/2	3/4	-	-	35.3K	35.3K	20	3/4X3	1
2330	20X7 BU	300	36	-	7	3/4	18-1/2	3/8	-	-	105E	26.5K	12	3/4X3C	
2331	20X6 BU	300	36	-	6	1	18	3/8	-	-	201R	179B	6	3/4X3C	
2332	-	100	50	16WF36	-	-	-	-	-	-	106E	106F	39	3/4X3	
2333	-	100	36	16B31	-	-	-	-	-	-	106K	106K	12	3/4X3	

REMARKS

- 1 REINF. PLATES 4FT-8 X 3/4
- 2 DETAIL 204F INTERMEDIATE SUPPORT OF BEAM
- 3 DETAIL 204C INTERMEDIATE SUPPORT OF BEAM AT COL. 903 AND 904
- 4 DETAIL 456E LEFT END OF BEAM



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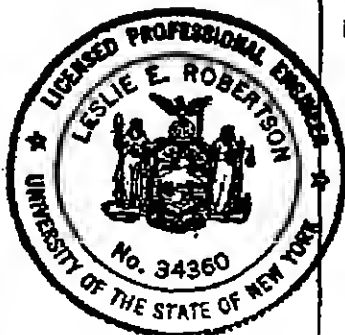
PROJECT	TITLE	DATE
THE WORLD TRADE CENTER	BEAM SCHEDULE TOWERS A AND B	9/30/69

REVISIONS

BEAM NO.	SIZE	TYPE	FY	SHAPE	PLATE 1		PLATE 2		DIMENSIONS		SUPPORTS		STUDS		REMARKS
					WIDTH	THICK	WIDTH	THICK	LENGTH	DIM. A	LEFT	RIGHT	NO.	SIZE	
2334	-	100	36	12B19	-	-	-	-	-	-	26.5K	26.5K	36	5/8X2	
2335	-	100	36	21WF55	-	-	-	-	-	-	263A	263A	-	-	
2336	-	100	36	21WF55	-	-	-	-	-	-	263A	263A	-	-	
2337	-	100	36	21WF55	-	-	-	-	-	-	35.3K	35.3K	-	-	
2338	-	100	36	8B13	-	-	-	-	-	-	17.4K	17.4K	-	-	
2339	-	100	50	12B16.5	-	-	-	-	-	-	105L	26.5K	12	3/4X4-1/2C	
2340	-	100	50	12B16.5	-	-	-	-	-	-	26.5K	26.5K	26	3/4X3	
2341	-	100	50	12B16.5	-	-	-	-	-	-	26.5K	105L	6	3/4X3B	
2342	-	100	50	16WF36	-	-	-	-	-	-	201S	179A	10	3/4X3C	4
2343	-	100	36	16WF40	-	-	-	-	-	-	295A	26.5K	8	3/4X3B	
2344	-	100	50	12B19	-	-	-	-	-	-	26.5K	105L	12	3/4X4-1/2B	
2345	-	100	50	12B19	-	-	-	-	-	-	26.5K	26.5K	30	3/4X3	
2346	-	100	50	12B19	-	-	-	-	-	-	170A	105L	30	3/4X3	
2347	-	100	50	12B19	-	-	-	-	-	-	26.5K	26.5K	30	3/4X3	
2348	-	100	36	8B13	-	-	-	-	-	-	105H	105H	12	3/4X4-1/2	
2349	-	100	36	8B13	-	-	-	-	-	-	17.4K	17.4K	12	3/4X3	
2350	-	100	36	8B13	-	-	-	-	-	-	17.4K	17.4K	12	3/4X3	
2351	-	100	36	8B13	-	-	-	-	-	-	201T	201T	12	3/4X3	
2352	-	100	50	14WF43	-	-	-	-	-	-	106E	106E	47	3/4X3	
2353	-	100	50	16WF36	-	-	-	-	-	-	106E	106F	47	3/4X3	
2354	-	100	36	16B31	-	-	-	-	-	-	106K	106K	8	3/4X3B	
2355	-	100	50	16WF40	-	-	-	-	-	-	314C	106E	49	3/4X3	
2356	-	100	50	16WF40	-	-	-	-	-	-	106E	106E	49	3/4X3	
2357	-	100	50	16WF40	-	-	-	-	-	-	106E	106E	49	3/4X3	
2358	-	404	50	16WF40	-	-	-	-	-	-	106E	106E	49	3/4X3	
2359	-	100	36	16WF36	-	-	-	-	-	-	170B	398B	-	-	
2360	-	100	50	14WF43	-	-	-	-	-	-	106E	106E	49	3/4X3	
2361	-	100	50	16WF40	-	-	-	-	-	-	106E	215B	12	3/4X3C	3
2362	-	100	36	16WF40	-	-	-	-	-	-	-	-	-	-	
2363	-	100	36	16B26	-	-	-	-	-	-	26.5K	170B	24	3/4X3	
2364	-	100	36	10WF21	-	-	-	-	-	-	283R	17.4K	-	-	1
2365	-	100	36	10WF21	-	-	-	-	-	-	17.4K	283R	-	-	2

REMARKS

- 1 ONE SIDED ANGLE CONNECTION RIGHT END OF BEAM
- 2 ONE SIDED ANGLE CONNECTION LEFT END OF BEAM
- 3 BEAM 2361 AT FLOOR 103 ONLY TO HAVE
6IN DIA SLEEVE AT 140FT 0 AND 7IN DIA SLEEVE
AT 142FT 3 BOTH 7IN BELOW TOP FLANGE TO
CENTER LINE OF SLEEVE.
- 4 LEFT CONNECTION AT FLOOR 106, 203D



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THE WORLD TRADE CENTER

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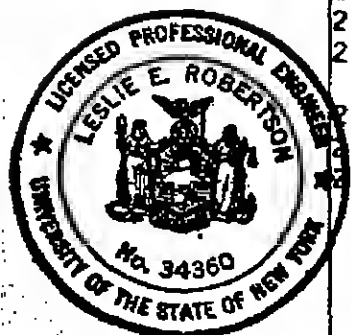
BEAM SCHEDULE TOWERS A AND B

DATE

9/30/69

REVISIONS

BEAM NO.	SIZE	TYPE	FY	SHAPE	PLATE 1		PLATE 2		DIMENSIONS		SUPPORTS		STUDS		REMARKS
					WIDTH	THICK	WIDTH	THICK	LENGTH	DIM. A	LEFT	RIGHT	NO.	SIZE	
2367	-	100	36	16WF36	-	-	-	-	-	-	26.5K	287	39	3/4X3	
2368	-	100	36	8B13	-	-	-	-	-	-	484	17.4K	-	-	
2369	-	100	36	12WF36	-	-	-	-	-	-	105L	105L	-	-	
2370	-	100	50	16WF36	-	-	-	-	-	-	106E	106F	39	3/4X3	
2371	-	100	36	8B13	-	-	-	-	-	-	105H	105H	12	3/4X4-1/2	
2372	-	100	36	8B13	-	-	-	-	-	-	17.4K	17.4K	12	3/4X3	X
2373	-	100	36	8B13	-	-	-	-	-	-	17.4K	17.4K	12	3/4X3	
2374	-	100	36	8B13	-	-	-	-	-	-	201T	201T	12	3/4X3	
2375	-	100	36	16B31	-	-	-	-	-	-	106K	106K	8	3/4X3B	
2376	-	100	50	16WF40	-	-	-	-	-	-	26.5K	26.5K	62	3/4X3	
2377	-	100	50	12B19	-	-	-	-	-	-	26.5K	105L	12	3/4X4-1/2B	
2378	-	100	50	12B19	-	-	-	-	-	-	26.5K	26.5K	30	3/4X3	
2379	-	100	50	12B19	-	-	-	-	-	-	26.5K	26.5K	30	3/4X3	
2380	-	100	50	12B19	-	-	-	-	-	-	170A	105L	30	3/4X3	
2381	-	100	50	16WF36	-	-	-	-	-	-	106E	215B	8	3/4X3C	
2382	-	100	50	16WF45	-	-	-	-	-	-	106E	106E	49	3/4X3	
2383	-	100	36	16WF40	-	-	-	-	-	-	295A	26.5K	-	-	
2384	-	100	50	12B19	-	-	-	-	-	-	26.5K	26.5K	30	3/4X3	
2385	-	100	36	12B19	-	-	-	-	-	-	26.5K	26.5K	-	-	
2386	-	100	50	12B19	-	-	-	-	-	-	17.4K	17.4K	-	-	
2387	-	100	50	12B19	-	-	-	-	-	-	26.5K	26.5K	-	-	
2388	-	100	36	8B13	-	-	-	-	-	-	481	201	12	3/4X3	
2389	-	100	36	14B22	-	-	-	-	-	-	111P	111P	12	3/4X3	
2390	-	100	50	12B16.5	-	-	-	-	-	-	26.5K	507	26	3/4X3	
2391	-	100	50	12B16.5	-	-	-	-	-	-	105	201	26	3/4X3	
2392	-	100	50	12B16.5	-	-	-	-	-	-	26.5K	507	26	3/4X3	
2393	-	100	50	12WF45	-	-	-	-	-	-	105	201	40	3/4X3	
2394	-	100	50	10B15	-	-	-	-	-	-	17.4K	17.4K	22	3/4X3	
2395	-	100	50	14B22	-	-	-	-	-	-	342	224	34	3/4X3	
2396	-	100	50	14B22	-	-	-	-	-	-	342	224	34	3/4X3	
2397	-	100	50	12B16.5	-	-	-	-	-	-	26.5K	506	26	3/4X3	
2398	-	100	50	12WF31	-	-	-	-	-	-	201	105	40	3/4X3	
2399	-	100	36	12WF27	-	-	-	-	-	-	26.5K	507	-	-	



SKILLING-HELLE-CHRISTIANSEN-ROBERTSON

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PROJECT

THE WORLD TRADE CENTER

TITLE

BEAM SCHEDULE TOWERS A AND B

DATE

07/11/69

REVISIONS

BEAM NO.	SIZE	TYPE	FY	SHAPE	PLATE 1		PLATE 2		DIMENSIONS		SUPPORTS		STUDS		REMARKS
					WIDTH	THICK	WIDTH	THICK	LENGTH	DIM. A	LEFT	RIGHT	NO.	SIZE	
2400	-	100	50	14B22	-	-	-	-	-	-	201	201	34	3/4X3	
2401	-	100	50	12B16.5	-	-	-	-	-	-	26.5K	507	26	3/4X3	
2402	-	100	50	12B16.5	-	-	-	-	-	-	26.5K	507	26	3/4X3	
2403	-	100	50	12B16.5	-	-	-	-	-	-	26.5K	26.5K	26	3/4X3	
2404	-	100	50	12B16.5	-	-	-	-	-	-	26.5K	105	26	3/4X3	
2405	-	100	50	16B31	-	-	-	-	-	-	105	26.5K	26	3/4X3	
2406	-	100	50	12B16.5	-	-	-	-	-	-	26.5K	26.5K	26	3/4X3	
2407	-	100	50	16B26	-	-	-	-	-	-	26.5K	105	40	3/4X3	
2408	-	100	50	16B31	-	-	-	-	-	-	26.5K	26.5K	15	3/4X3C	
2409	-	100	50	16B26	-	-	-	-	-	-	203	342	40	3/4X3	
2410	-	100	50	16B26	-	-	-	-	-	-	216	342	40	3/4X3	
2411	-	100	36	16WF36	-	-	-	-	-	-	105	26.5K	30	3/4X3	
2412	-	100	50	16B26	-	-	-	-	-	-	26.5K	26.5K	15	3/4X3C	
2413	-	100	50	12B16.5	-	-	-	-	-	-	26.5K	26.5K	26	3/4X3	
2414	-	100	50	16WF36	-	-	-	-	-	-	105	26.5K	12	3/4X3C	
2415	-	100	50	12B16.5	-	-	-	-	-	-	26.5K	105	26	3/4X3	
2416	-	100	50	12B16.5	-	-	-	-	-	-	26.5K	26.5K	26	3/4X3	
2417	-	100	36	8B13	-	-	-	-	-	-	17.4K	17.4K	12	3/4X3	
2418	-	100	36	8B13	-	-	-	-	-	-	105	105	12	3/4X3	
2419	-	100	36	8B13	-	-	-	-	-	-	17.4K	17.4K	12	3/4X3	
2420	-	100	36	12WF27	-	-	-	-	-	-	105K	105L	12	3/4X3	
2421	-	100	36	16B26	-	-	-	-	-	-	346	201	-	-	
2422	-	100	36	16WF44	-	-	-	-	-	-	266A	106F	8	3/4X3C	
2423	-	100	36	14B22	-	-	-	-	-	-	26.5K	203	-	-	
2424	-	100	36	14B22	-	-	-	-	-	-	339	105	12	3/4X3	
2425	-	100	36	8B13	-	-	-	-	-	-	17.4K	17.4K	12	3/4X3	
2426	-	100	50	12WF27	-	-	-	-	-	-	201	201	12	3/4X3	
2427	-	100	50	12B16.5	-	-	-	-	-	-	26.5K	26.5K	26	3/4X3	
2428	-	100	50	12B16.5	-	-	-	-	-	-	105	26.5K	26	3/4X3	
2429	-	100	50	16B26	-	-	-	-	-	-	26.5K	105	26	3/4X3	
2430	-	100	50	12B16.5	-	-	-	-	-	-	26.5K	26.5K	26	3/4X3	
2431	-	100	50	16B26	-	-	-	-	-	-	212	26.5K	26	3/4X3	
2432	-	100	50	12B16.5	-	-	-	-	-	-	26.5K	26.5K	26	3/4X3	
2433	-	100	50	12B16.5	-	-	-	-	-	-	170	105	26	3/4X3	



SKILLING-HELLE-CHRISTIANSEN-ROBERTSON

Civil & Structural Engineers

PROJECT		THE WORLD TRADE CENTER										TITLE		BEAM SCHEDULE TOWERS A AND B										DATE		1/22/68	
BEAM NO.		SIZE	TYPE	FY	SHAPE	PLATE 1		PLATE 2		DIMENSIONS		SUPPORTS		STUDS		REMARKS											
						WIDTH	THICK	WIDTH	THICK	LENGTH	DIM. A	LEFT	RIGHT	NO.	SIZE												
2434		-	100	50	14B22	-	-	-	-	-	-	313J	26.5K	20	3/4X3												
2435		-	100	50	14B26	-	-	-	-	-	-	266	357	40	3/4X3												
2436		-	100	50	12B19	-	-	-	-	-	-	26.5K	201	30	3/4X3												
2437		-	100	50	12B16.5	-	-	-	-	-	-	105	26.5K	26	3/4X3												
2438		-	100	50	12B16.5	-	-	-	-	-	-	26.5K	26.5K	26	3/4X3												
2439		-	100	50	16WF40	-	-	-	-	-	-	26.5K	292	47	3/4X3												
2440		-	100	50	16WF40	-	-	-	-	-	-	26.5K	26.5K	47	3/4X3H												
2441		-	100	50	12WF27	-	-	-	-	-	-	201	105	34	3/4X3												
2442		-	100	36	12WF27	-	-	-	-	-	-	503	26.5K	-	-												
2443		30X5-1/2BX	252	36	-	5-1/2	3/4	28-1/2	3/8	-	-	296	296	-	-												
2444		-	100	36	30WF99	-	-	-	-	-	-	224	313J	12	3/4X3												
2445		-	100	50	14B22	-	-	-	-	-	-	201	266	34	3/4X3												
2446		-	100	50	12B16.5	-	-	-	-	-	-	26.5K	26.5K	26	3/4X3												
2447		-	100	50	12WF27	-	-	-	-	-	-	357	26.5K	40	3/4X3												
2448		-	100	50	12B16.5	-	-	-	-	-	-	507	26.5K	26	3/4X3												
2449		-	100	50	12B16.5	-	-	-	-	-	-	201	201	26	3/4X3												
2450		-	100	50	12B16.5	-	-	-	-	-	-	507	26.5K	26	3/4X3												
2451		-	100	50	12B16.5	-	-	-	-	-	-	507	26.5K	26	3/4X3												
2452		-	100	36	14B22	-	-	-	-	-	-	26.5K	26.5K	-	-												
2453		-	100	36	16B26	-	-	-	-	-	-	26.5K	26.5K	-	-												
2454		-	100	50	16B31	-	-	-	-	-	-	106	106	48	3/4X3												
2455		-	100	50	16WF36	-	-	-	-	-	-	106	106	47	3/4X3												
2456		-	100	50	16WF36	-	-	-	-	-	-	106	106	47	3/4X3												
2457		-	100	36	14B22	-	-	-	-	-	-	342	342	-	-												
2458		-	100	50	16WF40	-	-	-	-	-	-	314	106	47	3/4X3												
2459		12X3 CH	505	36	12CH50	2-1/8	3/4	-	-	FULL LENGTH	-	229	311	-	-												
2460		12X3 CH	505	36	12CH50	2-1/8	3/4	-	-	FULL LENGTH	-	229	311	-	-												
2461		-	100	36	16WF36	-	-	-	-	-	-	26.5K	26.5K	-	-												
2462		-	100	50	16B26	-	-	-	-	-	-	203	216	8	3/4X3												
2463		-	100	50	16WF40	-	-	-	-	-	-	106	314	47	3/4X3												
2464		-	100	50	16WF40	-	-	-	-	-	-	106	106	47	3/4X3												
2465		-	100	50	16WF40	-	-	-	-	-	-	106	106	47	3/4X3												
2466		-	100	50	16WF36	-	-	-	-	-	-	26.5K	26.5K	56	3/4X3												



SKILLING-HELLE-CHRISTIANSEN-ROBERTSON

Civil & Structural Engineers

PROJECT

THE WORLD TRADE CENTER

TITLE

BEAM SCHEDULE TOWERS A AND B

DATE

1/22/68

REVISIONS

BEAM NO.	SIZE	TYPE	FY	SHAPE	PLATE 1		PLATE 2		DIMENSIONS		SUPPORTS		STUDS		REMARKS
					WIDTH	THICK	WIDTH	THICK	LENGTH	DIM. A	LEFT	RIGHT	NO.	SIZE	
2467	-	100	50	16WF40	-	-	-	-	-	-	106	106	47	3/4X3	
2468	-	100	50	16WF36	-	-	-	-	-	-	106	106	47	3/4X3	
2469	-	100	50	16WF40	-	-	-	-	-	-	106	214	12	3/4X3	
2470	30X7 BU	300	36	-	7	1-1/2	27	7/8	-	-	212	26.5K	20	3/4X3	
2471	-	100	36	14B22	-	-	-	-	-	-	313J	266	8	3/4X3	
2472	-	100	36	16WF64	-	-	-	-	-	-	266	106	12	3/4X3	
2473	-	100	36	16WF64	-	-	-	-	-	-	106	106	47	3/4X3	
2474	-	100	50	16WF36	-	-	-	-	-	-	106	106	47	3/4X3	
2475	-	100	36	12B16.5	-	-	-	-	-	-	17.4K	17.4K	-	-	
2476	30X5-1/2BU	300	36	-	5-1/2	1-1/2	27	3/8	-	-	475	26.5K	-	-	
2477	-	100	36	16B31	-	-	-	-	-	-	26.5K	26.5K	-	-	
2478	-	100	36	16B26	-	-	-	-	-	-	26.5K	26.5K	12	3/4X3	
2479	-	100	50	12B19	-	-	-	-	-	-	26.5K	26.5K	-	-	
2480	-	100	50	12B19	-	-	-	-	-	-	26.5K	26.5K	15	3/4X3	
2481	-	100	36	12B19	-	-	-	-	-	-	26.5K	26.5K	-	-	
2482	-	100	50	12B19	-	-	-	-	-	-	17.4K	17.4K	30	3/4X3	
2483	-	100	50	16B26	-	-	-	-	-	-	26.5K	26.5K	15	3/4X3	
2484	-	100	50	16B26	-	-	-	-	-	-	105	201	15	3/4X3	
2485	-	100	50	16B26	-	-	-	-	-	-	26.5K	26.5K	15	3/4X3	
2486	-	100	50	12B16.5	-	-	-	-	-	-	26.5K	26.5K	15	3/4X3	
2487	-	100	50	16B31	-	-	-	-	-	-	26.5K	26.5K	-	-	
2488	-	100	36	12WF45	-	-	-	-	-	-	105	201	15	3/4X3	
2489	-	100	50	16B26	-	-	-	-	-	-	105	201	15	3/4X3	
2490	-	100	50	16B26	-	-	-	-	-	-	105	201	15	3/4X3	
2491	-	100	50	14B22	-	-	-	-	-	-	26.5K	26.5K	12	3/4X3	
2492	-	100	50	16B26	-	-	-	-	-	-	201	105	15	3/4X3	
2493	-	100	50	12WF27	-	-	-	-	-	-	26.5K	26.5K	15	3/4X3	
2494	-	100	50	16B26	-	-	-	-	-	-	201	201	15	3/4X3	
2495	-	100	50	16B26	-	-	-	-	-	-	26.5K	26.5K	15	3/4X3	
2496	-	100	50	30WF116	-	-	-	-	-	-	494	44.2K	40	3/4X3	
2497	-	100	50	16B26	-	-	-	-	-	-	26.5K	105	40	3/4X3	
2498	-	100	50	16B26	-	-	-	-	-	-	105	26.5K	40	3/4X3	
2499	-	100	50	16B26	-	-	-	-	-	-	26.5K	26.5K	40	3/4X3	



SKILLING-HELLE-CHRISTIANSEN-ROBERTSON

Civil & Structural Engineers

PROJECT					TITLE					DATE					
THE WORLD TRADE CENTER					BEAM SCHEDULE TOWERS A AND B					1/22/68					
BEAM NO.	SIZE	TYPE	FY	SHAPE	PLATE 1		PLATE 2		DIMENSIONS		SUPPORTS		STUDS		REMARKS
					WIDTH	THICK	WIDTH	THICK	LENGTH	DIM. A	LEFT	RIGHT	NO.	SIZE	
2500	-	100	50	16B26	-	-	-	-	-	-	26.5K	105	40	3/4X3	
2501	-	100	50	16B26	-	-	-	-	-	-	26.5K	26.5K	15	3/4X3C	
2502	-	100	36	16WF36	-	-	-	-	-	-	475	201	-	-	
2503	-	100	50	16B26	-	-	-	-	-	-	208	342	40	3/4X3	
2504	-	100	50	12WF31	-	-	-	-	-	-	357B	201Q	15	3/4X3	
2505	-	100	36	16WF36	-	-	-	-	-	-	26.5K	208H	12	3/4X3B	
2506	-	100	36	16WF40	-	-	-	-	-	-	220I	208H	40	3/4X3G	
2507	-	100	36	12B16.5	-	-	-	-	-	-	105D	26.5K	15	3/4X3	
2508	-	100	36	12B16.5	-	-	-	-	-	-	26.5K	26.5K	-	-	
2509	-	100	36	14B22	-	-	-	-	-	-	26.5K	26.5K	13	3/4X3	
2510	-	100	36	16WF45	-	-	-	-	-	-	106D	111L	30	3/4X3	
2511	-	404	50	16WF45	-	-	-	-	-	-	26.5K	274C	26	3/4X3	
2512	-	404	36	16WF50	-	-	-	-	-	-	274C	475A	26	3/4X3	
2513	-	404	36	16WF50	-	-	-	-	-	-	26.5K	274C	26	3/4X3	
2514	-	404	36	16WF45	-	-	-	-	-	-	274C	26.5K	26	3/4X3	
2515	-	100	36	12B19	-	-	-	-	-	-	26.5K	26.5K	44	5/8X2	
2516	-	100	50	12CH50.0	-	-	-	-	-	-	226A	311D	-	-	
2517	-	100	50	12CH45.0	-	-	-	-	-	-	428A	426A	-	-	
2518	-	100	36	15CH33.9	-	-	-	-	-	-	311D	311D	-	-	
2519	-	100	36	16WF36	-	-	-	-	-	-	283U	506B	-	-	
2520	-	100	36	16WF36	-	-	-	-	-	-	283U	506A	-	-	
2521	20X6 BU	300	36	-	6	3/4	18-1/2	3/8	-	-	201R	179B	6	3/4X3C	
2522	-	100	50	16B31	-	-	-	-	-	-	106K	106K	12	3/4X3B	
2523	-	100	36	16WF36	-	-	-	-	-	-	26.5K	106	8	3/4X3	
2524	-	100	50	16B26	-	-	-	-	-	-	216	342	40	3/4X3	
2525	-	100	50	16WF36	-	-	-	-	-	-	111M	26.5K	30	3/4X3	
2526	-	100	36	16WF40	-	-	-	-	-	-	208H	287G	40	3/4X3D	
2527	-	100	36	16WF36	-	-	-	-	-	-	26.5K	26.5K	8	3/4X3	
2528	-	100	36	16WF40	-	-	-	-	-	-	26.5K	241A	39	3/4X3	
2529	-	100	36	16WF40	-	-	-	-	-	-	241A	171A	39	3/4X3H	
2530	-	100	36	14B26	-	-	-	-	-	-	26.5K	357G	19	3/4X3	
2531	-	100	36	14B22	-	-	-	-	-	-	342A	238A	8	3/4X3	
2532	-	100	36	14B22	-	-	-	-	-	-	370J	342A	19	3/4X3	
2533	-	100	36	14B22	-	-	-	-	-	-	111P	111P	19	3/4X3	



SKILLING, HELLE, CHRISTIANSEN, ROBERTSON

Structural & Civil Engineers

PROJECT					TITLE							DATE			
THE WORLD TRADE CENTER					BEAM SCHEDULE TOWERS A AND B							7/17/68			
BEAM NO.	SIZE	TYPE	FY	SHAPE	PLATE 1		PLATE 2		DIMENSIONS		SUPPORTS		STUDS		REMARKS
					WIDTH	THICK	WIDTH	THICK	LENGTH	DIM. A	LEFT	RIGHT	NO.	SIZE	
2534	-	100	36	16WF40	-	-	-	-	-	-	238A	106F	8	3/4X3C	
2535	-	100	36	8B13	-	-	-	-	-	-	17.4K	17.4K	12	3/4X3	
2536	-	100	36	12B19	-	-	-	-	-	-	26.5K	26.5K	-	-	
2537	32X4CH	512	36	-	4	7/8	30-1/4	5/8	-	-	226A	243A	-	-	
2538	32X4CH	513	36	-	4	7/8	30-1/4	5/8	-	-	243A	226A	-	-	
2539	12X4CH	505	50	12CH50.0	2-7/8	3/4	-	-	12FT 3	1FT 0	440A	441B	-	-	X
2540	12X4CH	505	50	12CH50.0	2-7/8	3/4	-	-	12FT 3	1FT 0	441B	440A	-	-	
2541	-	100	36	16WF45	-	-	-	-	-	-	2050	220H	-	-	
2542	-	100	50	12B22	-	-	-	-	-	-	26.5K	26.5K	-	-	
2543	-	100	50	12B22	-	-	-	-	-	-	26.5K	26.5K	-	-	
2544	-	100	36	14B22	-	-	-	-	-	-	303B	26.5K	10	3/4X3B	
2545	-	100	50	12B22	-	-	-	-	-	-	26.5K	26.5K	-	-	
2546	-	100	50	18WF64	-	-	-	-	-	-	283C	472G	-	-	
2547	-	100	50	12B22	-	-	-	-	-	-	26.5K	26.5K	-	-	
2548	-	100	36	12WF27	-	-	-	-	-	-	17.7K	17.7K	-	-	
2549	-	100	36	16WF36	-	-	-	-	-	-	170B	287G	15	3/4X3B	
2550	-	100	36	12WF27	-	-	-	-	-	-	348B	283A	-	-	
2551	-	100	36	16WF45	-	-	-	-	-	-	303B	395C	-	-	
2552	-	100	36	8B13	-	-	-	-	-	-	17.4K	17.4K	-	-	
2553	-	404	36	18WF45	-	-	-	-	-	-	26.5K	274D	26	3/4X3	
2554	-	100	36	12WF45	-	-	-	-	-	-	364A	364A	-	-	
2555	-	404	36	16WF50	-	-	-	-	-	-	26.5K	278A	26	3/4X3	
2556	-	100	36	16WF36	-	-	-	-	-	-	170B	287G	12	3/4X3B	
2557	-	100	36	21WF55	-	-	-	-	-	-	381A	317E	16	3/4X3	
2558	-	100	36	16B26	-	-	-	-	-	-	201F	201F	8	3/4X3	
2559	-	100	36	24I79.9	-	-	-	-	-	-	409A	409A	-	-	
2560	-	100	36	24I79.9	-	-	-	-	-	-	205B	359A	-	-	
2561	-	100	50	18WF64	-	-	-	-	-	-	283B	359A	-	-	
2562	-	100	50	18WF85	-	-	-	-	-	-	472L	472G	-	-	1
2563	-	100	36	14B26	-	-	-	-	-	-	310B	26.5K	24	3/4X3	
2564	-	100	50	18WF64	-	-	-	-	-	-	283C	472G	-	-	
2565	-	100	50	18WF64	-	-	-	-	-	-	283C	472G	-	-	
2566	-	100	50	18WF70	-	-	-	-	-	-	472L	472G	-	-	1

REMARKS

1 LEFT SUPPORT, REVISION AFTER FABRICATION, TOWER A ONLY. SEE 19-A-910



SKILLING, HELLE, CHRISTIANSEN, ROBERTSON

Structural & Civil Engineers

PROJECT

THE WORLD TRADE CENTER

TITLE

BEAM SCHEDULE TOWERS A AND B

DATE

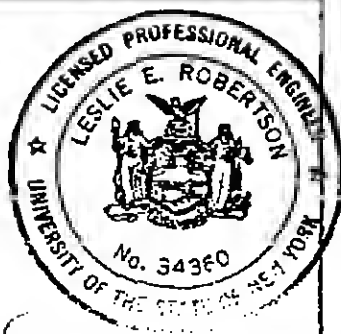
12/ 6/68

REVISIONS

BEAM NO.	SIZE	TYPE	FY	SHAPE	PLATE 1		PLATE 2		DIMENSIONS		SUPPORTS		STUDS		REMARKS
					WIDTH	THICK	WIDTH	THICK	LENGTH	DIM. A	LEFT	RIGHT	NO.	SIZE	
2567	15X3-3/8CH	504	50	15CH40.0	2-1/2	1/2	-	-	26FT 0	1FT 0	243A	245E	-	-	1
2568	-	100	50	18WF64	-	-	-	-	-	-	283C	472G	-	-	
2569	-	100	50	18WF64	-	-	-	-	-	-	283B	472G	-	-	
2570	-	100	50	18WF64	-	-	-	-	-	-	472L	472G	-	-	3
2571	15X3-3/8CH	505	50	15CH40.0	2-1/2	1/2	-	-	26FT 1	1FT 1	245E	243A	-	-	2
2572	-	100	50	18WF64	-	-	-	-	-	-	283C	472G	-	-	X
2573	-	100	50	18WF64	-	-	-	-	-	-	472L	472G	-	-	3
2574	-	100	36	12WF31	-	-	-	-	-	-	105L	203Q	15	3/4X3	
2575	-	100	50	18WF64	-	-	-	-	-	-	283B	359A	-	-	
2576	-	100	36	21WF55	-	-	-	-	-	-	469A	470A	-	-	
2577	-	100	36	21WF55	-	-	-	-	-	-	35.3K	35.3K	-	-	
2578	-	100	36	21WF62	-	-	-	-	-	-	53.0K	470A	-	-	
2579	-	446	36	24WF84	-	-	-	-	-	-	371A	344A	-	-	
2580	-	100	36	21WF55	-	-	-	-	-	-	470A	469A	-	-	
2581	-	100	36	18WF50	-	-	-	-	-	-	220J	344A	-	-	
2582	-	100	36	18WF60	-	-	-	-	-	-	344A	287H	-	-	
2583	-	100	36	21WF55	-	-	-	-	-	-	470A	53.0K	-	-	
2584	-	100	36	18WF50	-	-	-	-	-	-	203A	344A	-	-	
2585	-	100	36	18WF50	-	-	-	-	-	-	344A	220J	-	-	
2586	-	100	36	18WF45	-	-	-	-	-	-	170E	287H	15	3/4X3B	
2587	-	100	36	21WF62	-	-	-	-	-	-	487A	203A	8	3/4X3B	
2588	-	446	36	24WF84	-	-	-	-	-	-	344A	371A	-	-	
2589	-	100	36	30WF116	-	-	-	-	-	-	44.2K	44.2K	-	-	
2590	30X10BU	300	36	-	10	7/8	28-1/4	1/2	-	-	267A	283T	-	-	
2591	-	100	36	30WF116	-	-	-	-	-	-	44.2K	44.2K	-	-	
2592	30X7 BU	300	36	-	7	1- 1/2	27	5/8	-	-	306A	111L	-	-	
2593	26X7 BU	300	36	-	7	1- 1/2	23	1/2	-	-	44.2K	44.2K	-	-	
2594	30X10BU	300	36	-	10	7/8	28-1/4	1/2	-	-	267A	283T	-	-	
2595	-	100	36	30WF116	-	-	-	-	-	-	44.2K	44.2K	-	-	
2596	30X10BU	300	36	-	10	7/8	28-1/4	1/2	-	-	267A	283T	-	-	
2597	-	100	36	30WF116	-	-	-	-	-	-	44.2K	44.2K	-	-	
2598	30X7 BU	300	36	-	7	2	26	3/4	-	-	316B	309A	-	-	
2599	-	100	36	16WF45	-	-	-	-	-	-	220F	395A	-	-	

REMARKS

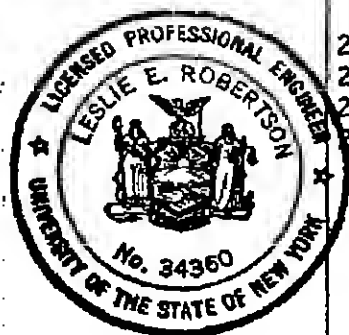
- 1 DETAIL 442A RIGHT END OF BEAM
- 2 DETAIL 442A LEFT END OF BEAM
- 3 LEFT SUPPORT, REVISION AFTER FABRICATION, TOWER A ONLY, SEE 19-A-910



SKILLING-HELLE-CHRISTIANSEN-ROBERTSON

Civil & Structural Engineers

PROJECT THE WORLD TRADE CENTER					TITLE BEAM SCHEDULE TOWERS A AND B						DATE 07/11/69				
BEAM NO.	SIZE	TYPE	FY	SHAPE	PLATE 1		PLATE 2		DIMENSIONS		SUPPORTS		STUDS		REMARKS
					WIDTH	THICK	WIDTH	THICK	LENGTH	DIM. A	LEFT	RIGHT	NO.	SIZE	
2600	26X7 BU	300	36	-	7	2- 1/4	21-1/2	3/4	-	-	220P	309A	-	-	
2601	-	100	36	12WF50	-	-	-	-	-	-	283A	283A	-	-	
2602	-	100	36	8B13	-	-	-	-	-	-	17.4K	514	-	-	
2603	-	100	36	16WF64	-	-	-	-	-	-	106E	106E	47	3/4X3	
2604	-	100	36	12WF50	-	-	-	-	-	-	445A	445A	-	-	
2605	-	100	36	12WF72	-	-	-	-	-	-	317A	370F	-	-	
2606	-	100	36	12WF65	-	-	-	-	-	-	317A	317A	-	-	
2607	-	100	36	12WF50	-	-	-	-	-	-	445A	445A	-	-	
2608	-	100	36	12WF72	-	-	-	-	-	-	317A	370F	-	-	
2609	-	100	36	12WF31	-	-	-	-	-	-	26.5K	26.5K	-	-	
2610	-	100	36	12WF36	-	-	-	-	-	-	111A	26.5K	-	-	
2611	-	100	36	12WF31	-	-	-	-	-	-	26.5K	26.5K	-	-	
2612	-	100	50	12WF31	-	-	-	-	-	-	283M	26.5K	-	-	
2613	-	100	36	12WF36	-	-	-	-	-	-	283A	26.5K	-	-	
2614	-	100	36	12WF27	-	-	-	-	-	-	283A	349A	-	-	
2615	-	100	36	12WF27	-	-	-	-	-	-	349A	283A	-	-	
2616	-	100	36	12WF27	-	-	-	-	-	-	208A	111A	-	-	
2617	-	100	36	12WF58	-	-	-	-	-	-	111D	111A	-	-	
2618	-	100	36	12WF53	-	-	-	-	-	-	111A	111C	-	-	
2619	-	100	36	16WF45	-	-	-	-	-	-	220A	220A	-	-	
2620	-	100	36	12WF53	-	-	-	-	-	-	111A	111A	-	-	
2621	-	100	36	12WF53	-	-	-	-	-	-	111A	111A	-	-	
2622	-	100	36	12WF58	-	-	-	-	-	-	111A	111C	-	-	
2623	-	100	50	12WF72	-	-	-	-	-	-	111A	111E	-	-	
2624	-	100	50	12WF72	-	-	-	-	-	-	111E	111E	-	-	
2625	-	100	50	12WF72	-	-	-	-	-	-	111A	111E	-	-	
2626	-	100	50	12WF72	-	-	-	-	-	-	111E	111A	-	-	
2627	16X5-1/28X	200	36	-	4	3/8	16	3/4	-	-	206A	265A	-	-	
2628	-	100	36	12WF36	-	-	-	-	-	-	350C	370D	-	-	
2629	-	100	36	8B13	-	-	-	-	-	-	17.4K	17.4K	-	-	
2630	16X4 8X	200	36	-	2-1/2	3/4	16	3/4	-	-	247F	247E	-	-	
2631	16X4 8X	200	36	-	2-1/2	3/4	16	3/4	-	-	372A	372A	-	-	
2632	-	100	50	12WF27	-	-	-	-	-	-	26.5K	208E	-	-	
2633	-	100	36	12WF27	-	-	-	-	-	-	111H	111H	-	-	



SKILLING-HELLE-CHRISTIANSEN-ROBERTSON

Civil & Structural Engineers

PROJECT THE WORLD TRADE CENTER

TITLE

BEAM SCHEDULE TOWERS A AND B

DATE 1/22/68

REVISIONS

BEAM NO.	SIZE	TYPE	FY	SHAPE	PLATE 1		PLATE 2		DIMENSIONS		SUPPORTS		STUDS		REMARKS
					WIDTH	THICK	WIDTH	THICK	LENGTH	DIM. A	LEFT	RIGHT	NO.	SIZE	
2634	-	100	36	16B26	-	-	-	-	-	-	283M	283M	-	-	
2635	-	100	36	12WF72	-	-	-	-	-	-	370F	317A	-	-	
2636	-	100	36	21WF55	-	-	-	-	-	-	317E	317E	20	3/4X3	
2637	-	100	36	12WF72	-	-	-	-	-	-	370F	317A	-	-	
2638	-	100	36	12WF50	-	-	-	-	-	-	445A	445A	-	-	
2639	-	100	50	12WF72	-	-	-	-	-	-	220H	287F	-	-	
2640	-	100	50	12WF72	-	-	-	-	-	-	287F	287F	-	-	
2641	-	100	36	12WF36	-	-	-	-	-	-	287C	287D	-	-	
2642	-	100	36	12WF27	-	-	-	-	-	-	287D	287B	-	-	
2643	-	100	50	12WF72	-	-	-	-	-	-	287D	287F	-	-	
2644	-	100	50	12WF72	-	-	-	-	-	-	287F	220H	-	-	
2645	-	100	36	8B13	-	-	-	-	-	-	260C	111H	-	-	
2646	-	100	50	8B13	-	-	-	-	-	-	17.4K	17.4K	-	-	
2647	-	100	36	12WF27	-	-	-	-	-	-	208E	350C	-	-	
2648	-	100	36	12WF31	-	-	-	-	-	-	217A	350C	-	-	
2649	-	100	36	8B13	-	-	-	-	-	-	28.4K	28.9K	-	-	
2650	-	100	36	12WF36	-	-	-	-	-	-	370D	235E	-	-	
2651	-	100	36	14B22	-	-	-	-	-	-	26.5K	26.5K	-	-	
2652	16X5-1/2BX	200	36	-	4	3/8	16	3/4	-	-	265A	247E	-	-	
2653	-	100	36	14B22	-	-	-	-	-	-	26.5K	26.5K	-	-	
2654	-	100	36	9CH13.4	-	-	-	-	-	-	517	501	-	-	
2655	-	100	36	12WF50	-	-	-	-	-	-	307A	287D	-	-	
2656	-	100	36	8B13	-	-	-	-	-	-	17.4K	17.4K	-	-	
2657	-	100	36	9CH13.4	-	-	-	-	-	-	501	501	-	-	
2658	-	100	36	12WF27	-	-	-	-	-	-	334A	349A	-	-	
2659	-	100	36	12WF27	-	-	-	-	-	-	349A	348A	-	-	
2660	-	100	36	16B31	-	-	-	-	-	-	348A	220A	-	-	
2661	-	100	36	12WF27	-	-	-	-	-	-	220A	349A	-	-	
2662	-	100	36	12WF27	-	-	-	-	-	-	349A	349A	-	-	
2663	-	100	36	12WF27	-	-	-	-	-	-	349A	334B	-	-	
2664	-	100	36	12WF27	-	-	-	-	-	-	334A	349A	-	-	
2665	-	100	36	12WF27	-	-	-	-	-	-	349A	348A	-	-	
2666	-	100	36	16B31	-	-	-	-	-	-	348A	220A	-	-	



SKILLING-HELLE-CHRISTIANSEN-ROBERTSON

Civil & Structural Engineers

PROJECT		THE WORLD TRADE CENTER				TITLE		BEAM SCHEDULE TOWERS A AND B				DATE		1/22/68	
BEAM NO.	SIZE	TYPE	FY	SHAPE	PLATE 1		PLATE 2		DIMENSIONS		SUPPORTS		STUDS		REMARKS
					WIDTH	THICK	WIDTH	THICK	LENGTH	DIM. A	LEFT	RIGHT	NO.	SIZE	
2667	16X6-1/2BU	300	36	-	6-1/2	1- 1/8	13-3/4	3/8	-	-	220A	348B	-	-	
2668	-	100	36	12WF27	-	-	-	-	-	-	348B	349A	-	-	
2669	-	100	36	16WF45	-	-	-	-	-	-	220H	205C	-	-	
2670	-	100	36	16WF40	-	-	-	-	-	-	401B	401B	-	-	
2671	-	100	36	16WF45	-	-	-	-	-	-	205C	310D	-	-	
2672	-	100	36	16WF45	-	-	-	-	-	-	307E	310D	-	-	
2673	-	100	36	16WF40	-	-	-	-	-	-	401B	401B	-	-	
2674	-	100	36	16WF45	-	-	-	-	-	-	205C	220H	-	-	
2675	-	100	36	12WF72	-	-	-	-	-	-	220H	205E	-	-	
2676	-	100	36	12WF65	-	-	-	-	-	-	445A	445A	-	-	
2677	-	100	36	12WF72	-	-	-	-	-	-	205E	364B	-	-	
2678	-	100	36	12WF72	-	-	-	-	-	-	364B	205E	-	-	
2679	-	100	36	12WF65	-	-	-	-	-	-	445A	445A	-	-	
2680	-	100	36	12WF72	-	-	-	-	-	-	205E	220H	-	-	
2681	-	100	36	16B31	-	-	-	-	-	-	265A	220E	-	-	
2682	16X5-1/2BX	200	36	-	4	3/8	16	3/4	-	-	265A	206A	-	-	
2683	-	100	36	12WF36	-	-	-	-	-	-	222A	370A	-	-	
2684	-	100	36	12WF36	-	-	-	-	-	-	222B	370A	-	-	
2685	-	100	36	12WF31	-	-	-	-	-	-	26.5K	222B	-	-	
2686	-	100	36	12WF27	-	-	-	-	-	-	201	111	-	-	
2687	-	100	36	8B13	-	-	-	-	-	-	17.4K	17.4K	-	-	
2688	-	100	36	12WF27	-	-	-	-	-	-	222A	222B	-	-	
2689	-	100	36	12WF40	-	-	-	-	-	-	310A	26.5K	-	-	
2690	-	100	36	12WF50	-	-	-	-	-	-	283F	283F	-	-	
2691	-	445	36	18WF45	-	-	-	-	-	-	472E	472F	-	-	
2692	-	100	36	18WF50	-	-	-	-	-	-	472C	472D	-	-	
2693	-	100	36	12B22	-	-	-	-	-	-	26.5K	26.5K	-	-	
2694	-	100	36	12B22	-	-	-	-	-	-	283I	283I	-	-	
2695	-	100	36	12WF50	-	-	-	-	-	-	111A	357A	-	-	
2696	-	100	36	12WF27	-	-	-	-	-	-	26.5K	208A	-	-	
2697	-	100	36	12WF27	-	-	-	-	-	-	111B	111A	-	-	
2698	-	100	36	12B19	-	-	-	-	-	-	283I	283I	-	-	
2699	-	100	36	12WF36	-	-	-	-	-	-	370A	235A	-	-	



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Civil & Structural Engineers

PROJECT THE WORLD TRADE CENTER					TITLE BEAM SCHEDULE TOWERS A AND B						DATE 1/22/68				
BEAM NO.	SIZE	TYPE	FY	SHAPE	PLATE 1		PLATE 2		DIMENSIONS		SUPPORTS		STUDS		REMARKS
					WIDTH	THICK	WIDTH	THICK	LENGTH	DIM. A	LEFT	RIGHT	NO.	SIZE	
2700	-	100	36	12WF27	-	-	-	-	-	-	283A	348A	-	-	
2701	-	100	36	8B13	-	-	-	-	-	-	17.4K	17.4K	-	-	
2702	-	100	36	12WF27	-	-	-	-	-	-	26.5K	26.5K	-	-	
2703	-	100	36	12WF36	-	-	-	-	-	-	26.5K	26.5K	-	-	
2704	-	100	36	12B22	-	-	-	-	-	-	26.5K	26.5K	-	-	
2705	-	100	36	12WF27	-	-	-	-	-	-	348A	111B	-	-	
2706	-	100	36	18WF60	-	-	-	-	-	-	370C	235B	-	-	
2707	-	100	36	10WF21	-	-	-	-	-	-	436A	436A	-	-	
2708	-	100	36	16WF40	-	-	-	-	-	-	283C	283C	-	-	
2709	-	100	36	12WF27	-	-	-	-	-	-	349A	334B	-	-	
2710	-	100	36	12WF27	-	-	-	-	-	-	208E	217A	-	-	
2711	-	100	50	12WF79	-	-	-	-	-	-	111D	111B	-	-	
2712	-	100	50	12WF79	-	-	-	-	-	-	111B	111D	-	-	
2713	-	100	50	12WF79	-	-	-	-	-	-	111B	111B	-	-	
2714	-	100	50	12WF79	-	-	-	-	-	-	111B	111B	-	-	
2715	-	100	50	12WF79	-	-	-	-	-	-	70.0K	287A	-	-	
2716	-	100	50	12WF79	-	-	-	-	-	-	287A	287C	-	-	
2717	-	100	50	12WF79	-	-	-	-	-	-	287B	287A	-	-	
2718	-	100	50	12WF79	-	-	-	-	-	-	287A	60.0K	-	-	
2719	-	100	36	12WF53	-	-	-	-	-	-	111C	111A	-	-	
2720	-	100	36	12WF58	-	-	-	-	-	-	111A	111C	-	-	
2721	-	100	36	16WF45	-	-	-	-	-	-	220A	310A	-	-	
2722	-	100	36	18WF50	-	-	-	-	-	-	307A	220B	-	-	
2723	-	100	36	12WF58	-	-	-	-	-	-	111A	111A	-	-	
2724	-	100	36	12WF53	-	-	-	-	-	-	111A	111A	-	-	
2725	-	100	36	12WF79	-	-	-	-	-	-	26.5K	287A	-	-	
2726	-	100	36	12WF58	-	-	-	-	-	-	170A	287C	-	-	
2727	-	100	36	12WF53	-	-	-	-	-	-	26.5K	287B	-	-	
2728	-	100	36	12WF79	-	-	-	-	-	-	26.5K	287A	-	-	
2729	-	100	36	12WF50	-	-	-	-	-	-	334A	353B	-	-	
2730	-	100	36	12WF58	-	-	-	-	-	-	353B	353C	-	-	
2731	18X4 BU	300	36	-	4	1- 1/4	15-1/2	3/8	-	-	29.7K	31.9K	-	-	
2732	-	100	36	12WF58	-	-	-	-	-	-	353F	353B	-	-	
2733	-	100	36	12WF50	-	-	-	-	-	-	353B	334A	-	-	



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Civil & Structural Engineers

PROJECT	THE WORLD TRADE CENTER	TITLE	BEAM SCHEDULE TOWERS A AND B	DATE	1/22/68
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REVISIONS

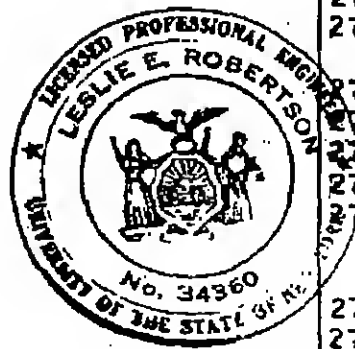
BEAM NO.	SIZE	TYPE	FY	SHAPE	PLATE 1		PLATE 2		DIMENSIONS		SUPPORTS		STUDS		REMARKS
					WIDTH	THICK	WIDTH	THICK	LENGTH	DIM. A	LEFT	RIGHT	NO.	SIZE	
2734	-	100	36	12WF50	-	-	-	-	-	-	334B	353A	-	-	
2735	-	100	36	12WF58	-	-	-	-	-	-	353E	353G	-	-	
2736	-	100	36	18WF50	-	-	-	-	-	-	472C	472D	-	-	
2737	-	100	36	12WF58	-	-	-	-	-	-	353A	353B	-	-	
2738	-	100	36	12WF50	-	-	-	-	-	-	353B	334B	-	-	
2739	-	100	36	12WF79	-	-	-	-	-	-	338C	329A	-	-	
2740	-	100	36	12WF65	-	-	-	-	-	-	445A	445A	-	-	
2741	-	100	36	12WF79	-	-	-	-	-	-	329A	364A	-	-	
2742	-	100	36	12WF79	-	-	-	-	-	-	364A	329A	-	-	
2743	-	100	36	12WF65	-	-	-	-	-	-	445A	445A	-	-	
2744	-	100	36	12WF79	-	-	-	-	-	-	329A	338C	-	-	
2745	-	100	36	12WF79	-	-	-	-	-	-	338C	329A	-	-	
2746	-	100	36	12WF65	-	-	-	-	-	-	445A	445A	-	-	
2747	-	100	36	12WF79	-	-	-	-	-	-	329A	364B	-	-	
2748	-	100	36	12WF79	-	-	-	-	-	-	364B	329A	-	-	
2749	-	100	36	12WF65	-	-	-	-	-	-	445A	445A	-	-	
2750	-	100	36	12WF79	-	-	-	-	-	-	329A	338C	-	-	
2751	-	100	36	18WF45	-	-	-	-	-	-	472B	472A	-	-	
2752	-	100	36	8B13	-	-	-	-	-	-	17.4K	17.4K	-	-	
2753	-	100	36	12WF36	-	-	-	-	-	-	283B	170A	-	-	
2754	-	100	36	12WF79	-	-	-	-	-	-	208A	222A	-	-	
2755	-	100	36	8B13	-	-	-	-	-	-	50B	17.4K	-	-	
2756	-	100	36	8B13	-	-	-	-	-	-	172C	17.4K	-	-	
2757	-	100	36	8B13	-	-	-	-	-	-	17.4K	17.4K	12	3/4X3	
2758	-	100	36	8B13	-	-	-	-	-	-	172	17.4K	12	3/4X3	
2759	16X5-1/2BX	200	36	-	4	3/8	16	3/4	-	-	450	450	-	-	
2760	16X5-1/2BX	202	36	-	4	3/8	16	3/4	-	-	450	450	-	-	
2761	-	100	50	14B22	-	-	-	-	-	-	235C	219A	34	3/4X3	
2762	-	100	50	14B22	-	-	-	-	-	-	235E	218B	34	3/4X3	
2763	-	100	50	14B22	-	-	-	-	-	-	26.5K	26.5K	-	-	
2764	-	100	50	12B19	-	-	-	-	-	-	26.5K	26.5K	-	-	
2765	-	100	50	14B22	-	-	-	-	-	-	26.5K	26.5K	-	-	
2766	-	100	36	16B31	-	-	-	-	-	-	220L	294D	-	-	



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Civil & Structural Engineers

PROJECT		THE WORLD TRADE CENTER				TITLE		BEAM SCHEDULE TOWERS A AND B				DATE		1/22/68	
BEAM NO.	SIZE	TYPE	FY	SHAPE	PLATE 1		PLATE 2		DIMENSIONS		SUPPORTS		STUDS		REMARKS
					WIDTH	THICK	WIDTH	THICK	LENGTH	DIM. A	LEFT	RIGHT	NO.	SIZE	
2767	-	100	36	16B31	-	-	-	-	-	-	294D	294D	-	-	
2768	-	100	36	16B31	-	-	-	-	-	-	463C	294D	-	-	
2769	-	100	36	16B31	-	-	-	-	-	-	294D	294D	-	-	
2770	-	100	36	16B31	-	-	-	-	-	-	294D	220L	-	-	
2771	-	100	36	16B31	-	-	-	-	-	-	26.5K	294D	-	-	
2772	-	100	36	16B31	-	-	-	-	-	-	294D	26.5K	-	-	
2773	-	100	36	16B31	-	-	-	-	-	-	26.5K	26.5K	-	-	
2774	-	100	36	16B31	-	-	-	-	-	-	26.5K	26.5K	30	3/4X3	
2775	-	100	36	16B31	-	-	-	-	-	-	294D	463C	-	-	
2776	-	100	50	16B26	-	-	-	-	-	-	283U	105L	15	3/4X3	
2777	-	100	50	16B31	-	-	-	-	-	-	283U	105L	15	3/4X3	
2778	16x5-1/2BX	202	36	-	4	1/4	16	3/4	-	-	294D	247G	-	-	
2779	-	100	50	16B26	-	-	-	-	-	-	26.5K	26.5K	-	-	
2780	-	100	50	16B26	-	-	-	-	-	-	26.5K	26.5K	-	-	
2781	-	100	50	16B26	-	-	-	-	-	-	26.5K	26.5K	-	-	
2782	-	100	50	16B26	-	-	-	-	-	-	283U	105L	10	3/4X3	
2783	16x5-1/2BX	200	36	-	4	1/4	16	3/4	-	-	206A	294D	-	-	
2784	-	100	50	16B26	-	-	-	-	-	-	26.5K	26.5K	20	3/4X3	
2785	-	100	36	14B22	-	-	-	-	-	-	26.5K	26.5K	-	-	
2786	-	100	50	14B22	-	-	-	-	-	-	26.5K	26.5K	-	-	
2787	-	100	36	14B22	-	-	-	-	-	-	26.5K	26.5K	15	3/4X3B	
2788	20x7 BU	300	36	-	7	3/4	18-1/2	1/4	-	-	338G	310G	-	-	
2789	-	100	50	14B22	-	-	-	-	-	-	310G	26.5K	16	3/4X3	
2790	-	100	50	14B22	-	-	-	-	-	-	26.5K	26.5K	34	3/4X3	
2791	-	100	50	16B26	-	-	-	-	-	-	26.5K	26.5K	24	3/4X3	
2792	-	100	50	16WF36	-	-	-	-	-	-	105L	26.5K	34	3/4X3	
2793	-	100	50	16B26	-	-	-	-	-	-	26.5K	26.5K	34	3/4X3	
2794	-	100	50	16B26	-	-	-	-	-	-	26.5K	105L	40	3/4X3	
2795	-	100	50	16B26	-	-	-	-	-	-	26.5K	26.5K	34	3/4X3	
2796	-	100	36	8B13	-	-	-	-	-	-	17.4K	17.4K	-	-	
2798	-	100	36	14B22	-	-	-	-	-	-	105L	26.5K	-	-	
2799	-	100	36	12B16.5	-	-	-	-	-	-	501A	26.5K	-	-	



SKILLING-HELLE-CHRISTIANSEN-ROBERTSON

Civil & Structural Engineers

PROJECT					TITLE						DATE				
THE WORLD TRADE CENTER					BEAM SCHEDULE TOWERS A AND B						1/22/68				
BEAM NO.	SIZE	TYPE	FY	SHAPE	PLATE 1		PLATE 2		DIMENSIONS		SUPPORTS		STUDS		REMARKS
					WIDTH	THICK	WIDTH	THICK	LENGTH	DIM. A	LEFT	RIGHT	NO.	SIZE	
2800	-	100	36	16WF36	-	-	-	-	-	-	220I	364C	-	-	
2801	-	100	36	16WF36	-	-	-	-	-	-	364C	220I	-	-	
2802	-	100	36	8B13	-	-	-	-	-	-	105H	105H	12	3/4X3	
2803	-	100	50	18WF50	-	-	-	-	-	-	111J	106G	58	3/4X3	
2804	-	100	50	16WF40	-	-	-	-	-	-	106J	106J	62	3/4X3	
2805	-	100	50	14B22	-	-	-	-	-	-	105L	26.5K	20	3/4X3	
2806	-	100	50	16B26	-	-	-	-	-	-	26.5K	26.5K	40	3/4X3	
2807	-	100	36	16B26	-	-	-	-	-	-	283M	170C	-	-	
2808	-	100	50	12B16.5	-	-	-	-	-	-	26.5K	26.5K	10	3/4X3	
2809	-	404	36	18WF50	-	-	-	-	-	-	26.5K	282A	26	3/4X3	
2810	-	100	50	18WF45	-	-	-	-	-	-	26.5K	286B	49	3/4X3	
2811	-	100	36	21WF55	-	-	-	-	-	-	35.3K	105N	8	3/4X3	
2812	-	100	36	14B22	-	-	-	-	-	-	26.5K	26.5K	-	-	
2813	-	100	36	12B16.5	-	-	-	-	-	-	175A	26.5K	11	3/4X3	
2814	-	100	36	18WF45	-	-	-	-	-	-	111M	111M	10	3/4X3	
2815	18X4 BX	200	36	-	2-1/2	3/8	18	3/4	-	-	372A	282A	-	-	
2816	-	100	50	16B26	-	-	-	-	-	-	26.5K	26.5K	40	3/4X3	
2817	-	100	50	18WF60	-	-	-	-	-	-	111S	106I	-	-	
2818	-	100	50	14B22	-	-	-	-	-	-	208B	335D	34	3/4X3	
2819	-	100	50	14B22	-	-	-	-	-	-	216A	335D	34	3/4X3	
2820	-	100	36	14B22	-	-	-	-	-	-	26.5K	208B	9	3/4X3	
2821	-	100	36	8B13	-	-	-	-	-	-	105D	105D	12	3/4X3	
2822	-	100	36	12B16.5	-	-	-	-	-	-	360A	215A	-	-	
2823	-	100	36	16B26	-	-	-	-	-	-	201F	201F	9	3/4X3	
2824	-	100	36	16WF40	-	-	-	-	-	-	111M	106E	38	3/4X3	
2825	-	100	36	16WF40	-	-	-	-	-	-	106E	106E	8	3/4X3C	
2826	-	100	36	16WF40	-	-	-	-	-	-	106J	106J	39	3/4X3	
2827	-	100	36	8B13	-	-	-	-	-	-	111N	105C	-	-	
2828	-	100	36	14B22	-	-	-	-	-	-	208B	216A	8	3/4X3	
2829	-	100	36	16WF36	-	-	-	-	-	-	292A	295A	8	3/4X3	
2830	-	100	50	21WF55	-	-	-	-	-	-	106G	106G	72	3/4X3	
2831	-	100	50	21WF62	-	-	-	-	-	-	106G	111J	72	3/4X3	
2832	-	100	50	16B26	-	-	-	-	-	-	201F	170C	40	3/4X3	
2833	-	100	50	16B26	-	-	-	-	-	-	26.5K	26.5K	40	3/4X3	



SKILLING, HELLE, CHRISTIANSEN, ROBERTSON

Structural & Civil Engineers

PROJECT	TITLE	DATE
THE WORLD TRADE CENTER	BEAM SCHEDULE TOWERS A AND B	12/ 6/68

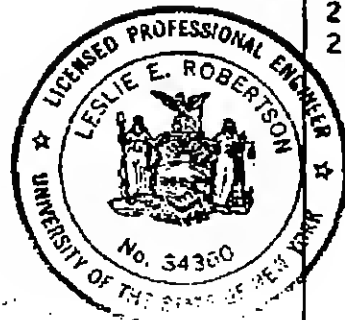
REVISIONS

BEAM NO.	SIZE	TYPE	FY	SHAPE	PLATE 1		PLATE 2		DIMENSIONS		SUPPORTS		STUDS		REMARKS
					WIDTH	THICK	WIDTH	THICK	LENGTH	DIM. A	LEFT	RIGHT	NO.	SIZE	
2834	-	100	50	16B26	-	-	-	-	-	-	105L	26.5K	40	3/4X3	
2835	-	100	50	16B26	-	-	-	-	-	-	26.5K	26.5K	24	3/4X3	
2836	-	100	50	21WF55	-	-	-	-	-	-	106G	106G	70	3/4X3	
2837	-	100	50	21WF55	-	-	-	-	-	-	106G	111J	70	3/4X3	
2838	-	100	36	12B16.5	-	-	-	-	-	-	105L	105L	-	-	
2839	-	100	50	16WF36	-	-	-	-	-	-	218B	26.5K	16	3/4X3	
2840	20X7 BU	300	36	-	7	1	18	3/8	-	-	220Q	205M	-	-	
2841	20X7 BU	300	36	-	7	1	18	3/8	-	-	408A	408A	-	-	
2842	20X7 BU	300	36	-	7	1	18	3/8	-	-	205N	335D	-	-	3
2843	20X7 BU	300	36	-	7	1	18	3/8	-	-	335D	205N	-	-	4
2844	20X7 BU	300	36	-	7	1	18	3/8	-	-	408A	408A	-	-	
2845	20X7 BU	300	36	-	7	1	18	3/8	-	-	205M	220Q	-	-	
2846	-	100	36	24WF76	-	-	-	-	-	-	320A	313B	26	3/4X3	
2847	-	100	36	18WF60	-	-	-	-	-	-	419A	414B	18	3/4X3	
2848	-	100	36	18WF60	-	-	-	-	-	-	414B	419A	18	3/4X3	
2849	-	100	36	30WF116	-	-	-	-	-	-	317E	318A	28	3/4X3	
2850	-	100	36	24WF76	-	-	-	-	-	-	320A	313B	26	3/4X3	
2851	-	100	36	18WF60	-	-	-	-	-	-	419A	414B	18	3/4X3	
2852	-	100	36	18WF60	-	-	-	-	-	-	414B	419A	18	3/4X3	
2853	-	100	36	30WF116	-	-	-	-	-	-	317E	318A	28	3/4X3	
2854	-	100	36	27WF84	-	-	-	-	-	-	318A	251G	30	3/4X3	
2855	-	100	36	27WF84	-	-	-	-	-	-	430A	430A	18	3/4X3	
2856	-	100	36	27WF84	-	-	-	-	-	-	251G	482B	30	3/4X3	
2857	-	100	36	24WF84	-	-	-	-	-	-	482B	482B	10	3/4X3	
2858	-	100	36	27WF84	-	-	-	-	-	-	482B	251G	30	3/4X3	
2859	-	100	36	27WF84	-	-	-	-	-	-	430A	430A	18	3/4X3	
2860	-	100	36	27WF84	-	-	-	-	-	-	251G	318A	30	3/4X3	
2861	-	100	36	27WF84	-	-	-	-	-	-	320A	205Q	30	3/4X3	
2862	-	100	36	27WF84	-	-	-	-	-	-	430A	430A	18	3/4X3	
2863	-	434	36	27WF84	-	-	-	-	-	-	205Q	335L	34	3/4X3	
* 2864	-	100	36	15CH33.9	-	-	-	-	-	-	26.5K	26.5K	-	-	
2865	-	100	36	27WF84	-	-	-	-	-	-	335L	205Q	34	3/4X3	
2866	-	100	36	27WF84	-	-	-	-	-	-	430A	430A	18	3/4X3	

REMARKS

- 1 DETAIL 430A RIGHT END OF BEAM
- 2 DETAIL 430A LEFT END OF BEAM
- 3 DETAIL 408A RIGHT END OF BEAM
- 4 DETAIL 408A LEFT END OF BEAM

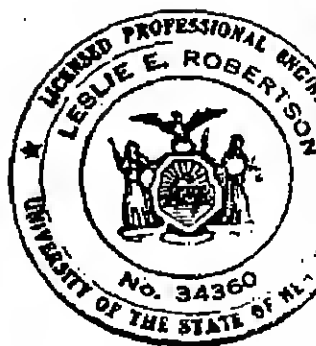
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SKILLING-HELLE-CHRISTIANSEN-ROBERTSON

Civil & Structural Engineers

PROJECT					TITLE							DATE			
THE WORLD TRADE CENTER					BEAM SCHEDULE TOWERS A AND B							1/22/68			
BEAM NO.	SIZE	TYPE	FY	SHAPE	PLATE 1		PLATE 2		DIMENSIONS		SUPPORTS		STUDS		REMARKS
					WIDTH	THICK	WIDTH	THICK	LENGTH	DIM. A	LEFT	RIGHT	NO.	SIZE	
2867	-	100	36	27WF84	-	-	-	-	-	-	2050	320A	30	3/4X3	
2868	30X7 BU	300	36	-	7	2	26	3/4	-	-	309A	309A	-	-	
2869	30X7 BU	300	36	-	7	2	26	3/4	-	-	309A	316B	-	-	
2870	26X7 BU	300	36	-	7	2- 1/4	21-1/2	1/2	-	-	309A	220P	-	-	
2871	30X7 BU	300	36	-	7	2	26	3/4	-	-	267A	306A	-	-	
2872	-	100	36	16B31	-	-	-	-	-	-	220E	364F	-	-	
2873	30X7 BU	300	36	-	7	1- 1/2	27	5/8	-	-	307I	267A	-	-	
2874	30X7 BU	300	36	-	7	2	26	3/4	-	-	267A	267A	-	-	
2875	30X7 BU	300	36	-	7	2	26	3/4	-	-	267A	3340	-	-	
2876	-	100	36	12B16.5	-	-	-	-	-	-	26.5K	26.5K	-	-	
2877	-	100	50	16WF40	-	-	-	-	-	-	387	29.8K	54	3/4X3	
2878	-	100	36	18WF50	-	-	-	-	-	-	287H	368H	30	3/4X3	
2879	-	100	36	12B19	-	-	-	-	-	-	26.5K	26.5K	36	5/8X2	
2880	-	100	36	8B13	-	-	-	-	-	-	17.4K	17.4K	16	5/8X2	
2881	-	404	36	16WF45	-	-	-	-	-	-	26.5K	274C	26	3/4X3	
2882	-	100	36	16WF36	-	-	-	-	-	-	106E	106E	39	3/4X3H	
2883	-	100	36	16WF40	-	-	-	-	-	-	171A	374A	43	3/4X3H	
2884	-	100	36	16WF36	-	-	-	-	-	-	374A	26.5K	15	3/4X4-1/2C	
2885	-	100	36	16B31	-	-	-	-	-	-	106K	106L	106	3/4X3	
2886	16X8 BU	300	36	-	8	3/4	14-1/2	1/2	-	-	378A	815A	-	-	
2887	16X8 BU	300	36	-	8	1- 1/8	13-3/4	1/2	-	-	815A	378A	-	-	
2888	16X8 BU	300	36	-	8	1- 1/4	13-1/2	9/16	-	-	378A	815A	-	-	
2889	16X8 BX	220	36	-	7-1/4	1- 1/4	16	3/8	-	-	816A	379A	-	-	
2890	16X8 BU	300	36	-	8	1- 1/8	13-3/4	1/2	-	-	378A	815A	-	-	
2891	16X8 BU	300	36	-	8	3/4	14-1/2	1/2	-	-	815A	378A	-	-	
2892	16X8 BX	220	36	-	7-1/4	1- 1/4	16	3/8	-	-	379A	816A	-	-	
2893	16X8 BU	300	36	-	8	1- 1/4	13-1/2	9/16	-	-	815A	378A	-	-	
2894	-	100	36	16WF40	-	-	-	-	-	-	171A	374A	39	3/4X3	
2895	-	100	36	16WF58	-	-	-	-	-	-	463A	26.5K	14	3/4X3	
2896	-	100	36	16WF40	-	-	-	-	-	-	26.5K	242A	39	3/4X3	
2897	27X7 BU	300	36	-	7	1- 1/4	24-1/2	3/4	-	-	278A	479A	-	-	
2898	-	100	36	16WF40	-	-	-	-	-	-	26.5K	26.5K	39	3/4X3	
2899	-	404	36	16WF50	-	-	-	-	-	-	26.5K	26.5K	26	3/4X3	



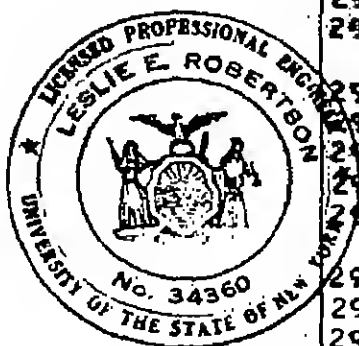
SKILLING-HELLE-CHRISTIANSEN-ROBERTSON

Civil & Structural Engineers

PROJECT		THE WORLD TRADE CENTER			TITLE		BEAM SCHEDULE TOWERS A AND B					DATE		1/22/68	
BEAM NO.	SIZE	TYPE	FY	SHAPE	PLATE 1		PLATE 2		DIMENSIONS		SUPPORTS		STUDS		REMARKS
					WIDTH	THICK	WIDTH	THICK	LENGTH	DIM. A	LEFT	RIGHT	NO.	SIZE	
2900	-	100	36	16WF40	-	-	-	-	-	-	106E	260A	39	3/4X3	
2901	-	100	50	15CH33.9	-	-	-	-	-	-	311D	311D	-	-	
2902	-	100	50	12CH50.0	-	-	-	-	-	-	311D	226A	-	-	
2903	-	100	50	12CH50.0	-	-	-	-	-	-	226A	311C	-	-	
2904	-	100	36	14B22	-	-	-	-	-	-	201H	283U	-	-	
2905	-	100	36	9CH13.4	-	-	-	-	-	-	17.4K	501A	-	-	
2906	-	100	36	16WF40	-	-	-	-	-	-	242B	26.5K	44	3/4X3 ^H	
2907	-	100	36	16WF36	-	-	-	-	-	-	106E	106F	34	3/4X3	
2908	-	100	36	16WF40	-	-	-	-	-	-	26.5K	26.5K	44	3/4X3 ^H	
2909	-	100	36	16WF36	-	-	-	-	-	-	170B	398B	19	3/4X3	
2910	16X4 BX	200	36	-	2-1/2	3/8	16	3/4	-	-	210A	210A	-	-	
2911	-	100	50	16B31	-	-	-	-	-	-	26.5K	26.5K	15	3/4X3	
2912	-	100	36	14B22	-	-	-	-	-	-	201F	26.5K	-	-	
2913	-	100	36	16WF36	-	-	-	-	-	-	377A	377A	8	3/4X3	
2914	-	100	36	8B13	-	-	-	-	-	-	283J	1111	-	-	
2915	-	100	50	15CH40.0	-	-	-	-	-	-	383A	375A	-	-	
2916	-	100	50	15CH40.0	-	-	-	-	-	-	375A	375A	-	-	
2917	-	100	50	15CH40.0	-	-	-	-	-	-	375A	376A	-	-	
2918	-	100	50	15CH40.0	-	-	-	-	-	-	376A	375A	-	-	
2919	-	100	50	15CH40.0	-	-	-	-	-	-	375A	375A	-	-	
2920	-	100	50	15CH40.0	-	-	-	-	-	-	375A	383A	-	-	
2921	-	100	36	16WF36	-	-	-	-	-	-	377A	235B	15	3/4X3	
2922	-	100	36	16WF36	-	-	-	-	-	-	377A	235B	15	3/4X3	
2923	-	100	36	16WF36	-	-	-	-	-	-	235B	377A	15	3/4X3	
2924	-	100	50	16WF50	-	-	-	-	-	-	382B	810A	-	-	
2925	-	100	50	16WF50	-	-	-	-	-	-	401C	401C	-	-	
2926	-	100	50	16WF50	-	-	-	-	-	-	205H	812A	-	-	3
2927	-	100	50	16WF50	-	-	-	-	-	-	812A	205H	-	-	4
2928	-	100	50	16WF50	-	-	-	-	-	-	401C	401C	-	-	
2929	-	100	50	16WF50	-	-	-	-	-	-	810A	382B	-	-	
2930	-	100	50	16WF50	-	-	-	-	-	-	382B	810B	-	-	
2931	-	100	50	16WF50	-	-	-	-	-	-	401C	401C	-	-	
2932	-	100	50	16WF50	-	-	-	-	-	-	205H	335E	-	-	1
2933	-	100	50	16WF50	-	-	-	-	-	-	307F	205H	-	-	2

REMARKS

- 1 DETAIL 405 RIGHT END OF BEAM
- 2 DETAIL 405 LEFT END OF BEAM
- 3 DETAIL 474A RIGHT END OF BEAM
- 4 DETAIL 474A LEFT END OF BEAM



SKILLING-HELLE-CHRISTIANSEN-ROBERTSON

Civil & Structural Engineers

PROJECT		THE WORLD TRADE CENTER			TITLE		BEAM SCHEDULE TOWERS A AND B					DATE		7/17/68	
BEAM NG.	SIZE	TYPE	FY	SHAPE	PLATE 1		PLATE 2		DIMENSIONS		SUPPORTS		STUDS		REMARKS
					WIDTH	THICK	WIDTH	THICK	LENGTH	DIM. A	LEFT	RIGHT	NO.	SIZE	
2934	-	100	50	16WF50	-	-	-	-	-	-	401C	401C	-	-	
2935	-	100	50	16WF50	-	-	-	-	-	-	810B	382B	-	-	
2936	16X8 BX	252	36	-	8	1/2	15	1/2	-	-	383A	382B	-	-	
2937	16X8 BX	252	36	-	8	1/2	15	1/2	-	-	382B	382C	-	-	
2938	16X8 BX	252	36	-	8	1/2	15	1/2	-	-	382C	382A	-	-	5
2939	16X8 BX	252	36	-	8	1/2	15	1/2	-	-	382A	382B	-	-	6
2940	16X8 BX	252	36	-	8	1/2	15	1/2	-	-	382B	383A	-	-	
2941	-	100	36	15CH33.9	-	-	-	-	-	-	SEE	PLAN	-	-	
2942	-	100	36	15CH33.9	-	-	-	-	-	-	SEE	PLAN	-	-	7
2943	-	100	36	15CH33.9	-	-	-	-	-	-	SEE	PLAN	-	-	8
2944	-	100	36	15CH33.9	-	-	-	-	-	-	SEE	PLAN	-	-	
2945	-	100	36	8B13	-	-	-	-	-	-	17.4K	17.4K	-	-	
2946	-	100	36	12B19	-	-	-	-	-	-	474A	26.5K	-	-	
2947	-	100	36	8B13	-	-	-	-	-	-	17.4K	17.4K	11	3/4X3	
2948	-	100	36	8B13	-	-	-	-	-	-	17.4K	17.4K	-	-	
2949	-	100	36	8B13	-	-	-	-	-	-	17.4K	17.4K	8	3/4X3	
2950	-	100	36	16WF96	-	-	-	-	-	-	377A	377A	-	-	
2951	-	100	36	8B13	-	-	-	-	-	-	260C	260C	-	-	
2952	-	100	36	12WF36	-	-	-	-	-	-	370D	235B	-	-	
2953	-	100	36	8B13	-	-	-	-	-	-	452A	452A	-	-	
2954	-	100	36	16B26	-	-	-	-	-	-	346A	201S	6	3/4X3B	
2955	-	100	36	12B16.5	-	-	-	-	-	-	17.4K	346A	-	-	
2956	-	100	36	14B22	-	-	-	-	-	-	26.5K	201S	20	3/4X3	
2957	-	100	36	16WF36	-	-	-	-	-	-	26.5K	26.5K	8	3/4X3	
2958	-	100	50	16WF50	-	-	-	-	-	-	382B	811A	-	-	
2959	-	100	36	16WF40	-	-	-	-	-	-	208F	806B	19	3/4X3	
2960	-	100	50	16WF50	-	-	-	-	-	-	205H	-	-	-	1,
2961	-	100	50	16WF50	-	-	-	-	-	-	-	205H	-	-	2,
2962	-	100	36	16WF36	-	-	-	-	-	-	811B	26.5K	20	3/4X3	
2963	-	100	50	16WF50	-	-	-	-	-	-	811A	382B	-	-	
2964	-	100	50	16WF50	-	-	-	-	-	-	382B	811B	-	-	
2965	-	100	50	16WF50	-	-	-	-	-	-	811B	382B	-	-	
2966	-	100	36	8B13	-	-	-	-	-	-	17.4K	105H	-	-	

REMARKS

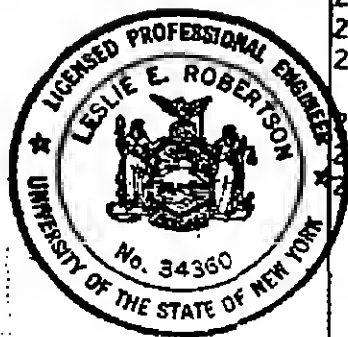
- 1 DETAIL 474A RIGHT END OF BEAM
- 2 DETAIL 474A LEFT END OF BEAM
- 3 SEE 6-AB5-3, FOR RIGHT CONN. DET.
- 4 SEE 6-AB5-3.1, FOR LEFT CONN. DET.
- 5 DETAIL 382D, RIGHT SUPPORT, TOWER B ONLY
- 6 DETAIL 382D, LEFT SUPPORT, TOWER B ONLY
- 7 DETAIL 410B, RIGHT END OF BEAM
- 8 DETAIL 410B, LEFT END OF BEAM



SKILLING, HELLE, CHRISTIANSEN, ROBERTSON

Structural & Civil Engineers

PROJECT					TITLE						DATE				
THE WORLD TRADE CENTER					BEAM SCHEDULE TOWERS A AND B						9/30/69				
BEAM NO.	SIZE	TYPE	FY	SHAPE	PLATE 1		PLATE 2		DIMENSIONS		SUPPORTS		STUDS		REMARKS
					WIDTH	THICK	WIDTH	THICK	LENGTH	DIM. A	LEFT	RIGHT	NO.	SIZE	
2967	-	100	36	18WF45	-	-	-	-	-	-	53.0K	456D	-	-	
2968	-	100	50	12WF45	-	-	-	-	-	-	364B	364B	-	-	
2969	-	100	36	8B13	-	-	-	-	-	-	17.4K	17.4K	-	-	
2970	-	100	36	21WF55	-	-	-	-	-	-	35.0K	60.0K	-	-	
2971	-	100	36	16WF58	-	-	-	-	-	-	26.5K	463A	14	3/4X3	
2972	-	100	36	14B22	-	-	-	-	-	-	26.5K	26.5K	-	-	
2973	-	100	36	12WF27	-	-	-	-	-	-	201Q	105L	13	3/4X4-1/2	X
2974	16X5-1/28X	201	36	-	4	3/8	16	3/4	-	-	296C	296C	-	-	
2975	-	100	36	8B13	-	-	-	-	-	-	201	201	-	-	
2976	-	100	36	9CH13.4	-	-	-	-	-	-	501	517	-	-	
2977	-	100	36	12B16.5	-	-	-	-	-	-	26.5K	26.5K	15	3/4X3	
2978	-	100	36	12B16.5	-	-	-	-	-	-	26.5K	26.5K	15	3/4X3	
2979	15X3-3/8CH	505	36	15CH33.9	2-3/8	5/16	-	-	-	-	315	233	-	-	
2980	-	100	36	16WF40	-	-	-	-	-	-	106E	111M	30	3/4X3	
2981	-	100	36	16WF36	-	-	-	-	-	-	286B	292A	39	3/4X3	
2982	-	100	36	27WF84	-	-	-	-	-	-	482B	482B	8	3/4X3	
2983	-	100	36	12B19	-	-	-	-	-	-	17.4K	17.4K	-	-	
2984	-	100	36	12WF31	-	-	-	-	-	-	364B	364B	-	-	
2985	-	100	36	12WF45	-	-	-	-	-	-	201Q	201Q	12	3/4X3	
2986	-	100	36	12WF45	-	-	-	-	-	-	364B	364B	-	-	
2987	16X8 BU	300	36	-	8	3/4	14-1/2	1/2	-	-	814A	378A	-	-	
2988	16X8 BU	300	36	-	8	1- 1/8	13-3/4	1/2	-	-	378A	814A	-	-	
2989	16X8 BU	300	36	-	8	1- 1/4	13-1/2	9/16	-	-	814A	378A	-	-	
2990	16X8 BX	220	36	-	7-1/4	1- 1/4	16	3/8	-	-	380A	889A	-	-	
2991	16X8 BU	300	36	-	8	1- 1/8	13-3/4	1/2	-	-	814A	378A	-	-	
2992	16X8 BU	300	36	-	8	3/4	14-1/2	1/2	-	-	378A	814A	-	-	
2993	16X8 BX	220	36	-	7-1/4	1- 1/4	16	3/8	-	-	889A	380A	-	-	
2994	16X8 BU	300	36	-	8	1- 1/4	13-1/2	9/16	-	-	378A	814A	-	-	
2995	-	100	36	8B13	-	-	-	-	-	-	105	105	-	-	
2996	-	100	36	14B22	-	-	-	-	-	-	501	201	-	-	
2997	-	100	36	12B19	-	-	-	-	-	-	501	501	-	-	
2998	-	100	36	12B16.5	-	-	-	-	-	-	339	346A	-	-	
2999	-	100	36	16B26	-	-	-	-	-	-	346A	201S	-	-	



SKILLING-HELLE-CHRISTIANSEN-ROBERTSON

Civil & Structural Engineers

PROJECT		THE WORLD TRADE CENTER			TITLE		BEAM SCHEDULE TOWERS A AND B					DATE		1/22/68	
BEAM NO.	SIZE	TYPE	FY	SHAPE	PLATE 1		PLATE 2		DIMENSIONS		SUPPORTS		STUDS		REMARKS
					WIDTH	THICK	WIDTH	THICK	LENGTH	DIM. A	LEFT	RIGHT	NO.	SIZE	
3000	-	100	50	16WF96	-	-	-	-	-	-	377B	377B	8	3/4X3	
3001	-	100	50	16WF36	-	-	-	-	-	-	377B	377B	8	3/4X3	
3002	18X8 BU	300	50	-	8	7/8	16-1/4	1/2	-	-	885A	886A	-	-	
3003	18X8 BU	300	50	-	8	7/8	16-1/4	1/2	-	-	887A	885A	-	-	
3004	18X8 BU	300	50	-	8	7/8	16-1/4	1/2	-	-	884A	887A	-	-	
3005	18X8 BU	300	50	-	8	7/8	16-1/4	1/2	-	-	885A	884A	40	3/4X3	
3006	18X8 BU	300	50	-	8	7/8	16-1/4	1/2	-	-	886A	885A	-	-	
3007	18X8 BU	300	50	-	8	7/8	16-1/4	1/2	-	-	886A	885A	28	3/4X3	
3008	18X8 BU	300	50	-	8	7/8	16-1/4	1/2	-	-	885A	884A	40	3/4X3	
3009	18X8 BU	300	50	-	8	7/8	16-1/4	1/2	-	-	884A	883A	20	3/4X3	
3010	24X8 BU	300	50	-	8	1	22	3/4	-	-	883A	881A	-	-	
3011	24X8 BU	300	50	-	8	1	22	3/4	-	-	881A	879A	-	-	
3012	-	100	50	16WF36	-	-	-	-	-	-	377B	377B	8	3/4X3	
3013	-	100	50	16WF96	-	-	-	-	-	-	377B	377B	8	3/4X3	
3014	-	100	50	18WF45	-	-	-	-	-	-	235B	377B	15	3/4X3	
3015	-	100	50	18WF45	-	-	-	-	-	-	802B	800B	8	3/4X3	
3016	-	100	50	18WF45	-	-	-	-	-	-	801B	803D	10	3/4X3	
3017	-	100	50	18WF45	-	-	-	-	-	-	804B	803D	10	3/4X3	
3018	-	100	50	18WF45	-	-	-	-	-	-	801B	804B	24	3/4X3	
3019	-	100	50	18WF45	-	-	-	-	-	-	804D	802B	20	3/4X3	
3020	-	100	50	18WF45	-	-	-	-	-	-	26.5K	802B	-	-	
3021	-	100	50	18WF45	-	-	-	-	-	-	174A	803E	-	-	
3022	-	100	50	18WF45	-	-	-	-	-	-	803D	804B	10	3/4X3	
3023	-	100	50	18WF45	-	-	-	-	-	-	803E	174A	-	-	
3024	-	100	50	18WF45	-	-	-	-	-	-	803D	801B	10	3/4X3	
3025	-	100	50	18WF45	-	-	-	-	-	-	800B	26.5K	24	3/4X3	
3026	-	100	50	18WF45	-	-	-	-	-	-	802B	801B	10	3/4X3	
3027	-	100	50	18WF45	-	-	-	-	-	-	26.5K	802B	-	-	
3028	-	100	50	18WF45	-	-	-	-	-	-	802B	804D	20	3/4X3	
3029	-	100	50	18WF45	-	-	-	-	-	-	803C	806C	10	3/4X3	
3030	-	100	50	18WF45	-	-	-	-	-	-	803C	26.5K	-	-	
3031	-	100	50	18WF45	-	-	-	-	-	-	803C	807B	10	3/4X3	
3032	-	100	50	18WF45	-	-	-	-	-	-	805B	807B	10	3/4X3	
3033	-	100	50	18WF45	-	-	-	-	-	-	335F	805B	15	3/4X3	



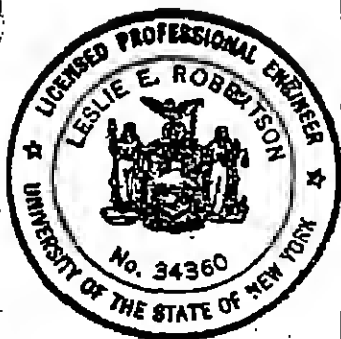
SKILLING, HELLE, CHRISTIANSEN, ROBERTSON

Structural & Civil Engineers

PROJECT					TITLE							DATE			
THE WORLD TRADE CENTER					BEAM SCHEDULE TOWERS A AND B							08/15/69			
BEAM NO.	SIZE	TYPE	FY	SHAPE	PLATE 1		PLATE 2		DIMENSIONS		SUPPORTS		STUDS		REMARKS
					WIDTH	THICK	WIDTH	THICK	LENGTH	DIM. A	LEFT	RIGHT	NO.	SIZE	
3034	-	100	36	12WF50	-	-	-	-	-	-	283A	283A	-	-	
3035	-	100	36	14B22	-	-	-	-	-	-	26.5K	201S	20	3/4X3	
3036	-	100	36	12WF31	-	-	-	-	-	-	201Q	17.4K	-	-	8
3037	-	100	50	16WF50	-	-	-	-	-	-	201X	179A	12	3/4X3C	
3038	-	100	50	16WF78	-	-	-	-	-	-	35.0K	50.0K	80	3/4X3	
3039	-	100	50	16WF45	-	-	-	-	-	-	106E	106E	39	3/4X3	X
3040	-	100	36	12B19	-	-	-	-	-	-	17.4K	292A	22	3/4X3	
3041	-	100	36	16WF36	-	-	-	-	-	-	292A	26.5K	-	-	
3042	-	100	50	12B19	-	-	-	-	-	-	17.4K	17.4K	14	3/4X3	
3043	-	100	36	8B13	-	-	-	-	-	-	481A	105H	-	-	
3044	-	100	36	16B31	-	-	-	-	-	-	26.5K	26.5K	-	-	
3045	-	100	36	12B19	-	-	-	-	-	-	17.4K	17.4K	-	-	
3046	-	100	36	16B26	-	-	-	-	-	-	26.5K	26.5K	-	-	
3047	-	100	36	12B19	-	-	-	-	-	-	17.4K	17.4K	-	-	
3048	-	100	36	8B13	-	-	-	-	-	-	17.4K	17.4K	-	-	
3049	-	100	36	14B22	-	-	-	-	-	-	106	106	-	-	
3050	-	100	36	12B16.5	-	-	-	-	-	-	346	201	-	-	
3051	-	100	36	12B16.5	-	-	-	-	-	-	17.4K	295	-	-	
3052	-	100	36	12B16.5	-	-	-	-	-	-	295	503	-	-	
3053	-	100	36	12B16.5	-	-	-	-	-	-	357	346	-	-	
3054	-	100	36	12WF36	-	-	-	-	-	-	3700	235E	-	-	
3055	-	100	50	16WF50	-	-	-	-	-	-	812B	205H	-	-	
3056	16X8 BX	252	36		8	1/2	15	1/2	-	-	382A	812B	-	-	7
3057	-	100	50	16WF50	-	-	-	-	-	-	-	335E	-	-	1,4
3058	-	100	50	16WF50	-	-	-	-	-	-	205H	810A	-	-	2
3059	16X8 BX	252	36		8	1/2	15	1/2	-	-	812B	382C	-	-	
3060	-	100	50	16WF50	-	-	-	-	-	-	205H	812B	-	-	
3061	-	100	50	16WF50	-	-	-	-	-	-	812B	205H	-	-	
3062	-	100	36	16WF40	-	-	-	-	-	-	208F	335E	19	3/4X3	
3063	-	100	50	16WF50	-	-	-	-	-	-	-	335E	-	-	3,6
3064	-	100	50	16WF50	-	-	-	-	-	-	307F	-	-	-	5
3065	16X8 BX	252	36		8	1/2	15	1/2	-	-	812B	383A	-	-	
3066	-	100	50	16WF50	-	-	-	-	-	-	205H	812B	-	-	

REMARKS

- 1 DETAIL 474A RIGHT END OF BEAM
- 2 DETAIL 474A LEFT END OF BEAM
- 3 DETAIL 405 RIGHT END OF BEAM
- 4 SEE 6-AB5-3 FOR LEFT CONN. DET.
- 5 SEE 6-AB5-4 FOR RIGHT CONN. DET.
- 6 SEE 6-AB5-4 FOR LEFT CONN. DET.
- 7 DETAIL 382D, LEFT SUPPORT, TOWER B ONLY
- 8 AT FLOOR 106 TOWERS A&B USE STUDS 16-3/4X3



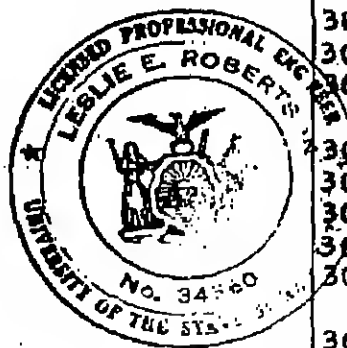
SKILLING-HELLE-CHRISTIANSEN-ROBERTSON

Civil & Structural Engineers

PROJECT THE WORLD TRADE CENTER					TITLE BEAM SCHEDULE TOWERS A AND B							DATE 1/22/68			
BEAM NO.	SIZE	TYPE	FY	SHAPE	PLATE 1		PLATE 2		DIMENSIONS		SUPPORTS		STUDS		REMARKS
					WIDTH	THICK	WIDTH	THICK	LENGTH	DIM. A	LEFT	RIGHT	NO.	SIZE	
3067	-	100	36	8B13	-	-	-	-	-	-	17.4K	468	-	-	
3068	-	100	36	12WF36	-	-	-	-	-	-	307E	287B	-	-	
3069	-	100	36	12B19	-	-	-	-	-	-	26.5K	481	-	-	
3070	-	100	36	30WF116	-	-	-	-	-	-	494	494	-	-	8 3/4X3
3071	-	100	36	16WF36	-	-	-	-	-	-	292	26.5K	-	-	
3072	-	100	36	16B26	-	-	-	-	-	-	26.5K	26.5K	-	-	
3073	25X7 BU	300	36	-	7	1- 1/2	22	3/4	-	-	479A	278A	-	-	
3074	38X7 BU	301	36	-	7	1- 1/2	35	3/4	-	-	171B	242B	-	-	
3075	-	100	36	30WF116	-	-	-	-	-	-	106P	106P	-	-	12 3/4X3
3076	30X7 BU	300	36	-	7	1- 1/8	27-3/4	5/8	-	-	106P	215C	-	-	12 3/4X3C
3077	-	100	36	14B22	-	-	-	-	-	-	217B	218B	-	-	8 3/4X3
3078	-	100	50	16WF36	-	-	-	-	-	-	105	26.5K	-	-	30 3/4X3
3079	-	100	50	16B26	-	-	-	-	-	-	26.5K	26.5K	-	-	15 3/4X3C
3080	-	100	50	16B26	-	-	-	-	-	-	26.5K	26.5K	-	-	40 3/4X3
3081	-	100	50	16WF36	-	-	-	-	-	-	105	26.5K	-	-	
3082	-	100	50	16B26	-	-	-	-	-	-	26.5K	105	-	-	40 3/4X3
3083	-	100	36	30WF116	-	-	-	-	-	-	494	K	-	-	40 3/4X3
3084	-	100	36	8B13	-	-	-	-	-	-	105	105	-	-	12 3/4X3
3085	16X4 BX	200	36	-	2-1/2	3/8	16	3/4	-	-	210	210	-	-	12 3/4X3
3086	-	100	36	16B26	-	-	-	-	-	-	26.5K	208	-	-	
3087	-	100	36	14B22	-	-	-	-	-	-	339	105	-	-	12 3/4X3
3088	-	100	36	16B26	-	-	-	-	-	-	346	201	-	-	
3089	-	100	36	12B16.5	-	-	-	-	-	-	26.5K	26.5K	-	-	
3090	-	100	36	12WF27	-	-	-	-	-	-	105	105	-	-	
3091	-	100	50	30WF116	-	-	-	-	-	-	K	494	-	-	40 3/4X3
3092	-	100	50	16B26	-	-	-	-	-	-	105	26.5K	-	-	40 3/4X3
3093	-	100	50	16B26	-	-	-	-	-	-	26.5K	105	-	-	40 3/4X3
3094	-	100	50	16B26	-	-	-	-	-	-	26.5K	26.5K	-	-	40 3/4X3
3095	-	100	50	16WF36	-	-	-	-	-	-	105	26.5K	-	-	56 3/4X3
3096	-	100	50	16WF36	-	-	-	-	-	-	170	105	-	-	56 3/4X3
3097	-	100	50	16B26	-	-	-	-	-	-	105	26.5K	-	-	40 3/4X3
3098	-	100	36	12CM20.7	-	-	-	-	-	-	26.5K	26.5K	-	-	
3099	-	100	50	16B26	-	-	-	-	-	-	266	357	-	-	40 3/4X3

REMARKS

1 REINF. PLATES 5FT-9 X 3/4



SKILLING, HELLE, CHRISTIANSEN, ROBERTSON

Structural & Civil Engineers

PROJECT

THE WORLD TRADE CENTER

TITLE

BEAM SCHEDULE TOWERS A AND B

DATE

7/17/68

REVISIONS

BEAM NO.	SIZE	TYPE	FY	SHAPE	PLATE 1		PLATE 2		DIMENSIONS		SUPPORTS		STUDS		REMARKS
					WIDTH	THICK	WIDTH	THICK	LENGTH	DIM. A	LEFT	RIGHT	NO.	SIZE	
3100	-	100	36	8B13	-	-	-	-	-	-	17.4K	17.4K	-	-	
3101	-	100	50	12WF120	-	-	-	-	-	-	238C	294A	-	-	
3102	-	100	50	12WF120	-	-	-	-	-	-	294A	331A	-	-	
3103	-	100	50	12WF120	-	-	-	-	-	-	337A	294A	-	-	
3104	-	100	50	12WF120	-	-	-	-	-	-	294A	238A	-	-	
3105	12X5-1/2BX	200	36	-	3	3/8	12	1- 1/4	-	-	247F	294A	-	-	X
3106	-	100	36	12WF72	-	-	-	-	-	-	317A	370F	-	-	
3107	16X4 BU	300	36	-	4	3/4	14-1/2	3/8	-	-	26.5K	26.5K	-	-	
3108	-	100	36	12WF27	-	-	-	-	-	-	111H	111H	-	-	
3109	-	100	50	12B19	-	-	-	-	-	-	26.5K	208E	-	-	
3110	12X5-1/2BX	200	36	-	3	3/8	12	1- 1/4	-	-	372B	331A	-	-	
3111	-	100	36	12WF65	-	-	-	-	-	-	445A	445A	-	-	
3112	-	100	36	12WF50	-	-	-	-	-	-	445A	445A	-	-	
3113	-	100	50	12WF79	-	-	-	-	-	-	220H	287F	-	-	
3114	-	100	50	12WF79	-	-	-	-	-	-	287F	287F	-	-	
3115	-	100	50	12WF36	-	-	-	-	-	-	287F	287B	-	-	
3116	-	100	50	12WF27	-	-	-	-	-	-	287B	287F	-	-	
3117	-	100	50	12WF79	-	-	-	-	-	-	287F	287F	-	-	
3118	-	100	50	12WF79	-	-	-	-	-	-	287F	220H	-	-	
3119	-	100	50	8B13	-	-	-	-	-	-	17.4K	17.4K	-	-	
3120	-	100	36	8B13	-	-	-	-	-	-	111N	105C	-	-	
3121	-	100	36	9CH13.4	-	-	-	-	-	-	17.4K	17.4K	-	-	
3122	-	100	50	12WF27	-	-	-	-	-	-	208E	350C	-	-	
3123	-	100	50	14B22	-	-	-	-	-	-	283I	170C	18	3/4X3	
3124	-	100	50	12WF31	-	-	-	-	-	-	217A	350C	-	-	
3125	-	100	36	8B13	-	-	-	-	-	-	260C	111H	-	-	
3126	-	100	36	12WF58	-	-	-	-	-	-	445A	445A	-	-	
3127	-	100	36	12WF79	-	-	-	-	-	-	220H	205B	-	-	
3128	-	100	36	12WF79	-	-	-	-	-	-	205B	364B	-	-	
3129	-	100	36	16B31	-	-	-	-	-	-	220E	254C	-	-	
3130	-	100	36	16B31	-	-	-	-	-	-	254C	254C	-	-	
3131	-	100	36	16B31	-	-	-	-	-	-	254C	220G	-	-	
3132	-	100	36	16B31	-	-	-	-	-	-	220G	254C	-	-	
3133	-	100	36	12WF72	-	-	-	-	-	-	370F	317A	-	-	

REMARKS

1 RIGHT SUPPORT REINFORCED, SEE 20-AB-3

* HOLD



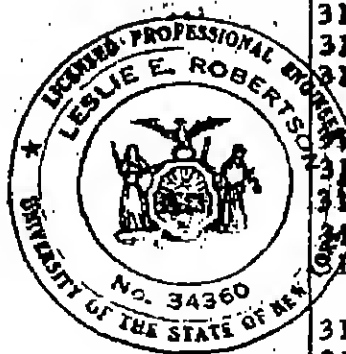
SKILLING-HELLE-CHRISTIANSEN-ROBERTSON

Civil & Structural Engineers

PROJECT	THE WORLD TRADE CENTER	TITLE	BEAM SCHEDULE TOWERS A AND B	DATE	1/22/68
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REVISIONS

BEAM NO.	SIZE	TYPE	FY	SHAPE	PLATE 1		PLATE 2		DIMENSIONS		SUPPORTS		STUDS		REMARKS
					WIDTH	THICK	WIDTH	THICK	LENGTH	DIM. A	LEFT	RIGHT	NO.	SIZE	
3134	-	100	36	12WF31	-	-	-	-	-	-	283M	337A	-	-	
3135	16X5-1/2BX	208	36	-	3-3/4	3/8	16	7/8	-	-	464	464	-	-	
3136	-	100	50	12WF36	-	-	-	-	-	-	350C	370D	-	-	
3137	16X5-1/2BX	200	36	-	4	1/4	16	3/4	-	-	206	26.5K	-	-	
3138	16X5-1/2BX	208	36	-	3-3/4	3/8	16	7/8	-	-	254B	247C	-	-	
3139	-	100	36	24I79.9	-	-	-	-	-	-	359A	205B	-	-	
3140	-	100	36	24I79.9	-	-	-	-	-	-	409A	409A	-	-	
3141	-	100	50	12B22	-	-	-	-	-	-	283I	26.5K	-	-	
3142	-	100	36	12WF27	-	-	-	-	-	-	208E	217A	-	-	
3143	-	100	36	8B13	-	-	-	-	-	-	17.4K	17.4K	-	-	
3144	-	100	36	16B26	-	-	-	-	-	-	106	106	-	-	
3145	-	100	36	14B22	-	-	-	-	-	-	26.5K	26.5K	-	-	
3146	-	100	36	16B31	-	-	-	-	-	-	220G	254B	-	-	
3147	-	100	36	16WF45	-	-	-	-	-	-	220H	205D	-	-	
3148	-	100	36	16WF40	-	-	-	-	-	-	401B	401B	-	-	
3149	-	100	36	16WF45	-	-	-	-	-	-	205D	310C	-	-	
3150	-	100	36	16WF45	-	-	-	-	-	-	307D	310C	-	-	
3151	-	100	36	24I79.9	-	-	-	-	-	-	205B	220F	-	-	
3152	-	100	36	24I79.9	-	-	-	-	-	-	220F	205B	-	-	
3153	-	100	36	12WF72	-	-	-	-	-	-	317A	317A	-	-	
3154	-	100	36	12WF79	-	-	-	-	-	-	370G	317A	-	-	
3155	-	100	36	12WF65	-	-	-	-	-	-	445A	445A	-	-	
3156	-	100	36	12WF72	-	-	-	-	-	-	317A	317A	-	-	
3157	-	100	36	12WF50	-	-	-	-	-	-	445A	445A	-	-	
3158	-	100	36	12WF72	-	-	-	-	-	-	317A	370F	-	-	
3159	-	100	36	12WF79	-	-	-	-	-	-	364B	205A	-	-	
3160	-	100	36	12WF58	-	-	-	-	-	-	445A	445A	-	-	
3161	-	100	36	12WF79	-	-	-	-	-	-	205B	220H	-	-	
3162	-	100	36	12WF65	-	-	-	-	-	-	220H	205A	-	-	
3163	-	100	36	12WF58	-	-	-	-	-	-	445A	445A	-	-	
3164	-	100	36	12WF65	-	-	-	-	-	-	205A	364B	-	-	
3165	-	100	36	12WF72	-	-	-	-	-	-	364B	205B	-	-	
3166	-	100	36	12WF58	-	-	-	-	-	-	445A	445A	-	-	



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BEAM NO.	SIZE	TYPE	FY	SHAPE	PLATE 1		PLATE 2		DIMENSIONS		SUPPORTS		STUDS		REMARKS
					WIDTH	THICK	WIDTH	THICK	LENGTH	DIM. A	LEFT	RIGHT	NO.	SIZE	
3167	-	100	36	12WF65	-	-	-	-	-	-	205A	220H	-	-	
3168	-	100	36	16B31	-	-	-	-	-	-	254C	254C	-	-	
3169	-	100	36	16B31	-	-	-	-	-	-	254C	220E	-	-	
3170	-	100	36	16B31	-	-	-	-	-	-	220E	254B	-	-	
3171	-	100	36	16B31	-	-	-	-	-	-	254B	254B	-	-	
3172	-	100	36	16B31	-	-	-	-	-	-	254B	220G	-	-	
3173	-	100	36	16B31	-	-	-	-	-	-	254B	254B	-	-	
3174	-	100	36	16B31	-	-	-	-	-	-	254B	220E	-	-	
3175	-	100	36	16WF40	-	-	-	-	-	-	401	401	-	-	
3176	-	100	36	14B22	-	-	-	-	-	-	26.5K	201	20	3/4X3	
3177	-	100	50	16B31	-	-	-	-	-	-	26.5K	26.5K	4P	3/4X3	
3178	-	100	50	14B22	-	-	-	-	-	-	26.5K	201	34	3/4X3	
3179	-	100	50	16B26	-	-	-	-	-	-	105	26.5K	40	3/4X3	
3180	-	100	50	30WF116	-	-	-	-	-	-	K	494	40	3/4X3	
3181	-	100	50	16B26	-	-	-	-	-	-	26.5K	26.5K	15	3/4X3	
3182	-	100	50	16B26	-	-	-	-	-	-	201	105	15	3/4X3	
3183	-	100	36	12WF27	-	-	-	-	-	-	26.5K	26.5K	-	-	
3184	16X5-1/2BX	200	36	-	4	1/4	16	3/4	-	-	296	296	-	-	
3185	16X5-1/2BX	200	36	-	4	1/4	16	3/4	-	-	450	450	-	-	
3186	-	100	50	16B26	-	-	-	-	-	-	269	216	19	3/4X3	
3187	-	100	50	16B26	-	-	-	-	-	-	201	266	19	3/4X3	
3188	-	100	50	14B22	-	-	-	-	-	-	26.5K	26.5K	12	3/4X3	
3189	-	100	50	12WF27	-	-	-	-	-	-	354	26.5K	15	3/4X3	
3190	-	100	50	16B26	-	-	-	-	-	-	26.5K	26.5K	15	3/4X3	
3191	-	100	50	16B26	-	-	-	-	-	-	201	201	15	3/4X3	
3192	-	100	50	16B26	-	-	-	-	-	-	26.5K	26.5K	15	3/4X3	
3193	-	100	50	21WF55	-	-	-	-	-	-	106	106	-	-	
3194	-	100	50	21WF55	-	-	-	-	-	-	106	106	39	3/4X3	
3195	-	100	36	16WF50	-	-	-	-	-	-	106	106	12	3/4X3	
3196	-	100	36	16B26	-	-	-	-	-	-	342	342	-	-	
3197	-	100	50	21WF55	-	-	-	-	-	-	106	106	20	3/4X3	
3198	-	100	50	21WF55	-	-	-	-	-	-	106	106	20	3/4X3	
3199	-	100	50	21WF55	-	-	-	-	-	-	106	106	20	3/4X3	



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BEAM NO.	SIZE	TYPE	FY	SHAPE	PLATE 1		PLATE 2		DIMENSIONS		SUPPORTS		STUDS		REMARKS
					WIDTH	THICK	WIDTH	THICK	LENGTH	DIM. A	LEFT	RIGHT	NO.	SIZE	
3200	-	100	50	30WF116	-	-	-	-	-	-	314	106	20	3/4X3	
3201	-	100	50	21WF62	-	-	-	-	-	-	35.3K	292	26	3/4X3	
3202	-	100	36	16B26	-	-	-	-	-	-	208	216	8	3/4X3	
3203	16X7 WF	402	50	12WF40	6	3/4	-	-	-	-	26.5K	26.5K	47	3/4X3	
3204	-	100	50	30WF116	-	-	-	-	-	-	106	314	20	3/4X3	
3205	-	100	50	30WF116	-	-	-	-	-	-	106	106	20	3/4X3	
3206	-	100	50	21WF62	-	-	-	-	-	-	106	106	42	3/4X3	
3207	-	100	50	16WF40	-	-	-	-	-	-	26.5K	26.5K	20	3/4X3	
3208	-	100	36	12B16.5	-	-	-	-	-	-	339	346	-	-	
3209	-	404	36	18WF45	-	-	-	-	-	-	26.5K	26.5K	26	3/4X3	
3210	-	100	50	30WF116	-	-	-	-	-	-	106	106	20	3/4X3	
3211	-	100	50	21WF55	-	-	-	-	-	-	106	106	54	3/4X3	
3212	-	100	50	21WF55	-	-	-	-	-	-	106	214	12	3/4X3	
3213	-	100	50	21WF55	-	-	-	-	-	-	35.3K	35.3K	20	3/4X3	
3214	-	100	36	16B26	-	-	-	-	-	-	216	266	8	3/4X3	
3215	21X7 BU	300	36	-	7	1	19-1/2	3/8	-	-	266	106	-	-	
3216	-	100	50	24WF84	-	-	-	-	-	-	106	106	20	3/4X3	
3217	-	100	50	21WF55	-	-	-	-	-	-	106	106	57	3/4X3	
3218	-	100	36	16B31	-	-	-	-	-	-	453	26.5K	-	-	
3219	-	100	36	16B31	-	-	-	-	-	-	26.5K	26.5K	-	-	
3220	-	100	36	16WF58	-	-	-	-	-	-	357	106	-	-	
3221	-	100	36	16WF58	-	-	-	-	-	-	106	106	-	-	
3222	-	100	36	16WF58	-	-	-	-	-	-	106	106	-	-	
3223	-	100	36	16WF58	-	-	-	-	-	-	106	106	-	-	
3224	-	100	36	16WF58	-	-	-	-	-	-	106	314	15	3/4X3	
3225	-	100	36	12B16.5	-	-	-	-	-	-	26.5K	26.5K	-	-	
3226	-	100	36	14B22	-	-	-	-	-	-	26.5K	26.5K	-	-	
3227	-	100	36	14B22	-	-	-	-	-	-	105	201	-	-	
3228	-	100	36	14B22	-	-	-	-	-	-	216	26.5K	-	-	
3229	-	100	36	12WF31	-	-	-	-	-	-	102	102	12	3/4X3	
3230	-	100	36	16WF50	-	-	-	-	-	-	106	314	30	3/4X3	
3231	-	100	36	10WF25	-	-	-	-	-	-	505	511	30	3/4X3	
3232	-	100	50	12B19	-	-	-	-	-	-	106	26.5K	8	3/4X3	
3233	-	100	50	16B26	-	-	-	-	-	-	105	26.5K	40	3/4X3	



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BEAM NO.	SIZE	TYPE	FY	SHAPE	PLATE 1		PLATE 2		DIMENSIONS		SUPPORTS		STUDS		REMARKS
					WIDTH	THICK	WIDTH	THICK	LENGTH	DIM. A	LEFT	RIGHT	NO.	SIZE	
3234	-	100	36	16B26	-	-	-	-	-	-	106	106	-	-	
3235	-	100	36	16B26	-	-	-	-	-	-	26.5K	105	26	3/4X3	
3236	-	100	50	16B26	-	-	-	-	-	-	106	201	40	3/4X3	
3237	-	100	36	16WF36	-	-	-	-	-	-	26.5K	26.5K	-	-	
3238	-	100	50	16B26	-	-	-	-	-	-	105	201	40	3/4X3	
3239	-	100	36	14B22	-	-	-	-	-	-	216	269	16	3/4X3	
3240	-	100	50	12B16.5	-	-	-	-	-	-	26.5K	26.5K	26	3/4X3	
3241	-	100	50	16B26	-	-	-	-	-	-	105	201	16	3/4X3	
3242	-	100	36	10WF21	-	-	-	-	-	-	17.4K	17.4K	30	3/4X3	
3243	-	100	50	16B26	-	-	-	-	-	-	26.5K	106	40	3/4X3	
3244	-	100	50	16B26	-	-	-	-	-	-	26.5K	26.5K	40	3/4X3	
3245	-	100	36	18WF45	-	-	-	-	-	-	26.5K	26.5K	-	-	
3246	-	100	36	18WF45	-	-	-	-	-	-	26.5K	26.5K	-	-	
3247	-	100	36	24WF110	-	-	-	-	-	-	35.3K	35.3K	-	-	
3248	-	100	36	30WF108	-	-	-	-	-	-	44.2K	201	-	-	
3249	-	100	36	30WF99	-	-	-	-	-	-	201	201	-	-	
3250	-	100	36	12CH20.7	-	-	-	-	-	-	26.5K	26.5K	-	-	
3251	30X6 BU	300	36	-	6	1- 3/4	26-1/2	3/4	-	-	44.2K	201	-	-	
3252	30X6 BU	300	36	-	6	1- 3/4	26-1/2	3/4	-	-	346	201	-	-	
3253	38X7 BU	301	36	-	7	1- 1/2	35	5/8	-	-	. K	. K	-	-	
3254	20X7 BU	300	36	-	7	1- 1/2	17	1/2	-	-	105	26.5K	-	-	
3255	-	100	50	16WF36	-	-	-	-	-	-	106	106	47	3/4X3	
3256	-	100	36	21WF35	-	-	-	-	-	-	105	35.3K	-	-	
3257	-	100	36	16WF40	-	-	-	-	-	-	106	106	-	-	
3258	-	100	36	16WF40	-	-	-	-	-	-	314	106	36	3/4X3	
3259	-	100	36	16WF58	-	-	-	-	-	-	354	106	-	-	
3260	-	100	36	16WF58	-	-	-	-	-	-	106	336	-	-	
3261	-	100	36	16WF58	-	-	-	-	-	-	106	106	-	-	
3262	-	100	36	12WF27	-	-	-	-	-	-	105	201	-	-	
3263	-	100	36	12WF45	-	-	-	-	-	-	105	314	-	-	
3264	-	100	36	16WF50	-	-	-	-	-	-	314	106	-	-	
3265	-	100	36	16WF50	-	-	-	-	-	-	106	106	-	-	
3266	-	100	36	12WF27	-	-	-	-	-	-	105	105	-	-	

REMARKS

1 REINF. PLATES 6-6 X 3/4



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REVISIONS

BEAM NO.	SIZE	TYPE	FY	SHAPE	PLATE 1		PLATE 2		DIMENSIONS		SUPPORTS		STUDS		REMARKS
					WIDTH	THICK	WIDTH	THICK	LENGTH	DIM. A	LEFT	RIGHT	NO.	SIZE	
3267	-	100	36	12WF27	-	-	-	-	-	-	105	105	-	-	
3268	-	100	36	12WF27	-	-	-	-	-	-	26.5K	26.5K	-	-	
3269	-	100	36	16WF45	-	-	-	-	-	-	26.5K	26.5K	-	-	
3270	-	100	36	18WF50	-	-	-	-	-	-	106	106	-	-	
3271	18X4 BU	300	36	-	4	1	16	3/8	-	-	357	201	-	-	
3272	-	100	36	14B22	-	-	-	-	-	-	26.5K	213	-	-	
3273	-	100	36	16B26	-	-	-	-	-	-	339	105	-	-	
3274	-	100	50	16WF36	-	-	-	-	-	-	105	26.5K	47	3/4X3	
3275	-	100	50	16WF45	-	-	-	-	-	-	26.5K	26.5K	39	3/4X3	
3276	-	100	50	16WF36	-	-	-	-	-	-	342	26.5K	47	3/4X3	
3277	-	100	50	16WF36	-	-	-	-	-	-	26.5K	105	47	3/4X3	
3278	-	100	50	14B22	-	-	-	-	-	-	26.5K	357	34	3/4X3	
3279	-	100	36	12B16.5	-	-	-	-	-	-	339	346	-	-	
3280	-	100	36	16WF58	-	-	-	-	-	-	106	106	-	-	
3281	-	100	36	16WF58	-	-	-	-	-	-	106	214	20	3/4X3	
3282	-	100	36	16WF58	-	-	-	-	-	-	295	295	-	-	
3283	-	100	36	16WF58	-	-	-	-	-	-	336	106	-	-	
3284	-	100	36	12WF45	-	-	-	-	-	-	314	105	-	-	
3285	-	100	36	12WF27	-	-	-	-	-	-	201	105	-	-	
3286	-	100	50	16WF36	-	-	-	-	-	-	26.5K	26.5K	56	3/4X3	
3287	-	100	36	16WF40	-	-	-	-	-	-	26.5K	26.5K	-	-	
3288	-	100	36	16WF40	-	-	-	-	-	-	26.5K	26.5K	39	3/4X3	
3289	-	100	50	16WF40	-	-	-	-	-	-	106	314	62	3/4X3	
3290	-	100	50	16WF40	-	-	-	-	-	-	201	105	62	3/4X3	
3291	-	100	50	16WF40	-	-	-	-	-	-	26.5K	342	19	3/4X3	
3292	-	100	36	14B22	-	-	-	-	-	-	106	269	-	-	
3293	-	100	36	14B22	-	-	-	-	-	-	216	216	-	-	
3294	-	100	36	16B26	-	-	-	-	-	-	342	214	-	-	
3295	30X7 BU	300	36	-	7	1- 1/2	27	1/2	-	-	214	106	-	-	
3296	30X7 BU	300	36	-	7	1- 1/2	27	1/2	-	-	106	106	-	-	
3297	-	100	36	16WF58	-	-	-	-	-	-	106	106	-	-	
3298	-	100	36	16WF58	-	-	-	-	-	-	295	295	-	-	
3299	-	100	36	16WF58	-	-	-	-	-	-	106	106	-	-	



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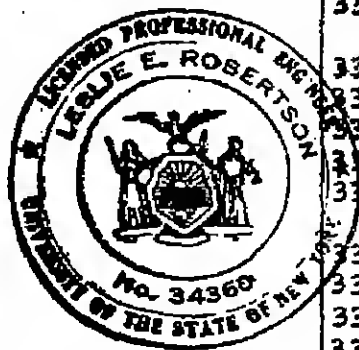
BEAM SCHEDULE TOWERS A AND B

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REVISIONS

BEAM NO.	SIZE	TYPE	FY	SHAPE	PLATE 1		PLATE 2		DIMENSIONS		SUPPORTS		STUDS		REMARKS
					WIDTH	THICK	WIDTH	THICK	LENGTH	DIM. A	LEFT	RIGHT	NO.	SIZE	
3300	-	100	36	16WF58	-	-	-	-	-	-	106	357	-	-	
3301	-	100	50	14B22	-	-	-	-	-	-	26.5K	26.5K	34	3/4X3	
3302	-	100	36	12WF27	-	-	-	-	-	-	201	105	-	-	
3303	-	100	36	12WF27	-	-	-	-	-	-	201	105	-	-	
3304	-	100	36	10WF21	-	-	-	-	-	-	17.4K	17.4K	-	-	
3305	-	100	36	10WF21	-	-	-	-	-	-	17.4K	17.4K	-	-	
3306	-	100	50	16B26	-	-	-	-	-	-	26.5K	26.5K	40	3/4X3	
3307	-	100	50	16B26	-	-	-	-	-	-	105	201	40	3/4X3	
3308	-	100	50	16B26	-	-	-	-	-	-	26.5K	26.5K	40	3/4X3	
3309	-	100	50	16B26	-	-	-	-	-	-	26.5K	26.5K	40	3/4X3	
3310	-	100	36	16B26	-	-	-	-	-	-	26.5K	26.5K	-	-	
3311	-	100	36	16B26	-	-	-	-	-	-	26.5K	26.5K	-	-	
3312	-	100	50	16B26	-	-	-	-	-	-	105	201	40	3/4X3	
3313	-	100	36	16B26	-	-	-	-	-	-	216	269	34	3/4X3	
3314	-	100	36	16B26	-	-	-	-	-	-	105	201	-	-	
3315	-	100	50	16B26	-	-	-	-	-	-	26.5K	26.5K	40	3/4X3	
3316	-	100	50	16B26	-	-	-	-	-	-	105	201	40	3/4X3	
3317	-	100	50	16B26	-	-	-	-	-	-	26.5K	26.5K	40	3/4X3	
3318	-	100	50	16B26	-	-	-	-	-	-	26.5K	26.5K	40	3/4X3	
3319	-	100	50	16B26	-	-	-	-	-	-	105	201	40	3/4X3	
3320	-	100	50	16B26	-	-	-	-	-	-	26.5K	26.5K	40	3/4X3	
3321	-	100	50	16B26	-	-	-	-	-	-	26.5K	26.5K	40	3/4X3	
3322	-	100	50	16B26	-	-	-	-	-	-	26.5K	105	40	3/4X3	
3323	-	100	36	16WF40	-	-	-	-	-	-	26.5K	26.5K	-	-	
3324	-	100	36	21WF62	-	-	-	-	-	-	44.2K	44.2K	-	-	
3325	-	100	50	16B26	-	-	-	-	-	-	26.5K	26.5K	40	3/4X3	
3326	-	100	36	10WF21	-	-	-	-	-	-	354	17.4K	-	-	
3327	-	100	36	30WF116	-	-	-	-	-	-	494	494	30	3/4X3	
3328	-	100	36	30WF116	-	-	-	-	-	-	494	494	30	3/4X3	
3329	-	100	50	16B26	-	-	-	-	-	-	26.5K	105	40	3/4X3	
3330	-	100	50	21WF62	-	-	-	-	-	-	105	35.3K	22	3/4X3	
3331	20X6 BU	300	36	-	6	1	18	3/8	-	-	105	26.5K	-	-	
3332	-	100	50	16WF58	-	-	-	-	-	-	360	201	30	3/4X3	
3333	-	100	50	16B26	-	-	-	-	-	-	106	201	40	3/4X3	



WORTHINGTON, SKILLING, HELLE & JACKSON

Civil & Structural Engineers

PROJECT THE WORLD TRADE CENTER TITLE BEAM SCHEDULE TOWERS A AND B DATE 7/20/67

REVISIONS

BEAM NO.	SIZE	TYPE	FY	SHAPE	PLATE 1		PLATE 2		DIMENSIONS		SUPPORTS		STUDS		REMARKS
					WIDTH	THICK	WIDTH	THICK	LENGTH	DIM. A	LEFT	RIGHT	NO.	SIZE	
3334	-	100	50	16B26	-	-	-	-	-	-	105	201	40	3/4X3	
3335	-	100	50	16WF36	-	-	-	-	-	-	456	105	30	3/4X3	
3336	-	100	50	12B16.5	-	-	-	-	-	-	106	26.5K	-	-	
3337	-	100	50	16B26	-	-	-	-	-	-	26.5K	26.5K	40	3/4X3	
3338	-	100	50	16B26	-	-	-	-	-	-	26.5K	105	40	3/4X3	
3339	-	100	50	16B26	-	-	-	-	-	-	26.5K	26.5K	40	3/4X3	
3340	-	100	50	16B26	-	-	-	-	-	-	105	26.5K	40	3/4X3	
* 3341	-	100	50	16B26	-	-	-	-	-	-	26.5K	26.5K	40	3/4X3	
* 3342	-	100	50	16B26	-	-	-	-	-	-	26.5K	26.5K	40	3/4X3	
* 3343	-	100	50	16B26	-	-	-	-	-	-	26.5K	26.5K	40	3/4X3	
3344	-	100	50	16B26	-	-	-	-	-	-	105	26.5K	40	3/4X3	
3345	-	100	50	16B26	-	-	-	-	-	-	26.5K	105	40	3/4X3	
3346	-	100	50	16B26	-	-	-	-	-	-	26.5K	26.5K	40	3/4X3	
3347	-	100	36	30WF99	-	-	-	-	-	-	201	26.5K	-	-	
* 3348	-	100	36	16B26	-	-	-	-	-	-	26.5K	26.5K	-	-	
3349	-	100	36	16WF36	-	-	-	-	-	-	216	523	-	-	
3350	-	100	36	12CH20.7	-	-	-	-	-	-	26.5K	26.5K	-	-	
3351	-	100	36	16B26	-	-	-	-	-	-	266	357	-	-	
3352	-	100	36	16B26	-	-	-	-	-	-	26.5K	26.5K	-	-	
3353	-	100	36	16WF36	-	-	-	-	-	-	523	456	-	-	
3354	-	100	36	16B26	-	-	-	-	-	-	105	105	-	-	
3355	-	100	36	16B26	-	-	-	-	-	-	105	105	-	-	
3356	-	100	36	12B16.5	-	-	-	-	-	-	105	105	-	-	
3357	-	100	36	12B16.5	-	-	-	-	-	-	105	105	-	-	
3358	-	100	50	16B26	-	-	-	-	-	-	26.5K	201	-	-	
3359	-	100	50	16B26	-	-	-	-	-	-	105	26.5K	-	-	
3360	-	100	50	16B26	-	-	-	-	-	-	26.5K	26.5K	-	-	
3361	-	100	50	16B26	-	-	-	-	-	-	26.5K	105	-	-	
3362	-	100	50	16B26	-	-	-	-	-	-	105	26.5K	-	-	
3363	-	100	36	8B13	-	-	-	-	-	-	466	466	-	-	
* 3364	-	100	50	16B26	-	-	-	-	-	-	26.5K	26.5K	-	-	
3365	-	100	50	16B26	-	-	-	-	-	-	201	105	-	-	
3366	-	100	50	16B26	-	-	-	-	-	-	26.5K	26.5K	-	-	

REMARKS

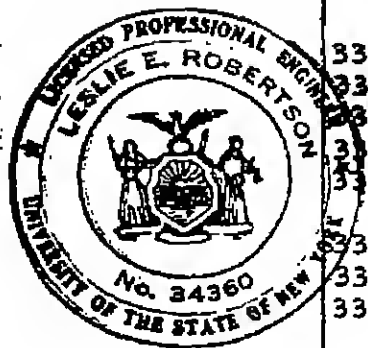
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SKILLING-HELLE-CHRISTIANSEN-ROBERTSON

Civil & Structural Engineers

PROJECT					TITLE						DATE				
THE WORLD TRADE CENTER					BEAM SCHEDULE TOWERS A AND B						1/22/68				
BEAM NO.	SIZE	TYPE	FY	SHAPE	PLATE 1		PLATE 2		DIMENSIONS		SUPPORTS		STUDS		REMARKS
					WIDTH	THICK	WIDTH	THICK	LENGTH	DIM. A	LEFT	RIGHT	NO.	SIZE	
3367	-	100	50	16B26	-	-	-	-	-	-	26.5K	26.5K	-	-	
3368	30X10BU	300	36	-	10	1- 1/2	27	3/4	-	-	44.2K	44.2K	-	-	
3369	-	100	50	30WF108	-	-	-	-	-	-	17.4K	17.4K	-	-	
3370	-	100	36	30WF116	-	-	-	-	-	-	105	201	-	-	
3371	3 x7 BU	300	36	-	7	1- 1/2	27	3/4	-	-	289	483	-	-	
3372	-	100	50	16B26	-	-	-	-	-	-	26.5K	26.5K	-	-	
3373	-	100	50	16B26	-	-	-	-	-	-	26.5K	26.5K	-	-	
3374	-	100	50	16B26	-	-	-	-	-	-	201	105	-	-	
3375	-	100	50	16B26	-	-	-	-	-	-	26.5K	26.5K	-	-	
3376	-	100	50	16B26	-	-	-	-	-	-	26.5K	26.5K	40	3/4X3	
3377	-	100	50	16B26	-	-	-	-	-	-	201	105	40	3/4X3	
3378	-	100	50	16B26	-	-	-	-	-	-	26.5K	26.5K	40	3/4X3	
3379	-	100	50	21WF55	-	-	-	-	-	-	106	106	20	3/4X3	
3380	-	100	50	21WF55	-	-	-	-	-	-	106	106	20	3/4X3	
3381	-	100	36	16B26	-	-	-	-	-	-	106	106	24	3/4X3	
3382	-	100	36	16B26	-	-	-	-	-	-	216	106	8	3/4X3	
3383	-	100	50	21WF55	-	-	-	-	-	-	106	106	20	3/4X3	
3384	-	100	50	21WF55	-	-	-	-	-	-	106	106	20	3/4X3	
3385	-	100	50	21WF55	-	-	-	-	-	-	106	106	20	3/4X3	
3386	-	100	36	30WF116	-	-	-	-	-	-	314	106	26	3/4X3	
3387	-	100	36	16WF36	-	-	-	-	-	-	105	106	8	3/4X3	
3388	-	100	50	24WF68	-	-	-	-	-	-	106	106	26	3/4X3	
3389	-	100	36	30WF116	-	-	-	-	-	-	106	314	26	3/4X3	
3390	-	100	36	30WF116	-	-	-	-	-	-	106	106	26	3/4X3	
3391	-	100	36	27WF84	-	-	-	-	-	-	106	106	26	3/4X3	
3392	24X7-1/28X	250	36	-	7-1/2	7/8	22-1/4	1/2	-	-	340	341	-	-	
3393	-	100	50	16B26	-	-	-	-	-	-	341	295	-	-	
3394	-	100	50	24WF68	-	-	-	-	-	-	106	106	26	3/4X3	
3395	-	100	36	30WF116	-	-	-	-	-	-	106	106	26	3/4X3	
3396	-	100	50	21WF55	-	-	-	-	-	-	106	106	20	3/4X3	
3397	-	100	50	21WF55	-	-	-	-	-	-	106	214	25	3/4X3	
3398	-	100	36	36WF150	-	-	-	-	-	-	483	483	20	3/4X3	
3399	-	100	36	16WF36	-	-	-	-	-	-	216	266	8	3/4X3	



SKILLING-HELLE-CHRISTIANSEN-ROBERTSON

Civil & Structural Engineers

PROJECT		THE WORLD TRADE CENTER			TITLE		BEAM SCHEDULE TOWERS A AND B				DATE		1/22/68		
BEAM NO.	SIZE	TYPE	FY	SHAPE	PLATE 1		PLATE 2		DIMENSIONS		SUPPORTS		STUDS		REMARKS
					WIDTH	THICK	WIDTH	THICK	LENGTH	DIM. A	LEFT	RIGHT	NO.	SIZE	
3400	-	100	50	21WF55	-	-	-	-	-	-	266	106	20	3/4X3	
3401	-	100	50	21WF55	-	-	-	-	-	-	106	106	20	3/4X3	
3402	-	100	50	21WF55	-	-	-	-	-	-	106	106	20	3/4X3	
3403	-	404	36	18WF50	-	-	-	-	-	-	26.5K	274 ¹⁾	26	3/4X3	
3404	-	100	36	12CH20.7	-	-	-	-	-	-	26.5K	26.5K	-	-	
3405	-	100	36	12WF27	-	-	-	-	-	-	26.5K	26.5K	-	-	
3406	-	100	36	14WF30	-	-	-	-	-	-	172B	172B	-	-	
3407	-	100	36	14WF30	-	-	-	-	-	-	172B	172B	-	-	
3408	-	100	36	16WF36	-	-	-	-	-	-	26.5K	26.5K	-	-	
3409	-	100	36	8B13	-	-	-	-	-	-	17.4K	17.4K	-	-	
3410	-	100	36	21WF55	-	-	-	-	-	-	35.3K	500	-	-	
3411	-	100	36	12WF31	-	-	-	-	-	-	26.5K	26.5K	-	-	
3412	-	100	36	12WF31	-	-	-	-	-	-	26.5K	26.5K	-	-	
3413	-	100	36	12B19	-	-	-	-	-	-	457	26.5K	-	-	
3414	-	100	36	12WF45	-	-	-	-	-	-	26.5K	26.5K	-	-	
3415	-	100	36	16WF36	-	-	-	-	-	-	506A	283U	-	-	
3416	-	100	36	16WF36	-	-	-	-	-	-	506B	283U	-	-	
3417	-	100	36	10WF25	-	-	-	-	-	-	506A	506B	-	-	
3418	-	100	36	16B26	-	-	-	-	-	-	314	106	-	-	
3419	24X6 8U	300	36	-	6	1- 1/2	21	5/8	-	-	105	201	-	-	
3420	-	100	36	12WF31	-	-	-	-	-	-	26.5K	26.5K	-	-	
3421	-	100	36	12WF31	-	-	-	-	-	-	26.5K	26.5K	-	-	
3422	-	100	36	9CH13.4	-	-	-	-	-	-	363A	363A	-	-	
3423	-	100	36	10B15	-	-	-	-	-	-	26.5K	26.5K	-	-	
3424	-	100	36	14WF30	-	-	-	-	-	-	26.5K	26.5K	-	-	
3425	-	100	36	12WF27	-	-	-	-	-	-	26.5K	26.5K	-	-	
3426	-	100	36	14WF30	-	-	-	-	-	-	508	512	-	-	1
3427	-	100	36	14WF30	-	-	-	-	-	-	172B	172B	-	-	
3428	-	100	36	14WF30	-	-	-	-	-	-	172B	172B	-	-	
3429	-	100	36	8B13	-	-	-	-	-	-	17.4K	172C	-	-	
3430	-	100	36	8B13	-	-	-	-	-	-	17.4K	172C	-	-	
3431	-	100	36	8B13	-	-	-	-	-	-	17.4K	172C	-	-	
3432	-	100	36	12WF40	-	-	-	-	-	-	370K	317F	-	-	2
3433	16X5-1/2BX	200	36	-	4	3/8	16	3/4	-	-	450	450	-	-	

REMARKS

- 1 DETAIL 176A RIGHT END OF BEAM
- 2 STD. CONN. 26.5K RIGHT END OF BEAM



SKILLING-HELLE-CHRISTIANSEN-ROBERTSON

Civil & Structural Engineers

PROJECT

THE WORLD TRADE CENTER

TITLE

BEAM SCHEDULE TOWERS A AND B

DATE

2/21/68

REVISIONS

BEAM NO.	SIZE	TYPE	FY	SHAPE	PLATE 1		PLATE 2		DIMENSIONS		SUPPORTS		STUDS		REMARKS
					WIDTH	THICK	WIDTH	THICK	LENGTH	DIM. A	LEFT	RIGHT	NO.	SIZE	
3434	-	100	36	16WF58	-	-	-	-	-	-	220I	453A	-	-	
3435	-	100	36	16WF58	-	-	-	-	-	-	453A	453A	-	-	
3436	-	100	36	16WF58	-	-	-	-	-	-	453A	26.5K	-	-	
3437	-	100	36	16B31	-	-	-	-	-	-	26.5K	453C	-	-	
3438	-	100	36	16WF58	-	-	-	-	-	-	453C	453A	-	-	
3439	-	100	36	16WF58	-	-	-	-	-	-	453A	220I	-	-	
3440	16X5-1/2BX	200	36	-	4	1/4	16	3/4	-	-	206A	247G	-	-	
3441	-	100	50	16B26	-	-	-	-	-	-	26.5K	26.5K	-	-	
3442	-	100	36	16WF40	-	-	-	-	-	-	111A	306D	-	-	
3443	-	100	50	16WF36	-	-	-	-	-	-	466A	26.5K	-	-	
3444	-	100	50	12WF27	-	-	-	-	-	-	26.5K	466A	-	-	
3445	-	100	36	12WF27	-	-	-	-	-	-	111M	111M	-	-	
3446	-	100	36	8B13	-	-	-	-	-	-	17.4K	17.4K	-	-	
3447	-	100	36	12WF45	-	-	-	-	-	-	111V	106N	-	-	
3448	-	100	36	18WF60	-	-	-	-	-	-	111B	106P	-	-	
3449	-	100	36	30WF108	-	-	-	-	-	-	105E	94.2K	-	-	
3450	-	100	36	16WF58	-	-	-	-	-	-	26.5K	26.5K	-	-	
3451	24X6 BU	300	36	-	6	3/4	22-1/2	3/8	-	-	105E	94.2K	-	-	
3452	-	100	50	14B22	-	-	-	-	-	-	235A	370K	34	3/4X3	
3453	-	100	36	16WF58	-	-	-	-	-	-	26.5K	26.5K	-	-	
3454	24X6 BU	300	36	-	6	1- 3/4	20-1/2	1/2	-	-	88.7K	281A	-	-	
3455	-	100	36	24WF76	-	-	-	-	-	-	105E	105E	-	-	
3456	24X6 BU	300	36	-	6	3/4	22-1/2	3/8	-	-	283V	281A	-	-	
3457	-	100	50	16WF36	-	-	-	-	-	-	252A	26.5K	47	3/4X3	
3458	-	100	50	16WF36	-	-	-	-	-	-	216A	26.5K	47	3/4X3	
3459	-	100	36	12CH20.7	-	-	-	-	-	-	26.5K	26.5K	-	-	
3460	-	100	36	18I30.0	-	-	-	-	-	-	281A	111Q	-	-	
3461	-	100	36	16B26	-	-	-	-	-	-	26.5K	252A	-	-	
3462	-	100	36	12WF27	-	-	-	-	-	-	26.5K	26.5K	-	-	
3463	-	100	36	12WF27	-	-	-	-	-	-	105L	105L	-	-	
3464	-	100	36	14WF30	-	-	-	-	-	-	172B	26.5K	-	-	
3465	-	100	36	14WF30	-	-	-	-	-	-	26.5K	172B	-	-	
3466	-	100	36	12B16.5	-	-	-	-	-	-	360A	214A	-	-	



SKILLING-HELLE-CHRISTIANSEN-ROBERTSON

Civil & Structural Engineers

PROJECT

THE WORLD TRADE CENTER

TITLE

BEAM SCHEDULE TOWERS A AND B

DATE

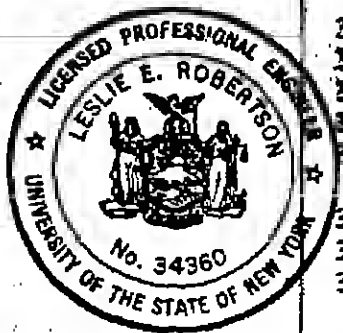
9/25/68

REVISIONS

BEAM NO.	SIZE	TYPE	FY	SHAPE	PLATE 1		PLATE 2		DIMENSIONS		SUPPORTS		STUDS		REMARKS
					WIDTH	THICK	WIDTH	THICK	LENGTH	DIM. A	LEFT	RIGHT	NO.	SIZE	
3467	-	100	36	16WF36	-	-	-	-	-	-	204A	457A	-	-	
3468	-	100	50	16WF36	-	-	-	-	-	-	201F	170B	46	3/4X3	
3469	-	100	50	12B19	-	-	-	-	-	-	26.5K	26.5K	26	3/4X3	
3470	-	100	36	10WF45	-	-	-	-	-	-	244A	244A	-	-	
3471	-	100	50	12B19	-	-	-	-	-	-	26.5K	26.5K	26	3/4X3	
3472	-	100	36	8B13	-	-	-	-	-	-	17.4K	17.4K	12	3/4X3	
3473	-	100	36	8B13	-	-	-	-	-	-	17.4K	17.4K	12	3/4X3	
3474	-	100	50	16WF40	-	-	-	-	-	-	106D	106D	47	3/4X3	
3475	-	100	50	10WF21	-	-	-	-	-	-	508	260B	-	-	
3476	-	100	36	10WF45	-	-	-	-	-	-	244	244	-	-	
3477	-	100	36	14WF53	-	-	-	-	-	-	47.1K	26.5K	-	-	
3478	-	100	36	12B16.5	-	-	-	-	-	-	26.5K	26.5K	-	-	
3479	-	100	36	10WF45	-	-	-	-	-	-	456A	244A	-	-	
3480	-	100	36	14WF53	-	-	-	-	-	-	456N	26.5K	-	-	
3481	-	100	36	12B16.5	-	-	-	-	-	-	26.5K	26.5K	-	-	
3482	-	402	36	21WF55	6	3/4	-	-	23FT 3	-	106P	111T	39	3/4X3C	
3483	-	100	36	24WF76	-	-	-	-	-	-	106P	111T	-	-	
3484	-	100	36	21WF55	-	-	-	-	-	-	35.3K	35.3K	-	-	
3485	-	100	36	16WF40	-	-	-	-	-	-	26.5K	26.5K	-	-	
3486	-	100	36	12WF45	-	-	-	-	-	-	26.5K	26.5K	-	-	
3487	-	100	36	21WF55	-	-	-	-	-	-	35.3K	111B	-	-	
3488	-	100	36	16WF40	-	-	-	-	-	-	111A	111A	-	-	
3489	-	100	36	12WF27	-	-	-	-	-	-	111M	111M	-	-	
3490	-	100	36	16WF50	-	-	-	-	-	-	111A	306D	-	-	
3491	-	100	36	16WF40	-	-	-	-	-	-	306D	419B	-	-	
3492	30X7 BU	300	36	-	7	3/4	28-1/2	3/8	-	-	205Y	205U	-	-	
3493	30X7 BU	300	36	-	7	3/4	28-1/2	3/8	-	-	409C	205U	-	-	
3494	-	100	36	16WF40	-	-	-	-	-	-	205I	205I	-	-	
3495	-	100	36	16WF40	-	-	-	-	-	-	401A	401A	-	-	
3496	-	100	36	16WF40	-	-	-	-	-	-	205V	306D	-	-	
3497	-	100	50	12B22	-	-	-	-	-	-	26.5K	26.5K	-	-	
3498	-	100	50	12B19	-	-	-	-	-	-	26.5K	26.5K	-	-	
3499	-	100	50	12B22	-	-	-	-	-	-	173A	26.5K	10	3/4X38	

REMARKS

1 DETAIL 419B RIGHT END OF BEAM



SKILLING-HELLE-CHRISTIANSEN-ROBERTSON

Civil & Structural Engineers

PROJECT		THE WORLD TRADE CENTER			TITLE		BEAM SCHEDULE TOWERS A AND B				DATE		1/22/68		
BEAM NO.	SIZE	TYPE	FY	SHAPE	PLATE 1		PLATE 2		DIMENSIONS		SUPPORTS		STUDS		REMARKS
					WIDTH	THICK	WIDTH	THICK	LENGTH	DIM. A	LEFT	RIGHT	NO.	SIZE	
3500	-	100	36	24WF94	-	-	-	-	-	-	44.2K	251H	-	-	
3501	-	100	50	12WF85	-	-	-	-	-	-	36.1K	111T	-	-	
3502	-	100	50	12WF31	-	-	-	-	-	-	26.5K	26.5K	-	-	
3503	-	100	36	14B22	-	-	-	-	-	-	26.5K	26.5K	24	3/4X3	
3504	-	100	50	12B22	-	-	-	-	-	-	111I	26.5K	34	3/4X3	
3505	-	100	50	16WF40	-	-	-	-	-	-	419B	418A	-	-	
3506	-	100	50	12B22	-	-	-	-	-	-	170A	17.7K	-	-	
3507	-	100	36	16WF36	-	-	-	-	-	-	452A	201F	33	3/4X3	
3508	-	100	36	8B13	-	-	-	-	-	-	17.4K	172C	-	-	
3509	-	100	50	14B22	-	-	-	-	-	-	244B	26.5K	15	3/4X3	
3510	-	100	50	14B22	-	-	-	-	-	-	26.5K	26.5K	34	3/4X3	
3511	-	100	36	12WF40	-	-	-	-	-	-	283U	105L	-	-	
3512	-	100	36	12WF27	-	-	-	-	-	-	111I	201I	-	-	
3513	16X5-1/28X	202	36	-	4	3/8	16	3/4	-	-	450	450	-	-	
3514	-	100	36	12WF27	-	-	-	-	-	-	111I	111I	-	-	
3515	-	100	50	14B22	-	-	-	-	-	-	370K	26.5K	-	-	
3516	-	100	50	14B22	-	-	-	-	-	-	111I	111I	-	-	
3517	-	100	50	12B19	-	-	-	-	-	-	26.5K	26.5K	-	-	
3518	-	100	36	12WF27	-	-	-	-	-	-	111I	201I	-	-	
3519	-	100	50	12B19	-	-	-	-	-	-	26.5K	26.5K	30	3/4X3	
3520	-	100	36	12WF27	-	-	-	-	-	-	111I	201I	-	-	
3521	-	100	36	12WF40	-	-	-	-	-	-	283U	105L	-	-	
3522	-	100	36	16WF36	-	-	-	-	-	-	252A	216A	-	-	
3523	-	100	36	14B22	-	-	-	-	-	-	111I	238A	-	-	
3524	-	100	36	18WF60	-	-	-	-	-	-	106N	106N	-	-	
3525	-	100	36	24WF68	-	-	-	-	-	-	106P	260D	-	-	
3526	24X7 BU	300	36	-	7	1- 1/2	21	1/2	-	-	220I	220H	-	-	
3527	-	100	36	14WF40	-	-	-	-	-	-	238D	106D	39	3/4X3	
3528	-	100	36	16WF40	-	-	-	-	-	-	106D	106Q	39	3/4X3	
3529	-	100	36	16WF40	-	-	-	-	-	-	106N	106N	-	-	
3530	-	100	36	16WF58	-	-	-	-	-	-	26.5K	26.5K	-	-	
3531	-	100	36	16WF58	-	-	-	-	-	-	26.5K	26.5K	-	-	
3532	-	100	36	16B31	-	-	-	-	-	-	26.5K	26.5K	-	-	
3533	-	100	36	16WF58	-	-	-	-	-	-	26.5K	26.5K	-	-	



SKILLING-HELLE-CHRISTIANSEN-ROBERTSON

Civil & Structural Engineers

PROJECT					TITLE					DATE					
THE WORLD TRADE CENTER					BEAM SCHEDULE TOWERS A AND B					2/21/68					
BEAM NO.	SIZE	TYPE	FY	SHAPE	PLATE 1		PLATE 2		DIMENSIONS		SUPPORTS		STUDS		REMARKS
					WIDTH	THICK	WIDTH	THICK	LENGTH	DIM. A	LEFT	RIGHT	NO.	SIZE	
3534	-	100	36	16WF58	-	-	-	-	-	-	26.5K	26.5K	-	-	
3535	-	100	36	16WF58	-	-	-	-	-	-	26.5K	26.5K	-	-	
3536	16X5-1/28X	204	36	-	4	3/8	16	3/4	-	-	450	450	-	-	
3537	-	100	50	14B22	-	-	-	-	-	-	235C	219A	34	3/4X3	
3538	-	100	36	16B31	-	-	-	-	-	-	220L	294D	-	-	
3539	-	100	36	16B31	-	-	-	-	-	-	294D	294D	-	-	
3540	-	100	36	16B31	-	-	-	-	-	-	294D	463C	-	-	
3541	-	100	36	16B31	-	-	-	-	-	-	463C	294D	-	-	
3542	-	100	36	16B31	-	-	-	-	-	-	294D	294D	-	-	
3543	-	100	36	16B31	-	-	-	-	-	-	294D	220L	-	-	
3544	-	100	50	12B16.5	-	-	-	-	-	-	26.5K	26.5K	26	3/4X3	
3545	-	100	50	12B16.5	-	-	-	-	-	-	26.5K	26.5K	26	3/4X3	
3546	-	100	36	16WF36	-	-	-	-	-	-	26.5K	26.5K	10	3/4X3	
3547	-	100	36	16WF36	-	-	-	-	-	-	26.5K	26.5K	10	3/4X3	
3548	-	100	50	12WF31	-	-	-	-	-	-	26.5K	335C	-	-	
3549	-	100	50	12WF31	-	-	-	-	-	-	216A	335C	-	-	
3550	-	100	50	12B16.5	-	-	-	-	-	-	26.5K	26.5K	26	3/4X3	
3551	-	100	50	12B16.5	-	-	-	-	-	-	26.5K	26.5K	26	3/4X3	
3552	-	100	50	10WF45	-	-	-	-	-	-	283R	283R	-	-	
3553	-	100	50	14WF53	-	-	-	-	-	-	456B	456F	-	-	
3554	-	100	36	8B13	-	-	-	-	-	-	17.4K	17.4K	12	3/4X3	
3555	-	100	36	9CH13.4	-	-	-	-	-	-	291A	363A	-	-	
3556	-	100	50	10WF45	-	-	-	-	-	-	362B	273A	-	-	
3557	-	100	50	10WF45	-	-	-	-	-	-	362B	273A	-	-	
3558	-	100	36	8B13	-	-	-	-	-	-	17.4K	17.4K	-	-	
3559	-	100	36	12B16.5	-	-	-	-	-	-	26.5K	26.5K	-	-	
3560	-	100	36	10WF53	-	-	-	-	-	-	456B	456F	-	-	
3561	-	100	50	10WF45	-	-	-	-	-	-	283R	201I	-	-	
3562	-	100	36	8B13	-	-	-	-	-	-	283W	111N	12	3/4X3	
3563	-	100	36	8B13	-	-	-	-	-	-	17.4K	105C	-	-	
3564	-	100	36	14B22	-	-	-	-	-	-	26.5K	26.5K	-	-	
3565	-	100	36	8B13	-	-	-	-	-	-	291A	17.4K	12	3/4X3	
3566	-	100	36	16B26	-	-	-	-	-	-	221A	201F	-	-	



SKILLING-HELLE-CHRISTIANSEN-ROBERTSON

Civil & Structural Engineers

PROJECT

THE WORLD TRADE CENTER

TITLE

BEAM SCHEDULE TOWERS A AND B

DATE

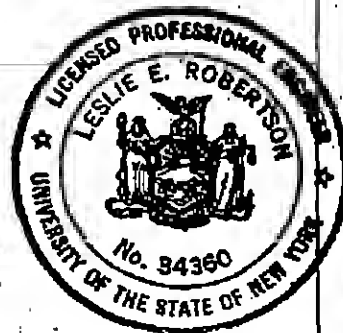
9/25/68

REVISIONS

BEAM NO.	SIZE	TYPE	FY	SHAPE	PLATE 1		PLATE 2		DIMENSIONS		SUPPORTS		STUDS		REMARKS
					WIDTH	THICK	WIDTH	THICK	LENGTH	DIM. A	LEFT	RIGHT	NO.	SIZE	
3567	-	10C	50	10WF45	-	-	-	-	-	-	201I	201I	-	-	
3568	-	10C	36	16B26	-	-	-	-	-	-	26.5K	26.5K	-	-	
3569	-	10C	36	10B15	-	-	-	-	-	-	17.4K	17.4K	-	-	
3570	-	100	36	6WF20	-	-	-	-	-	-	17.4K	17.4K	-	-	
3571	-	100	50	10WF45	-	-	-	-	-	-	362C	273B	-	-	
3572	-	100	50	18WF45	-	-	-	-	-	-	105N	105N	-	-	
3573	-	100	36	8B13	-	-	-	-	-	-	17.4K	17.4K	12	3/4X3	
3574	-	100	50	14WF83	-	-	-	-	-	-	26.5K	26.5K	-	-	
3575	-	100	50	18WF45	-	-	-	-	-	-	283V	283V	-	-	
3576	-	100	50	24WF76	-	-	-	-	-	-	438	273A	30	3/4X3	
3577	-	10C	50	24WF76	-	-	-	-	-	-	273A	35.3K	30	3/4X3	
3578	-	10C	50	24WF76	-	-	-	-	-	-	35.3K	273B	30	3/4X3	
3579	-	10C	50	21WF62	-	-	-	-	-	-	273B	438	30	3/4X3	
3580	-	10C	36	16WF40	-	-	-	-	-	-	220S	205P	-	-	
3581	-	10C	36	16WF40	-	-	-	-	-	-	401A	401A	-	-	
3582	-	10C	36	16WF40	-	-	-	-	-	-	205F	335C	-	-	1
3583	-	10C	36	16WF40	-	-	-	-	-	-	335C	205F	-	-	2
3584	-	10C	36	16WF40	-	-	-	-	-	-	401A	401A	-	-	
3585	-	10C	36	16WF40	-	-	-	-	-	-	205P	220S	-	-	
3586	-	10C	50	18WF64	-	-	-	-	-	-	201K	283V	-	-	
3587	-	10C	50	18WF85	-	-	-	-	-	-	456G	456B	-	-	
3588	-	10C	50	16B26	-	-	-	-	-	-	39.8K	39.8K	-	-	
3589	-	10C	36	6WF25	-	-	-	-	-	-	17.4K	17.4K	-	-	
3590	-	10C	50	18WF64	-	-	-	-	-	-	456H	362B	-	-	
3591	-	10C	36	16WF36	-	-	-	-	-	-	26.5K	27.9K	30	3/4X3	
3592	-	10C	36	14B22	-	-	-	-	-	-	26.5K	26.5K	19	3/4X3	
3593	-	10C	50	16B31	-	-	-	-	-	-	39.8K	39.8K	-	-	
3594	-	10C	50	16B26	-	-	-	-	-	-	26.5K	26.5K	-	-	
3595	-	10C	50	18WF85	-	-	-	-	-	-	456B	456B	-	-	
3596	-	10C	50	18WF64	-	-	-	-	-	-	456B	283V	-	-	
3597	-	10C	50	16B26	-	-	-	-	-	-	170B	283S	-	-	
3598	-	10C	50	21WF55	-	-	-	-	-	-	218C	35.3K	-	-	
3599	-	10C	36	12CN20.7	-	-	-	-	-	-	26.5K	26.5K	-	-	

REMARKS

- 1 DETAIL 405 RIGHT END OF BEAM
- 2 DETAIL 405 LEFT END OF BEAM



SKILLING-HELLE-CHRISTIANSEN-ROBERTSON

Civil & Structural Engineers

PROJECT THE WORLD TRADE CENTER					TITLE BEAM SCHEDULE TOWERS A AND B						DATE 9/25/68				
BEAM NO.	SIZE	TYPE	FY	SHAPE	PLATE 1		PLATE 2		DIMENSIONS		SUPPORTS		STUDS		REMARKS
					WIDTH	THICK	WIDTH	THICK	LENGTH	DIM. A	LEFT	RIGHT	NO.	SIZE	
3600	-	100	50	16WF36	-	-	-	-	-	-	240A	291A	-	-	
3601	-	100	36	16WF36	-	-	-	-	-	-	26.5K	201F	30	3/4X3	
3602	-	100	50	18WF64	-	-	-	-	-	-	456H	201J	-	-	
3603	-	100	36	24WF84	-	-	-	-	-	-	473B	482B	10	3/4X3	
3604	-	100	50	16B26	-	-	-	-	-	-	39.8K	39.8K	40	3/4X3	
3605	-	100	50	14B22	-	-	-	-	-	-	235E	217B	34	3/4X3	X
3606	-	100	50	18WF85	-	-	-	-	-	-	456I	362C	-	-	
3607	-	100	50	16WF45	-	-	-	-	-	-	456A	456A	-	-	
3608	-	100	50	14WF53	-	-	-	-	-	-	456J	456B	-	-	
3609	-	100	50	16WF40	-	-	-	-	-	-	454A	26.5K	-	-	
3610	-	100	50	18WF50	-	-	-	-	-	-	39.8K	39.8K	-	-	
3611	-	100	50	16B26	-	-	-	-	-	-	39.8K	39.8K	32	3/4X3	
3612	-	100	50	18WF85	-	-	-	-	-	-	456L	47.1K	-	-	
3613	-	100	50	18WF64	-	-	-	-	-	-	39.8K	283V	56	3/4X3	
3614	-	100	50	24WF76	-	-	-	-	-	-	111T	362B	-	-	
3615	-	100	50	24WF76	-	-	-	-	-	-	362B	111T	-	-	
3616	-	100	50	16WF40	-	-	-	-	-	-	26.5K	26.5K	-	-	
3617	-	100	36	16WF36	-	-	-	-	-	-	291A	221A	-	-	
3618	-	100	50	24WF94	-	-	-	-	-	-	106H	362C	-	-	
3619	-	100	50	24WF68	-	-	-	-	-	-	35.3K	70.7K	-	-	
3620	-	100	50	12B19	-	-	-	-	-	-	26.5K	26.5K	30	3/4X3	
3621	-	100	50	14B22	-	-	-	-	-	-	283U	105L	16	3/4X3	
3622	-	100	50	16WF36	-	-	-	-	-	-	26.5K	26.5K	-	-	
3623	-	100	36	12B16.5	-	-	-	-	-	-	26.5K	26.5K	-	-	
3624	16X5-1/2BX	202	36	-	4	3/8	16	3/4	-	-	450	450	-	-	
3625	-	100	36	16B31	-	-	-	-	-	-	453	26.5K	-	-	
3626	16X5-1/2BX	200	36	-	4	3/8	16	3/4	-	-	247A	247A	-	-	
3627	-	100	50	14B22	-	-	-	-	-	-	235E	218C	15	3/4X3	
3628	-	100	50	24WF76	-	-	-	-	-	-	314A	314A	-	-	
3629	-	100	50	24WF76	-	-	-	-	-	-	106H	260D	-	-	
3630	-	100	36	16WF40	-	-	-	-	-	-	218C	240A	-	-	
3631	-	100	36	12WF31	-	-	-	-	-	-	105K	216A	-	-	
3632	-	100	50	24179.9	-	-	-	-	-	-	220H	220H	-	-	
3633	-	100	36	14WF34	-	-	-	-	-	-	-	111P	15	3/4X3	1

REMARKS

1 LEFT SUPPORT, COMBINE DETAILS 111Q AND 111F



SKILLING-HELLE-CHRISTIANSEN-ROBERTSON

Civil & Structural Engineers

PROJECT

THE WORLD TRADE CENTER

TITLE

BEAM SCHEDULE TOWERS A AND B

DATE

3/29/68

REVISIONS

NO.	SIZE	TYPE	FY	SHAPE	PLATE 1		PLATE 2		DIMENSIONS		SUPPORTS		STUDS		REMARKS
					WIDTH	THICK	WIDTH	THICK	LENGTH	DIM. A	LEFT	RIGHT	NO.	SIZE	
3634	-	100	50	14B22	-	-	-	-	-	-	26.5K	26.5K	34	3/4X3	
3635	24X6 BU	300	50	-	6	1	22	3/8	-	-	238D	106G	-	-	
3636	-	100	36	16B31	-	-	-	-	-	-	26.5K	26.5K	-	-	
3637	-	100	36	16WF36	-	-	-	-	-	-	283U	354C	-	-	
3638	-	100	50	14B22	-	-	-	-	-	-	26.5K	26.5K	-	-	
3639	-	100	50	12B19	-	-	-	-	-	-	283U	105L	30	3/4X3	
3640	-	100	50	12B19	-	-	-	-	-	-	26.5K	26.5K	30	3/4X3	
3641	-	100	50	24WF76	-	-	-	-	-	-	354C	106H	-	-	
3642	-	100	50	24WF76	-	-	-	-	-	-	106H	106H	-	-	
3643	-	100	50	24WF76	-	-	-	-	-	-	320B	313C	26	3/4X3	
3644	-	100	36	21WF55	-	-	-	-	-	-	437A	381A	22	3/4X3	
3645	-	100	36	21WF55	-	-	-	-	-	-	438	419A	18	3/4X3	
3646	-	100	36	30WF116	-	-	-	-	-	-	317E	318A	28	3/4X3	
3647	-	100	36	24WF76	-	-	-	-	-	-	320A	313D	26	3/4X3	
3648	-	100	36	21WF55	-	-	-	-	-	-	437A	414B	16	3/4X3	
3649	-	100	36	21WF55	-	-	-	-	-	-	438	419A	18	3/4X3	
3650	-	100	36	30WF116	-	-	-	-	-	-	317E	318A	26	3/4X3	
3651	-	100	36	27WF84	-	-	-	-	-	-	318A	251G	30	3/4X3	
3652	-	100	36	27WF84	-	-	-	-	-	-	430A	430A	18	3/4X3	
3653	-	100	36	27WF84	-	-	-	-	-	-	251G	482B	30	3/4X3	
3654	-	100	36	14WF43	-	-	-	-	-	-	26.5K	26.5K	-	-	
3655	-	100	36	27WF84	-	-	-	-	-	-	482B	251G	30	3/4X3	
3656	-	100	36	27WF84	-	-	-	-	-	-	430A	430A	18	3/4X3	
3657	-	100	36	27WF84	-	-	-	-	-	-	251G	318A	30	3/4X3	
3658	-	100	36	27WF84	-	-	-	-	-	-	320B	205Q	30	3/4X3	
3659	-	100	36	27WF84	-	-	-	-	-	-	430A	430A	18	3/4X3	
3660	-	100	36	27WF84	-	-	-	-	-	-	205Q	335L	34	3/4X3	1
3661	-	100	36	27WF84	-	-	-	-	-	-	335L	205Q	34	3/4X3	2
3662	-	100	36	27WF84	-	-	-	-	-	-	430A	430A	18	3/4X3	
3663	-	100	36	27WF84	-	-	-	-	-	-	205Q	320A	30	3/4X3	
3664	-	100	36	18154.7	-	-	-	-	-	-	273B	26.5K	-	-	
3665	-	100	36	18154.7	-	-	-	-	-	-	273A	26.5K	-	-	
3666	-	100	36	18154.7	-	-	-	-	-	-	105N	170E	-	-	

REMARKS

- 1 DETAIL 430A RIGHT END OF BEAM
- 2 DETAIL 430A LEFT END OF BEAM



SKILLING, HELLE, CHRISTIANSEN, ROBERTSON

Structural & Civil Engineers

PROJECT

THE WORLD TRADE CENTER

TITLE

BEAM SCHEDULE TOWERS A AND B

DATE

11/22/68

REVISIONS

BEAM NO.	SIZE	TYPE	FY	SHAPE	PLATE 1		PLATE 2		DIMENSIONS		SUPPORTS		STUDS		REMARKS
					WIDTH	THICK	WIDTH	THICK	LENGTH	DIM. A	LEFT	RIGHT	NO.	SIZE	
3667	-	100	36	18I54.7	-	-	-	-	-	-	105N	170E	-	-	
3668	16X5-1/2BX	200	36	-	4	3/8	16	3/4	-	-	206A	294D	-	-	
3669	-	100	50	12WF27	-	-	-	-	-	-	26.5K	26.5K	17	3/4X3	
3670	-	100	50	12WF27	-	-	-	-	-	-	26.5K	26.5K	17	3/4X3	
3671	-	100	36	8WF17	-	-	-	-	-	-	26.5K	26.5K	-	-	
3672	-	100	36	16WF36	-	-	-	-	-	-	26.5K	26.5K	-	-	X
3673	-	100	50	12WF27	-	-	-	-	-	-	26.5K	26.5K	17	3/4X3	
3674	-	100	50	12WF27	-	-	-	-	-	-	26.5K	26.5K	17	3/4X3	
3675	-	100	36	16B31	-	-	-	-	-	-	39.8K	294D	-	-	
3676	-	100	36	16B31	-	-	-	-	-	-	294D	294D	-	-	
3677	-	100	36	16B31	-	-	-	-	-	-	294D	463C	-	-	
3678	-	100	36	16B31	-	-	-	-	-	-	463C	294D	-	-	
3679	-	100	36	16B31	-	-	-	-	-	-	294D	294D	-	-	
3680	-	100	36	16B31	-	-	-	-	-	-	294D	39.8K	-	-	
3681	-	100	36	8B13	-	-	-	-	-	-	17.4K	17.4K	12	3/4X3	
3682	-	100	36	16B31	-	-	-	-	-	-	26.5K	26.5K	-	-	
3683	-	100	50	16B26	-	-	-	-	-	-	26.5K	26.5K	40	3/4X3	
3684	-	100	50	12WF36	-	-	-	-	-	-	203B	335C	19	3/4X3	
3685	-	100	50	14B22	-	-	-	-	-	-	235C	370J	15	3/4X3	
3686	-	100	36	14B22	-	-	-	-	-	-	26.5K	203B	12	3/4X3	
3687	-	100	36	14B22	-	-	-	-	-	-	105L	105L	12	3/4X3	
3688	-	100	36	14B22	-	-	-	-	-	-	26.5K	26.5K	-	-	
3689	-	100	36	8B13	-	-	-	-	-	-	17.4K	17.4K	12	3/4X3	
3690	-	100	36	8B13	-	-	-	-	-	-	17.4K	17.4K	12	3/4X3	
3691	-	100	50	16WF50	-	-	-	-	-	-	26.5K	208I	39	3/4X3K	
3692	-	100	50	16WF50	-	-	-	-	-	-	208I	26.5K	39	3/4X3K	
3693	-	100	50	16WF50	-	-	-	-	-	-	26.5K	208I	39	3/4X3K	
3694	-	100	50	16WF50	-	-	-	-	-	-	208I	26.5K	39	3/4X3K	
3695	-	100	50	16WF36	-	-	-	-	-	-	208I	26.5K	15	3/4X3C	
3696	-	100	50	16WF36	-	-	-	-	-	-	111M	170B	15	3/4X3C	
3697	-	100	50	16WF36	-	-	-	-	-	-	111M	170B	15	3/4X3C	
3698	-	100	50	16WF36	-	-	-	-	-	-	208I	26.5K	15	3/4X3C	
3699	-	100	36	16WF40	-	-	-	-	-	-	220M	205F	-	-	



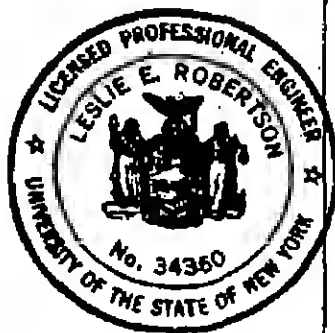
SKILLING-HELLE-CHRISTIANSEN-ROBERTSON

Civil & Structural Engineers

PROJECT					TITLE					DATE					
THE WORLD TRADE CENTER					BEAM SCHEDULE TOWERS A AND B					9/27/68					
BEAM NO.	SIZE	TYPE	FY	SHAPE	PLATE 1		PLATE 2		DIMENSIONS		SUPPORTS		STUDS		REMARKS
					WIDTH	THICK	WIDTH	THICK	LENGTH	DIM. A	LEFT	RIGHT	NO.	SIZE	
3700	-	100	36	16WF40	-	-	-	-	-	-	401A	401A	-	-	
3701	-	100	36	16WF40	-	-	-	-	-	-	205F	335C	-	-	1
3702	-	100	36	16WF40	-	-	-	-	-	-	310B	205F	30	3/4X3	2
3703	-	100	36	16WF40	-	-	-	-	-	-	401A	401A	-	-	
3704	-	100	36	16WF40	-	-	-	-	-	-	205F	220M	-	-	
3705	16X5-1/2BX	200	36	-	4	3/8	16	3/4	-	-	206A	294D	-	-	X
3706	-	100	50	14B22	-	-	-	-	-	-	26.5K	26.5K	34	3/4X3	
3707	-	100	36	12B19	-	-	-	-	-	-	26.5K	105L	-	-	
3708	-	100	50	14B22	-	-	-	-	-	-	26.5K	26.5K	34	3/4X3	
3709	-	100	50	14B22	-	-	-	-	-	-	26.5K	26.5K	34	3/4X3	
3710	-	100	50	12WF27	-	-	-	-	-	-	342A	26.5K	34	3/4X3	
3711	-	100	36	16WF40	-	-	-	-	-	-	399A	26.5K	16	3/4X3	
3712	-	100	36	16WF36	-	-	-	-	-	-	170B	399A	40	3/4X3	
3713	-	100	36	18WF45	-	-	-	-	-	-	368D	203A	8	3/4X3	
3714	-	100	36	12CH20.7	-	-	-	-	-	-	26.5K	26.5K	-	-	
3715	-	100	50	14B22	-	-	-	-	-	-	26.5K	357K	34	3/4X3	
3716	-	100	36	14B22	-	-	-	-	-	-	26.5K	201S	20	3/4X3	
3717	-	100	50	14B22	-	-	-	-	-	-	26.5K	26.5K	34	3/4X3	
3718	-	100	36	12B19	-	-	-	-	-	-	26.5K	105L	-	-	
3719	-	100	50	14B22	-	-	-	-	-	-	26.5K	26.5K	34	3/4X3	
3720	-	404	50	16WF50	-	-	-	-	-	-	26.5K	274C	26	3/4X3	
3721	-	404	50	16WF50	-	-	-	-	-	-	274C	475A	26	3/4X3	
3722	-	404	50	16WF50	-	-	-	-	-	-	26.5K	274C	26	3/4X3	
3723	-	404	50	16WF50	-	-	-	-	-	-	274C	26.5K	26	3/4X3	
3724	16X4 BX	200	-	-	2- 1/2	3/8	16	3/4	-	-	274C	296D	-	-	
3725	16X4 BX	200	36	-	2- 1/2	3/8	16	3/4	-	-	372A	210A	-	-	
3726	-	100	36	16B26	-	-	-	-	-	-	346A	201S	8	3/4X3	
3727	-	100	36	12WF50	-	-	-	-	-	-	111M	310B	19	3/4X3	
3728	-	100	36	12B16.5	-	-	-	-	-	-	26.5K	26.5K	30	3/4X3	
3729	-	100	50	12WF27	-	-	-	-	-	-	201Q	105L	12	3/4X3	
3730	-	100	36	12B19	-	-	-	-	-	-	26.5K	26.5K	-	-	
3731	-	100	36	16B31	-	-	-	-	-	-	26.5K	26.5K	-	-	
3732	-	100	36	16B31	-	-	-	-	-	-	111P	111P	-	-	
3733	-	100	36	14B22	-	-	-	-	-	-	370J	342A	19	3/4X3	

REMARKS

- 1 DETAIL 405 RIGHT END OF BEAM
- 2 DETAIL 405 LEFT END OF BEAM



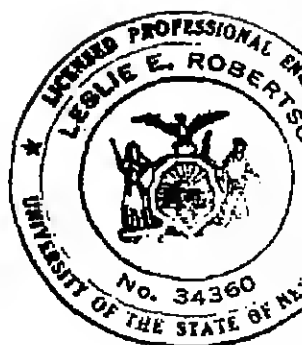
SKILLING-HELLE-CHRISTIANSEN-ROBERTSON

Civil & Structural Engineers

PROJECT		THE WORLD TRADE CENTER			TITLE		BEAM SCHEDULE TOWERS A AND B					DATE		1/22/68	
BEAM NO.	SIZE	TYPE	FY	SHAPE	PLATE 1		PLATE 2		DIMENSIONS		SUPPORTS		STUDS		REMARKS
					WIDTH	THICK	WIDTH	THICK	LENGTH	DIM. A	LEFT	RIGHT	NO.	SIZE	
3734	-	100	36	14B22	-	-	-	-	-	-	111P	111P	19	3/4X3	
3735	-	100	36	14B22	-	-	-	-	-	-	342A	238A	8	3/4X3	
3736	-	100	50	14B22	-	-	-	-	-	-	26.5K	26.5K	19	3/4X3	
3737	-	100	50	14B22	-	-	-	-	-	-	26.5K	26.5K	34	3/4X3	
3738	-	100	36	12WF27	-	-	-	-	-	-	201Q	26.5K	35	3/4X3	
3739	-	100	36	12B16.5	-	-	-	-	-	-	105L	201Q	26	3/4X3	
3740	-	100	36	12B16.5	-	-	-	-	-	-	26.5K	26.5K	26	3/4X3	
3742	-	100	36	16B31	-	-	-	-	-	-	26.5K	26.5K	-	-	
3743	-	100	36	16B31	-	-	-	-	-	-	26.5K	26.5K	-	-	
3744	-	100	36	16WF40	-	-	-	-	-	-	314C	314C	40	3/4X3	
3745	-	100	36	16WF40	-	-	-	-	-	-	106F	111M	8	3/4X3	
3746	-	100	36	16WF40	-	-	-	-	-	-	220I	26.5K	-	-	
3747	-	100	36	16WF40	-	-	-	-	-	-	238A	106F	8	3/4X3C	
3748	-	100	36	16WF40	-	-	-	-	-	-	106F	106E	8	3/4X3C	
3749	-	100	36	16WF40	-	-	-	-	-	-	106E	106E	40	3/4X3	
3750	-	100	36	24WF76	-	-	-	-	-	-	228B	313H	30	3/4X3	
3751	-	100	36	21WF55	-	-	-	-	-	-	313H	263A	-	-	
3752	-	100	36	21WF55	-	-	-	-	-	-	263A	381C	-	-	
3753	21X7 BU	300	36	-	7	1- 1/2	18	1/2	-	-	381C	324B	-	-	
3754	-	100	36	24WF76	-	-	-	-	-	-	228B	313H	-	-	
3755	-	100	36	21WF55	-	-	-	-	-	-	313H	263A	-	-	
3756	-	100	36	21WF55	-	-	-	-	-	-	263A	381C	-	-	
3757	21X7 BU	300	36	-	7	1- 1/2	18	1/2	-	-	381C	324B	-	-	
3758	18X4 CH	505	50	18CH58.0	3	1/2	-	-	FULL LENGTH	-	324B	246D	-	-	
3759	-	100	50	18CH42.7	-	-	-	-	-	-	410A	411A	-	-	
3760	18X4 CH	505	50	18CH58.0	3	1/2	-	-	21FT 0	1FT 0	246B	249C	-	-	
3761	18X4 CH	505	50	18CH58.0	3	1	-	-	24FT 0	1FT 0	249C	246D	-	-	
3762	-	100	36	18CH42.7	-	-	-	-	-	-	412A	410A	-	-	
3763	18X4 CH	505	50	18CH58.0	3	1/2	-	-	FULL LENGTH	-	246D	324B	-	-	
3764	-	100	36	8B13	-	-	-	-	-	-	481A	105C	-	-	
3765	12X4 CH	505	50	12CH50.0	3	1/2	-	-	10FT 0	1FT 0	440B	441A	-	-	
3766	15X3-3/8CH	505	50	15CH50.0	2-1/2	1-3/8	-	-	24FT 0	1FT 0	243C	245G	-	-	
REMARKS															
1 DETAIL 442A RIGHT END OF BEAM															
5-541-113															

REMARKS

1 DETAIL 442A RIGHT END OF BEAM



SKILLING, HELLE, CHRISTIANSEN, ROBERTSON

Structural & Civil Engineers

PROJECT

THE WORLD TRADE CENTER

TITLE

BEAM SCHEDULE TOWERS A AND B

DATE

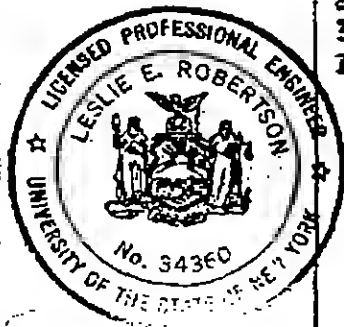
12/ 6/68

REVISIONS

BEAM NO.	SIZE	TYPE	FY	SHAPE	PLATE 1		PLATE 2		DIMENSIONS		SUPPORTS		STUDS		REMARKS
					WIDTH	THICK	WIDTH	THICK	LENGTH	DIM. A	LEFT	RIGHT	NO.	SIZE	
3767	15X3-3/8CH	505	50	15CH50.0	2-1/2	1-3/8	-	-	24FT 0	3FT 0	245G	243C	-	-	1
3768	12X4-CH	505	50	12CH50.0	3	1-1/4	-	-	11FT 0	1FT 0	441A	440A	-	-	
3769	18X4 CH	500	50	18CH58.0	3	1-1/4	-	-	FULL LENGTH		243C	228B	-	-	
3770	18X4 CH	507	50	18CH58.0	3	1-1/4	-	-	FULL LENGTH		228B	243C	-	-	
3771	-	100	36	16B31	-	-	-	-	-	-	26.5K	294D	-	-	
3772	-	100	36	16B31	-	-	-	-	-	-	294D	294D	-	-	X
3773	-	100	36	16B31	-	-	-	-	-	-	294D	463C	-	-	
3774	-	100	36	16B31	-	-	-	-	-	-	463C	294D	-	-	
3775	-	100	36	16B31	-	-	-	-	-	-	294D	294D	-	-	
3776	-	100	36	16B31	-	-	-	-	-	-	294D	26.5K	-	-	
3777	16X5-1/28X	200	36	-	4	3/8	16	3/4	-	-	206A	294D	-	-	
3778	-	100	50	14B22	-	-	-	-	-	-	235C	370J	34	3/4X3	
3779	-	100	50	12B16.5	-	-	-	-	-	-	26.5K	26.5K	18	3/4X3	
3780	-	100	50	12B16.5	-	-	-	-	-	-	26.5K	26.5K	18	3/4X3	
3781	-	100	36	12WF36	-	-	-	-	-	-	26.5K	26.5K	-	-	
3782	-	100	36	12WF36	-	-	-	-	-	-	26.5K	26.5K	-	-	
3783	-	100	50	12WF36	-	-	-	-	-	-	203B	335C	30	3/4X3	
3784	-	100	50	12WF36	-	-	-	-	-	-	105L	310B	30	3/4X3	
3785	-	100	50	12B16.5	-	-	-	-	-	-	26.5K	26.5K	12	3/4X3	
3786	-	100	50	12B16.5	-	-	-	-	-	-	26.5K	26.5K	26	3/4X3	
3787	-	100	36	8B13	-	-	-	-	-	-	17.4K	17.4K	12	3/4X3	
3788	-	100	36	14B26	-	-	-	-	-	-	203B	106K	8	3/4X3	
3789	-	100	36	8B13	-	-	-	-	-	-	17.4K	17.4K	12	3/4X3	
3790	-	100	36	8B13	-	-	-	-	-	-	17.4K	17.4K	12	3/4X3	
3791	-	100	36	8B13	-	-	-	-	-	-	17.4K	17.4K	12	3/4X3	
3792	-	100	36	8B13	-	-	-	-	-	-	17.4K	17.4K	16	5/8X2	
3793	-	100	50	14WF53	-	-	-	-	-	-	171A	368B	39	3/4X3D	
3794	-	100	50	14WF53	-	-	-	-	-	-	368B	26.5K	39	3/4X3D	
3795	-	100	36	8B13	-	-	-	-	-	-	481A	105C	-	-	
3796	-	100	36	14B22	-	-	-	-	-	-	26.5K	203B	8	3/4X3	
3797	-	100	50	14WF53	-	-	-	-	-	-	26.5K	368B	39	3/4X3D	
3798	-	100	50	14WF53	-	-	-	-	-	-	368B	26.5K	39	3/4X3D	
3799	-	100	50	12WF45	-	-	-	-	-	-	368B	26.5K	56	3/4X3	

REMARKS

1 DETAIL 442A LEFT END OF BEAM



SKILLING-HELLE-CHRISTIANSEN-ROBERTSON

Civil & Structural Engineers

PROJECT THE WORLD TRADE CENTER					TITLE BEAM SCHEDULE TOWERS A AND B						DATE 1/22/68				
BEAM NO.	SIZE	TYPE	FY	SHAPE	PLATE 1		PLATE 2		DIMENSIONS		SUPPORTS		STUDS		REMARKS
					WIDTH	THICK	WIDTH	THICK	LENGTH	DIM. A	LEFT	RIGHT	NO.	SIZE	
3800	-	100	50	12WF45	-	-	-	-	-	-	111M	170B	12	3/4X3	
3801	-	100	50	12WF45	-	-	-	-	-	-	111M	170B	12	3/4X3	
3802	-	100	50	12WF45	-	-	-	-	-	-	368B	26.5K	56	3/4X3	
3803	-	100	50	14B22	-	-	-	-	-	-	26.5K	26.5K	19	3/4X3	
3804	-	100	36	12B19	-	-	-	-	-	-	26.5K	105L	-	-	
3805	-	100	50	14B22	-	-	-	-	-	-	26.5K	26.5K	19	3/4X3	
3806	-	100	50	14B22	-	-	-	-	-	-	26.5K	26.5K	19	3/4X3	
3807	-	100	36	12WF36	-	-	-	-	-	-	170B	399A	15	3/4X3	
3808	-	100	50	14B22	-	-	-	-	-	-	342A	26.5K	26	3/4X3	
3809	-	100	50	14B22	-	-	-	-	-	-	26.5K	357G	26	3/4X3	
3810	-	100	36	14B22	-	-	-	-	-	-	26.5K	201S	20	3/4X3	
3811	-	100	50	14B22	-	-	-	-	-	-	26.5K	26.5K	12	5/8X2	
3812	-	100	50	14B22	-	-	-	-	-	-	26.5K	26.5K	36	5/8X2	
3813	-	100	36	12B19	-	-	-	-	-	-	26.5K	105L	-	-	
3814	-	404	50	16WF45	-	-	-	-	-	-	26.5K	274C	26	3/4X3	
3815	-	404	50	16WF45	-	-	-	-	-	-	274C	475A	26	3/4X3	
3816	-	404	50	16WF45	-	-	-	-	-	-	26.5K	274C	26	3/4X3	
3817	-	404	50	16WF45	-	-	-	-	-	-	274C	26.5K	26	3/4X3	
3818	-	100	50	16WF36	-	-	-	-	-	-	399A	26.5K	14	3/4X3	
3819	-	100	36	12B16.5	-	-	-	-	-	-	26.5K	346A	8	3/4X3	
3820	16X4 BX	200	36	-	2-1/2	3/8	16	3/4	-	-	274C	296D	-	-	
3821	16X4 BX	200	36	-	2-1/2	3/8	16	3/4	-	-	372A	210A	-	-	
3822	-	100	50	14B22	-	-	-	-	-	-	299C	370J	34	3/4X3	
3823	16X4 BX	200	36	-	2-1/2	3/8	16	3/4	-	-	274C	296D	-	-	
3824	-	100	50	12B16.5	-	-	-	-	-	-	26.5K	26.5K	18	3/4X3	
3825	-	100	50	12WF27	-	-	-	-	-	-	201Q	105L	26	3/4X3	
3826	-	100	36	12B19	-	-	-	-	-	-	26.5K	26.5K	-	-	
3827	-	100	36	12B19	-	-	-	-	-	-	111P	111P	-	-	
3828	-	100	50	14B22	-	-	-	-	-	-	370J	342A	12	3/4X3	
3829	-	100	50	14B22	-	-	-	-	-	-	111P	111P	12	3/4X3	
3830	-	100	50	14B22	-	-	-	-	-	-	26.5K	26.5K	-	-	
3831	-	100	50	12WF27	-	-	-	-	-	-	201Q	26.5K	12	3/4X3	
3832	-	100	36	12B16.5	-	-	-	-	-	-	26.5K	26.5K	18	3/4X3	
3833	-	100	36	12B16.5	-	-	-	-	-	-	105L	201Q	22	3/4X4-1/2	



SKILLING, HELLE, CHRISTIANSEN, ROBERTSON

Structural & Civil Engineers

PROJECT

THE WORLD TRADE CENTER

TITLE

BEAM SCHEDULE TOWERS A AND B

DATE

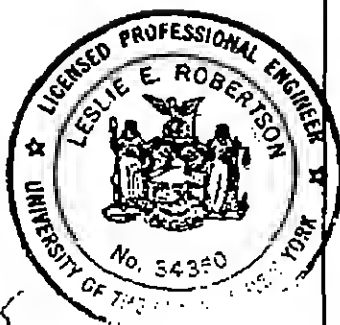
12/ 6/88

REVISIONS

BEAM NO.	SIZE	TYPE	FY	SHAPE	PLATE 1		PLATE 2		DIMENSIONS		SUPPORTS		STUDS		REMARKS
					WIDTH	THICK	WIDTH	THICK	LENGTH	DIM. A	LEFT	RIGHT	NO.	SIZE	
3834	-	100	36	12B16.5	-	-	-	-	-	-	26.5K	26.5K	18	3/4X3	
3835	-	100	36	16WF40	-	-	-	-	-	-	314C	314C	39	3/4X3	
3836	-	100	36	16WF40	-	-	-	-	-	-	106F	111M	8	3/4X38	
3837	-	100	36	16WF40	-	-	-	-	-	-	220I	26.5K	8	3/4X38	
3838	-	100	36	14B22	-	-	-	-	-	-	342A	238A	8	3/4X3	
3839	-	100	36	16WF40	-	-	-	-	-	-	238A	106F	8	3/4X3	X
3840	-	100	36	16WF40	-	-	-	-	-	-	106F	106E	39	3/4X3	
3841	-	100	36	16WF40	-	-	-	-	-	-	106E	106E	39	3/4X3	
3842	-	100	50	12CH50.0	-	-	-	-	-	-	227A	3118	-	-	
3843	-	100	36	15CH33.9	-	-	-	-	-	-	426A	421A	-	-	
3844	-	100	50	12CH45.0	-	-	-	-	-	-	426A	427A	-	-	
3845	21X7 CL	200	36	-	7	1	19	5/8	-	-	317C	324B	-	-	
3846	-	100	36	24WF76	-	-	-	-	-	-	259	324	-	-	
3847	-	100	36	15CH33.9	-	-	-	-	-	-	290A	277A	-	-	
3848	-	100	36	12WF99	-	-	-	-	-	-	381B	435B	-	-	
3849	21X7 BU	300	36	-	7	1	19	5/8	-	-	317D	324B	-	-	
3850	18X4 CH	509	50	18CH45.8	-	-	-	-	-	-	324B	246B	-	-	
3851	-	100	36	18CH42.7	-	-	-	-	-	-	410A	411A	-	-	
3852	18X4 CH	100	50	18CH42.7	-	-	-	-	-	-	246B	249B	-	-	
3853	18X4 CH	508	50	18CH42.7	2-7/8	7/8	-	-	24FT 0	1FT 0	249B	246B	-	-	
3854	-	100	36	18CH42.7	-	-	-	-	-	-	412A	410A	-	-	
3855	-	100	50	18CH45.8	-	-	-	-	-	-	246B	324B	-	-	
3856	18X4 CH	507	50	18CH51.9	-	-	-	-	-	-	227A	243A	-	-	
3857	12X4 CH	505	50	12CH50.0	2-7/8	3/4	-	-	12FT 3	1FT 0	440A	441B	-	-	
3858	15X3-3/8CH	515	50	15CH40.0	2-1/2	1/2	-	-	26FT 1	1FT 0	243A	245E	-	-	1
3859	15X3-3/8CH	505	50	15CH40.0	2-1/2	1/2	-	-	26FT 0	1FT 0	245E	243A	-	-	2
3860	12X4 CH	505	50	12CH50.0	2-7/8	3/4	-	-	12FT 4	1FT 0	441A	440A	-	-	
3861	18X4 CH	500	50	18CH51.9	-	-	-	-	-	-	243A	228A	-	-	
3862	-	100	36	16B31	-	-	-	-	-	-	26.5K	299	26	3/4X3	
3863	-	100	36	16B26	-	-	-	-	-	-	346A	201S	12	3/4X3	
3864	-	100	50	14B22	-	-	-	-	-	-	370J	342A	12	3/4X3	
3865	-	100	36	15CH33.9	-	-	-	-	-	-	290A	277A	-	-	
3866	-	100	36	14B22	-	-	-	-	-	-	395A	306B	-	-	

REMARKS

- 1 DETAIL 442A RIGHT END OF BEAM
- 2 DETAIL 442A LEFT END OF BEAM



SKILLING-HELLE-CHRISTIANSEN-ROBERTSON

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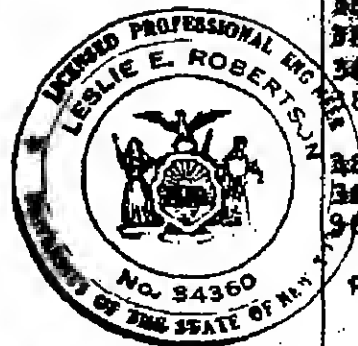
PROJECT	THE WORLD TRADE CENTER	TITLE	BEAM SCHEDULE TOWERS A AND B	DATE	1/22/68
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REVISIONS

BEAM NO.	SIZE	TYPE	FY	SHAPE	PLATE 1		PLATE 2		DIMENSIONS		SUPPORTS		STUDS		REMARKS
					WIDTH	THICK	WIDTH	THICK	LENGTH	DIM. A	LEFT	RIGHT	NO.	SIZE	
3867	-	404	36	16WF50	-	-	-	-	-	-	26.5K	208H	26	3/4X3	
3868	-	404	36	18WF45	-	-	-	-	-	-	274D	475A	26	3/4X3	
3869	-	100	50	14B22	-	-	-	-	-	-	26.5K	26.5K	-	-	
3870	-	100	36	14B22	-	-	-	-	-	-	26.5K	26.5K	-	-	
3871	-	100	50	14B22	-	-	-	-	-	-	26.5K	26.5	-	-	
3872	-	100	50	12B19	-	-	-	-	-	-	26.5K	26.5K	30	3/4X3	
3873	-	100	50	14B22	-	-	-	-	-	-	310B	26.5K	15	3/4X3C	
3874	-	100	50	14B22	-	-	-	-	-	-	170B	287G	15	3/4X3B	
3875	-	100	50	14B22	-	-	-	-	-	-	307C	368B	34	3/4X3	
3876	-	100	36	12B16.5	-	-	-	-	-	-	26.5K	26.5K	-	-	
3877	-	100	36	16WF40	-	-	-	-	-	-	368B	287G	39	3/4X3D	
3878	-	100	50	14B22	-	-	-	-	-	-	26.5K	26.5K	-	-	
3879	-	100	36	16B26	-	-	-	-	-	-	308A	26.5K	15	3/4X3C	
3880	-	100	50	14B22	-	-	-	-	-	-	26.5K	26.5K	-	-	
3881	-	100	50	16WF40	-	-	-	-	-	-	220I	208H	39	3/4X3D	
3882	-	100	50	16WF40	-	-	-	-	-	-	208H	287G	39	3/4X3D	
3883	-	100	36	16WF36	-	-	-	-	-	-	368B	208H	8	3/4X3	
3884	-	100	50	16WF40	-	-	-	-	-	-	208H	208H	39	3/4X3D	
3885	-	100	50	16WF40	-	-	-	-	-	-	208H	220I	39	3/4X3J	
3886	-	100	50	16WF36	-	-	-	-	-	-	26.5K	208H	39	3/4X3	
3887	-	100	50	16WF36	-	-	-	-	-	-	26.5K	208H	47	3/4X3	
3888	-	100	50	16WF36	-	-	-	-	-	-	26.5K	208H	47	3/4X3	
3889	-	100	50	14B22	-	-	-	-	-	-	26.5K	26.5K	-	-	
3890	-	100	50	14B22	-	-	-	-	-	-	26.5K	26.5K	-	-	
3891	-	100	50	14B22	-	-	-	-	-	-	26.5K	26.5K	-	-	
3892	-	100	50	14B22	-	-	-	-	-	-	26.5K	26.5K	-	-	
3893	-	100	50	14B22	-	-	-	-	-	-	26.5K	26.5K	-	-	
3894	-	402	36	16WF40	4	3/8	-	-	18FT 0	-	316A	251D	-	-	
3895	-	402	36	16WF40	4	3/8	-	-	13FT 0	-	402A	402A	-	-	
3896	-	402	36	16WF40	4	3/8	-	-	18FT 0	-	310B	335C	-	-	
3897	-	402	36	16WF40	4	3/8	-	-	18FT 0	-	307C	308A	-	-	
3898	-	402	36	16WF40	4	3/8	-	-	13FT 0	-	402A	402A	-	-	
3899	-	402	36	16WF40	4	3/8	-	-	18FT 0	-	251D	316A	-	-	

REMARKS

- 1 DETAIL 405 RIGHT END OF BEAM
- 2 DETAIL 405 LEFT END OF BEAM



SKILLING-HELLE-CHRISTIANSEN-ROBERTSON

Civil & Structural Engineers

PROJECT		THE WORLD TRADE CENTER			TITLE		BEAM SCHEDULE TOWERS A AND B					DATE		10/ 7/68	
BEAM NO.	SIZE	TYPE	FY	SHAPE	PLATE 1		PLATE 2		DIMENSIONS		SUPPORTS		STUDS		REMARKS
					WIDTH	THICK	WIDTH	THICK	LENGTH	DIM. A	LEFT	RIGHT	NO.	SIZE	
3900	-	402	36	16B31	4	3/8	-	-	18FT 0	-	220D	267B	-	-	
3901	-	402	36	16B31	4	3/8	-	-	18FT 0	-	267B	267B	-	-	
3902	-	402	36	16B31	4	3/8	-	-	18FT 0	-	267B	335I	-	-	1
3903	-	402	36	16B31	4	3/8	-	-	18FT 0	-	307D	267B	-	-	2
3904	-	402	36	16B31	4	3/8	-	-	18FT 0	-	267B	267B	-	-	
3905	-	402	36	16B31	4	3/8	-	-	18FT 0	-	267B	220D	-	-	X
3906	-	100	50	16B31	-	-	-	-	-	-	267B	283S	15	3/4X3	
3907	-	100	50	16B31	-	-	-	-	-	-	267B	111P	15	3/4X3	
3908	-	100	50	16B31	-	-	-	-	-	-	267B	283S	15	3/4X3	
3909	-	100	50	16B31	-	-	-	-	-	-	267B	283S	15	3/4X3	
3910	-	700	36	16WF36	9	1/2	-	-	SEE SUPT. DET.	-	719	705	48	3/4X3	4
3911	16X6 BU	300	36	-	6	1	14	1/2	-	-	720	719	48	3/4X3	5
3912	-	700	36	16WF36	9	1/2	-	-	SEE SUPT. DET.	-	704	705	40	3/4X3	
3913	-	700	36	16WF45	9	1/2	-	-	SEE SUPT. DET.	-	704	713	58	3/4X3	
3914	-	100	36	16WF40	-	-	-	-	-	-	220	26.5K	-	-	
3915	-	100	36	30WF108	-	-	-	-	-	-	44.2K	44.2K	-	-	6
3916	-	100	36	30WF108	-	-	-	-	-	-	44.2K	44.2K	-	-	7
3917	-	100	36	30WF108	-	-	-	-	-	-	325A	283L	-	-	
3918	-	100	36	30WF108	-	-	-	-	-	-	326A	283L	-	-	
3919	-	100	36	30WF108	-	-	-	-	-	-	325A	312A	-	-	
3920	-	700	36	16WF36	9	1/2	-	-	SEE SUPT. DET.	-	705	702	48	3/4X3	
3921	-	100	36	30WF108	-	-	-	-	-	-	712	707	-	-	3
3922	-	100	36	30WF108	-	-	-	-	-	-	713	706	-	-	
3923	-	700	36	16WF36	9	1/2	-	-	SEE SUPT. DET.	-	705	705	-	-	
3924	-	100	36	16WF36	-	-	-	-	-	-	701	705	48	3/4X3	
3925	-	700	36	16WF36	9	1/2	-	-	SEE SUPT. DET.	-	705	707	48	3/4X3	
3926	-	100	36	16WF36	-	-	-	-	-	-	707	706	48	3/4X3	
3927	-	700	36	16WF36	9	1/2	-	-	SEE SUPT. DET.	-	705A	705	48	3/4X3	
3928	-	100	36	30WF108	-	-	-	-	-	-	283L	326A	-	-	
3929	-	700	36	16WF36	9	1/2	-	-	SEE SUPT. DET.	-	714	715	24	3/4X3	
3930	-	100	50	30WF108	-	-	-	-	-	-	283L	325A	-	-	
3931	-	700	50	16WF45	9	1/2	-	-	SEE SUPT. DET.	-	710	739	58	3/4X3	
3932	-	100	50	30WF108	-	-	-	-	-	-	312A	325A	-	-	
3933	-	700	50	16WF36	9	1/2	-	-	SEE SUPT. DET.	-	722	739	48	3/4X3	

REMARKS

1

DETAIL FOR RIGHT END OF BEAM

2

DETAIL FOR LEFT END OF BEAM

3

DET. 712, REV. AFTER FABRICATION, TOWER A ONLY

4

TOWER A ELEV. 264. DETAIL 719A FOR LEFT SUPPORT.

5

TOWER A ELEV. 264. DETAIL 719A FOR RIGHT SUPPORT.

6

TOWER A & B ELEV. 264. DETAIL 19-AB-912 FOR BOTH SUPPORTS.

7

TOWER A & B ELEV. 264. DETAIL 19-AB-912 FOR BOTH SUPPORTS.

REMARKS

- 1 DETAIL 406 BEAM END OF BEAM
- 2 DETAIL 406 LEFT END OF BEAM
- 3 DET. 712, REV. AFTER FABRICATION, TOWER A ONLY
- 4 TOWER A ELEV. 264. DETAIL 719A FOR LEFT SUPPORT.
- 5 TOWER A ELEV. 264. DETAIL 719A FOR RIGHT SUPPORT.

- 6 TOWER A & B ELEV. 264. DETAIL 19-AB-912 FOR BOTH SUPPORTS.
- 7 TOWER A & B ELEV. 264. DETAIL 19-AB-912 FOR BOTH SUPPORTS.

* HOLD

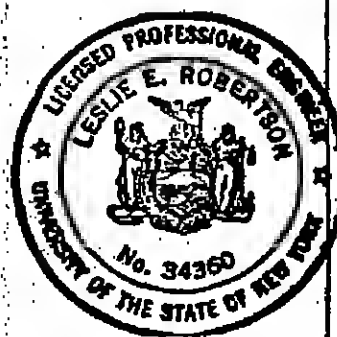
SKILLING, HELLE, CHRISTIANSEN, ROBERTSON

Structural & Civil Engineers

PROJECT		THE WORLD TRADE CENTER			TITLE		BEAM SCHEDULE TOWERS A AND B					DATE		1/10/69	
BEAM NO.	SIZE	TYPE	FY	SHAPE	PLATE 1		PLATE 2		DIMENSIONS		SUPPORTS		STUDS		REMARKS
					WIDTH	THICK	WIDTH	THICK	LENGTH	DIM. A	LEFT	RIGHT	NO.	SIZE	
3934	-	700	50	16WF36	9	1/2	-	-	SEE SUPT. DET.	-	727	714	48	3/4X3	
3935	-	100	36	8B13	-	-	-	-	-	-	17.4K	436A	-	-	
3936	-	700	50	16WF36	9	1/2	-	-	SEE SUPT. DET.	-	726	715	48	3/4X3	
3937	-	700	50	16WF36	9	1/2	-	-	SEE SUPT. DET.	-	723	739	48	3/4X3	
3938	-	100	50	12CH45.0	-	-	-	-	-	-	426A	427B	-	-	
3939	-	700	50	16WF36	9	1/2	-	-	SEE SUPT. DET.	-	710	739	48	3/4X3	X
3940	-	469	50	30WF108	-	-	-	-	-	-	283P	323A	-	-	2
3941	-	700	36	16WF36	9	1/2	-	-	SEE SUPT. DET.	-	710	710	26	3/4X3	
3942	-	700	36	12WF27	8-1/2	1/2	-	-	SEE SUPT. DET.	-	721	722	36	3/4X3	
3943	-	700	36	16B26	7-1/2	1/2	-	-	SEE SUPT. DET.	-	739	727	30	3/4X3	
3944	-	700	36	12WF27	8-1/2	1/2	-	-	SEE SUPT. DET.	-	725	726	36	3/4X3	
3945	-	700	36	12WF27	8-1/2	1/2	-	-	SEE SUPT. DET.	-	724	723	36	3/4X3	
3946	-	700	36	16WF36	9	1/2	-	-	SEE SUPT. DET.	-	709	710	25	3/4X3	
3947	-	700	36	12WF27	8-1/2	1/2	-	-	SEE SUPT. DET.	-	722	727	36	3/4X3	
3948	-	700	36	16WF36	9	1/2	-	-	SEE SUPT. DET.	-	727	726	25	3/4X3	
3949	-	700	36	12WF27	8-1/2	1/2	-	-	SEE SUPT. DET.	-	726	723	36	3/4X3	
3950	-	700	50	16WF40	9	1/2	-	-	SEE SUPT. DET.	-	721	725	52	3/4X3	
3951	-	700	36	16WF36	9	1/2	-	-	SEE SUPT. DET.	-	725	724	24	3/4X3	
3952	-	425	36	16WF40	-	-	-	-	-	4FT. 0	708	704	15	3/4X3	
3953	-	700	36	16WF45	9	1/2	-	-	SEE SUPT. DET.	-	704	712	52	3/4X3	
3954	-	700	36	18WF45	9-1/2	1/2	-	-	SEE SUPT. DET.	-	712	714	58	3/4X3	
3955	-	700	36	16WF40	9	1/2	-	-	SEE SUPT. DET.	-	715	711A	52	3/4X3	
3956	-	700	36	16WF40	9	1/2	-	-	SEE SUPT. DET.	-	711A	711A	52	3/4X3	
3957	-	700	36	16WF40	9	1/2	-	-	SEE SUPT. DET.	-	711A	709	52	3/4X3	
3958	-	700	50	18WF45	9-1/2	1/2	-	-	SEE SUPT. DET.	-	709	710	58	3/4X3	
3959	-	700	50	18WF45	9-1/2	1/2	-	-	SEE SUPT. DET.	-	710	722	58	3/4X3	
3960	-	700	50	18WF45	9-1/2	1/2	-	-	SEE SUPT. DET.	-	723	710	58	3/4X3	
3961	-	700	50	18WF45	9-1/2	1/2	-	-	SEE SUPT. DET.	-	710	709	58	3/4X3	
3962	-	100	36	10WF21	-	-	-	-	-	-	369A	172B	-	-	
3963	-	700	50	16WF45	9	1/2	-	-	SEE SUPT. DET.	-	739	710	58	3/4X3	
3964	-	100	36	16B26	-	-	-	-	-	-	508	418B	-	-	1
3965	-	700	36	16WF36	9	1/2	-	-	SEE SUPT. DET.	-	739	721	48	3/4X3	
3966	-	100	50	16B26	-	-	-	-	-	-	26.5K	26.5K	-	-	

REMARKS

- 1 DETAIL 512 INTERMEDIATE SUPPORT OF BEAM
- 2 BEAM TYPE 469, REVISION AFTER FABRICATION, TOWER A ONLY



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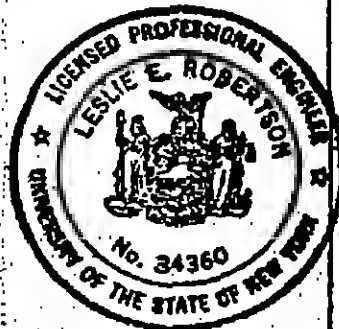
Structural & Civil Engineers

PROJECT		THE WORLD TRADE CENTER			TITLE		BEAM SCHEDULE TOWERS A AND B					DATE		1/10/69	
BEAM NO.	SIZE	TYPE	FY	SHAPE	PLATE 1		PLATE 2		DIMENSIONS		SUPPORTS		STUDS		REMARKS
					WIDTH	THICK	WIDTH	THICK	LENGTH	DIM. A	LEFT	RIGHT	NO.	SIZE	
3967	-	700	36	16WF36	9	1/2	-	-	SEE SUPT. DET.	-	717	725	48	3/4X3	
3968	-	700	36	16WF45	9	1/2	-	-	SEE SUPT. DET.	-	739	724	58	3/4X3	
3969	-	100	(36)	16B26	-	-	-	-	-	-	509A	509A	-	-	
3970	-	700	50	16WF45	9	1/2	-	-	SEE SUPT. DET.	-	739	709	48	3/4X3	
3971	-	100	36	21WF55	-	-	-	-	-	-	43TA	4148	-	-	
3972	-	700	36	16WF36	9	1/2	-	-	SEE SUPT. DET.	-	715	705A	40	3/4X3	X
3973	-	700	50	18WF45	9-1/2	1/2	-	-	SEE SUPT. DET.	-	710	721	58	3/4X3	
3974	-	700	50	16WF45	9	1/2	-	-	SEE SUPT. DET.	-	739	739	58	3/4X3	
3975	-	700	50	18WF45	9-1/2	1/2	-	-	SEE SUPT. DET.	-	709	709	58	3/4X3	
3976	-	100	36	16B26	-	-	-	-	-	-	26.5K	418B	-	-	1
3977	-	100	36	30WF108	-	-	-	-	-	-	44.2K	44.2K	-	-	4
3978	-	100	36	16B26	-	-	-	-	-	-	418B	508	-	-	1
3979	-	700	36	16WF36	9	1/2	-	-	SEE SUPT. DET.	-	705	704	40	3/4X3	
3980	-	100	36	12WF31	-	-	-	-	-	-	201Q	105L	12	3/4X3	
3981	-	100	36	30WF108	-	-	-	-	-	-	706	716	-	-	
3982	-	700	36	16WF36	9	1/2	-	-	SEE SUPT. DET.	-	720	717	40	3/4X3	
3983	18X4 BU	300	36	-	4	1-3/8	15-1/4	1/2	-	-	35.3K	35.3K	58	3/4X3	
3984	-	100	36	24WF68	-	-	-	-	-	-	719	718	-	-	5
3985	-	100	36	30WF108	-	-	-	-	-	-	707	713	-	-	6
3986	-	100	36	10WF21	-	-	-	-	-	-	17.4K	17.4K	-	-	
3987	-	100	36	16B26	-	-	-	-	-	-	508	418B	-	-	1
3988	-	100	36	18WF50	-	-	-	-	-	-	487A	30.0K	-	-	7
3989	-	100	36	12WF27	-	-	-	-	-	-	26.5K	26.5K	36	3/4X3	
3990	-	700	36	14WF30	8-3/4	1/2	-	-	SEE SUPT. DET.	-	739	739	40	3/4X3	2
3991	-	700	36	18WF45	9-1/2	1/2	-	-	SEE SUPT. DET.	-	713	716	58	3/4X3	
3992	-	700	36	18WF50	9-1/2	1/2	-	-	SEE SUPT. DET.	-	717	718	58	3/4X3	
3993	-	700	36	16WF40	9	1/2	-	-	SEE SUPT. DET.	-	718	711	52	3/4X3	
3994	-	700	36	16WF40	9	1/2	-	-	SEE SUPT. DET.	-	711	709	52	3/4X3	
3995	-	700	36	16WF36	9	1/2	-	-	SEE SUPT. DET.	-	706	720	25	3/4X3	
3996	-	700	36	16WF36	9	1/2	-	-	SEE SUPT. DET.	-	716	717	24	3/4X3	
3997	-	700	36	16WF36	9	1/2	-	-	SEE SUPT. DET.	-	706	705A	25	3/4X3	
3998	-	700	36	12WF27	8-1/2	1/2	-	-	SEE SUPT. DET.	-	739	739	36	3/4X3	
3999	-	100	36	12WF27	-	-	-	-	-	-	26.5K	26.5K	36	3/4X3	
REMARKS															
1 DETAIL 512 INTERMEDIATE SUPPORT OF BEAM															
2 USE TYPE 100 AND DELETE PLATE 1, TOWER B ONLY															
3 REVISED AFTER FABRICATION, SEE 19-A-900 FOR END SUPPORTS, TOWER A ONLY															
4 TOWER A & B ELEV. 264. DETAIL 19-AB-912 FOR BOTH SUPPORTS.															
5 TOWER A ELEV. 264. DETAIL 719A FOR LEFT SUPPORT.															
6 TOWER A & B ELEV. 264. DETAIL 713A FOR RIGHT SUPPORT.															
7 TOWER A & B ELEV. 264. DETAIL 19-AB-912 FOR RIGHT SUPPORT.															
5-AB1-120															

REMARKS

- 1 DETAIL 512 INTERMEDIATE SUPPORT OF BEAM
- 2 USE TYPE 100 AND DELETE PLATE 1, TOWER B ONLY
- 3 REVISED AFTER FABRICATION, SEE 19-A-900 FOR END SUPPORTS, TOWER A ONLY
- 4 TOWER A & B ELEV. 264. DETAIL 19-AB-912 FOR BOTH SUPPORTS.
- 5 TOWER A ELEV. 264. DETAIL 719A FOR LEFT SUPPORT.
- 6 TOWER A & B ELEV. 264. DETAIL 713A FOR RIGHT SUPPORT.

- 7 TOWER A & B ELEV. 264. DETAIL 19-AB-912 FOR RIGHT SUPPORT.



SKILLING-HELLE-CHRISTIANSEN-ROBERTSON

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PROJECT		THE WORLD TRADE CENTER				TITLE		BEAM SCHEDULE TOWERS A AND B				DATE		1/22/68	
BEAM NO.	SIZE	TYPE	FY	SHAPE	PLATE 1		PLATE 2		DIMENSIONS		SUPPORTS		STUDS		REMARKS
					WIDTH	THICK	WIDTH	THICK	LENGTH	DIM. A	LEFT	RIGHT	NO.	SIZE	
4000	-	100	36	15CH33.9	-	-	-	-	-	-	290A	290A	-	-	
4001	-	700	50	18WF45	9-1/2	1/2	-	-	SEE SUPT. DET.	DET.	701	703	58	3/4X3	
4002	-	700	50	18WF45	9-1/2	1/2	-	-	SEE SUPT. DET.	DET.	703	703	58	3/4X3	
4003	-	700	50	18WF45	9-1/2	1/2	-	-	SEE SUPT. DET.	DET.	703	703A	58	3/4X3	
4004	-	700	50	18WF45	9-1/2	1/2	-	-	SEE SUPT. DET.	DET.	703A	703	58	3/4X3	
4005	-	700	50	18WF45	9-1/2	1/2	-	-	SEE SUPT. DET.	DET.	703	703	58	3/4X3	
4006	-	700	50	18WF45	9-1/2	1/2	-	-	SEE SUPT. DET.	DET.	703	702	58	3/4X3	
4007	-	700	36	18WF45	9-1/2	1/2	-	-	SEE SUPT. DET.	DET.	703A	703A	30	3/4X3	
4008	-	100	50	12WF27	-	-	-	-	-	-	357B	2010	12	3/4X3	
4009	-	100	36	16WF40	-	-	-	-	-	-	106E	106E	39	3/4X3	
4010	-	700	36	16WF36	9	1/2	-	-	SEE SUPT. DET.	DET.	711A	705	40	3/4X3	
4011	-	700	36	16WF36	9	1/2	-	-	SEE SUPT. DET.	DET.	705	711	40	3/4X3	
4012	-	100	36	14WF38	-	-	-	-	-	-	106	106	-	-	
4013	-	100	36	16WF45	-	-	-	-	-	-	701	708	-	-	
4014	-	700	50	18WF85	9-1/2	1/2	-	-	SEE SUPT. DET.	DET.	708	709	64	3/4X3	
4015	-	700	36	18WF45	9-1/2	1/2	-	-	SEE SUPT. DET.	DET.	709	709	30	3/4X3	
4016	-	700	50	18WF85	9-1/2	1/2	-	-	SEE SUPT. DET.	DET.	709	708	64	3/4X3	
4017	-	100	36	16WF45	-	-	-	-	-	-	708	701	-	-	
4018	-	700	36	16WF45	9	1/2	-	-	SEE SUPT. DET.	DET.	702	709	45	3/4X3	
4019	-	700	50	18WF45	9-1/2	1/2	-	-	SEE SUPT. DET.	DET.	709	709	58	3/4X3	
4020	-	700	36	18WF45	9-1/2	1/2	-	-	SEE SUPT. DET.	DET.	709	709	30	3/4X3	
4021	-	700	50	18WF45	9-1/2	1/2	-	-	SEE SUPT. DET.	DET.	709	709	58	3/4X3	
4022	-	700	36	16WF45	9	1/2	-	-	SEE SUPT. DET.	DET.	709	702	45	3/4X3	
4023	-	100	36	14WF30	-	-	-	-	-	-	26.5K	330B	-	-	
4024	-	100	36	14WF30	-	-	-	-	-	-	26.5K	26.5K	-	-	
4025	-	100	50	16WF45	-	-	-	-	-	-	106D	106D	47	3/4X3	
4026	-	100	36	16WF40	-	-	-	-	-	-	17.4K	17.4K	12	3/4X3	
4027	-	100	36	16WF40	-	-	-	-	-	-	220M	205F	-	-	
4028	-	100	36	16WF40	-	-	-	-	-	-	401A	401A	-	-	
4029	-	100	36	16WF40	-	-	-	-	-	-	205F	335C	-	-	1
4030	-	100	36	16WF40	-	-	-	-	-	-	310B	205F	-	-	2
4031	-	100	36	16WF40	-	-	-	-	-	-	401A	401A	-	-	
4032	-	100	36	16WF40	-	-	-	-	-	-	205F	220M	-	-	
4033	-	100	36	16B31	-	-	-	-	-	-	26.5K	26.5K	-	-	
REMARKS															
1 DETAIL 403 RIGHT END OF BEAM															
2 DETAIL 405 LEFT END OF BEAM															

5-081-121

REMARKS

- 1 DETAIL 403 RIGHT END OF BEAM
- 2 DETAIL 405 LEFT END OF BEAM



SKILLING-HELLE-CHRISTIANSEN-ROBERTSON

Civil & Structural Engineers

PROJECT

THE WORLD TRADE CENTER

TITLE

BEAM SCHEDULE TOWERS A AND B

DATE

1/22/68

REVISIONS

BEAM NO.	SIZE	TYPE	FY	SHAPE	PLATE 1		PLATE 2		DIMENSIONS		SUPPORTS		STUDS		REMARKS
					WIDTH	THICK	WIDTH	THICK	LENGTH	DIM. A	LEFT	RIGHT	NO.	SIZE	
4034	-	100	36	16B31	-	-	-	-	-	-	26.5K	26.5K	-	-	
4035	-	100	36	16B31	-	-	-	-	-	-	26.5K	26.5K	-	-	
4036	16X8BX	252	36	-	8	1/2	15	1/2	-	-	383A	812B	-	-	
4037	-	100	36	16WF36	-	-	-	-	-	-	26.5K	26.5K	(20)	3/4X3	
4038	-	100	50	15CH40.0	-	-	-	-	-	-	376A	375A	-	-	
4039	-	100	50	15CH40.0	-	-	-	-	-	-	375A	376A	-	-	
4040	-	100	50	18WF45	-	-	-	-	-	-	803E	804B	(10)	3/4X3	
4041	-	100	50	18WF45	-	-	-	-	-	-	803E	801B	(10)	3/4X3	
4042	-	100	36	21WF55	-	-	-	-	-	-	293A	381B	-	-	
4043	-	100	50	18WF45	-	-	-	-	-	-	801B	803E	(10)	3/4X3	
4044	-	100	50	18WF45	-	-	-	-	-	-	804B	803E	(10)	3/4X3	
4045	-	100	36	14B22	-	-	-	-	-	-	216A	335D	24	3/4X3	
4046	-	100	36	16WF40	-	-	-	-	-	-	220I	374A	39	3/4X3	
4047	-	100	36	16WF40	-	-	-	-	-	-	374A	287G	(39)	3/4X3	
4048	-	100	36	16WF40	-	-	-	-	-	-	106D	111I	(39)	3/4X3	
4049	-	100	36	16WF40	-	-	-	-	-	-	106D	111I	(39)	3/4X3	
4050	-	100	36	8CH11.5	-	-	-	-	-	-	392B	17.4K	-	-	
4051	-	100	36	8CH11.5	-	-	-	-	-	-	17.4K	392B	-	-	
4052	-	100	36	12WF27	-	-	-	-	-	-	283G	105D	19	3/4X4-1/2	
4053	-	404	36	18WF50	-	-	-	-	-	-	338D	274B	(26)	3/4X3	
4054	-	404	36	18WF45	-	-	-	-	-	-	274B	282A	(26)	3/4X3	
4055	18X4 BX	200	36	-	2-1/2	3/8	18	3/4	-	-	296C	274B	-	-	
4056	-	100	50	18WF45	-	-	-	-	-	-	106D	111I	39	3/4X3	
4057	-	100	36	18WF40	-	-	-	-	-	-	205F	220M	24	3/4X3	
4058	-	100	36	18WF45	-	-	-	-	-	-	286A	395C	-	-	
4059	-	100	50	12CH50.0	-	-	-	-	-	-	229B	311A	-	-	
4060	18X4 CH	507	50	18CH51.9	-	-	-	-	-	-	229B	245B	-	-	1
4061	18X4-CH	500	50	18CH51.9	-	-	-	-	-	-	245B	229B	-	-	1
4062	-	100	36	5CH9.0	-	-	-	-	-	-	501A	366C	-	-	
4063	-	404	36	16WF45	-	-	-	-	-	-	278A	282A	(26)	3/4X3	
4064	-	100	50	15CH40.0	-	-	-	-	-	-	315A	232A	-	-	
4065	-	404	36	18WF45	-	-	-	-	-	-	26.5K	282A	(26)	3/4X3	
4066	-	100	50	15CH40.0	-	-	-	-	-	-	315A	232B	-	-	

REMARKS

1 REINF. PLATES 3FT 9 X 1



SKILLING-HELLE-CHRISTIANSEN-ROBERTSON

Civil & Structural Engineers

PROJECT

THE WORLD TRADE CENTER

TITLE

BEAM SCHEDULE TOWERS A AND B

DATE

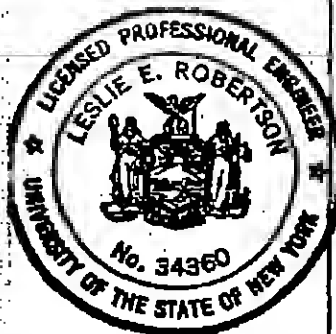
07/11/69

REVISIONS

BEAM NO.	SIZE	TYPE	FY	SHAPE	PLATE 1		PLATE 2		DIMENSIONS		SUPPORTS		STUDS		REMARKS
					WIDTH	THICK	WIDTH	THICK	LENGTH	DIM. A	LEFT	RIGHT	NO.	SIZE	
4067	38X7 BU	301	36	-	7	1- 3/4	34-1/2	3/4	-	-	2201	352B	-	-	1
4068	-	100	36	16WF40	-	-	-	-	-	-	352B	287G	44	3/4X3	
4069	-	100	36	10WF21	-	-	-	-	-	-	101	17.4K	-	-	
4070	-	100	36	10WF21	-	-	-	-	-	-	269	101	-	-	
4071	-	100	36	10WF21	-	-	-	-	-	-	17.4K	511	-	-	
4072	-	100	36	10WF21	-	-	-	-	-	-	17.4K	17.4K	-	-	
4073	-	100	36	24WF76	-	-	-	-	-	-	228A	313C	-	-	
4074	-	100	36	10WF45	-	-	-	-	-	-	105K	105K	-	-	
4075	-	100	36	12WF27	-	-	-	-	-	-	26.5K	26.5K	-	-	
4076	-	100	36	12B19	-	-	-	-	-	-	17.4K	17.4K	-	-	
4077	-	100	36	12B19	-	-	-	-	-	-	17.4K	17.4K	14	3/4X3	
4078	-	100	36	12WF27	-	-	-	-	-	-	26.5K	26.5K	-	-	
4079	-	100	36	12B19	-	-	-	-	-	-	17.4K	481A	-	-	
4080	-	100	36	8B13	-	-	-	-	-	-	17.4K	17.4K	-	-	
4081	-	100	36	12B19	-	-	-	-	-	-	26.5K	26.5K	19	3/4X3	
4082	16X4 BX	200	36	-	2-1/2	3/8	16	3/4	-	-	296C	296C	-	-	
4083	-	100	36	16WF36	-	-	-	-	-	-	26.5K	26.5K	-	-	
4084	-	100	36	8B13	-	-	-	-	-	-	17.4K	17.4K	-	-	
4085	-	100	36	14B22	-	-	-	-	-	-	26.5K	26.5K	-	-	
4086	-	100	36	14B22	-	-	-	-	-	-	26.5K	26.5K	-	-	
4087	-	100	36	16WF36	-	-	-	-	-	-	26.5K	26.5K	-	-	
4088	-	100	36	12WF27	-	-	-	-	-	-	26.5K	26.5K	-	-	
4089	-	100	36	12WF27	-	-	-	-	-	-	26.5K	26.5K	-	-	
4090	-	100	36	8B13	-	-	-	-	-	-	17.4K	17.4K	-	-	
4091	-	100	36	8B13	-	-	-	-	-	-	102	507	-	-	
4092	-	100	36	14B22	-	-	-	-	-	-	26.5K	26.5K	-	-	
4093	-	100	36	14B31	-	-	-	-	-	-	26.5K	105	-	-	
4094	-	100	36	14B26	-	-	-	-	-	-	26.5K	26.5K	-	-	
4095	-	100	36	12B19	-	-	-	-	-	-	336	503	-	-	
4096	-	100	36	12B19	-	-	-	-	-	-	17.4K	176	-	-	
4097	-	100	36	12B19	-	-	-	-	-	-	17.4K	505	-	-	
4098	-	100	36	12B16.5	-	-	-	-	-	-	507	505	-	-	
4099	-	100	36	12B16.5	-	-	-	-	-	-	505	17.4K	-	-	

REMARKS

1 REINF. PLATES 8FT 5 X 3/4



SKILLING-HELLE-CHRISTIANSEN-ROBERTSON

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PROJECT		THE WORLD TRADE CENTER			TITLE		BEAM SCHEDULE TOWERS A AND B				DATE		1/22/68		
BEAM NO.	SIZE	TYPE	FY	SHAPE	PLATE 1		PLATE 2		DIMENSIONS		SUPPORTS		STUDS		REMARKS
					WIDTH	THICK	WIDTH	THICK	LENGTH	DIM. A	LEFT	RIGHT	NO.	SIZE	
4100	-	100	36	14WF30	-	-	-	-	-	-	209A	209A	-	-	
4101	-	100	36	16B26	-	-	-	-	-	-	418B	509A	-	-	1
4102	-	100	36	16B26	-	-	-	-	-	-	509A	26.5K	-	-	
4103	-	100	36	12B16.5	-	-	-	-	-	-	105L	26.5K	15	3/4X4-1/2C	
4104	-	100	36	8B13	-	-	-	-	-	-	17.4K	481A	12	3/4X3	
4105	-	100	36	16B31	-	-	-	-	-	-	475A	26.5K	-	-	
4106	-	100	36	16B31	-	-	-	-	-	-	26.5K	26.5K	-	-	
4107	-	100	50	12WF27	-	-	-	-	-	-	2010	105L	12	3/4X4-1/2	
4108	-	100	36	12WF27	-	-	-	-	-	-	26.5K	26.5K	18	3/4X3	
4109	16X5-1/2BX	201	36	-	4	3/8	16	3/4	-	-	296A	247G	-	-	
4110	-	100	36	14B22	-	-	-	-	-	-	26.5K	26.5K	-	-	
4111	16X5-1/2BX	201	36	-	4	1/4	16	3-4	-	-	247G	206A	-	-	
4112	16X5-1/2BX	202	36	-	4	1/4	16	3-4	-	-	247G	247G	-	-	
4113	16X5-1/2BX	202	36	-	4	1/4	16	3-4	-	-	225A	328A	-	-	
4114	-	100	36	16B31	-	-	-	-	-	-	396A	396A	-	-	
4115	-	100	36	16B26	-	-	-	-	-	-	203B	106K	8	3/4X3	
4116	-	100	50	12B16.5	-	-	-	-	-	-	26.5K	26.5K	26	3/4X3	
4117	-	100	50	12B16.5	-	-	-	-	-	-	26.5K	26.5K	26	3/4X3	
4118	-	100	50	12B16.5	-	-	-	-	-	-	26.5K	26.5K	26	3/4X3	
4119	-	100	50	12B16.5	-	-	-	-	-	-	26.5K	26.5K	26	3/4X3	
4120	-	100	36	16WF36	-	-	-	-	-	-	26.5K	208H	16	3/4X3B	
4121	-	100	50	12B16.5	-	-	-	-	-	-	466A	466A	26	3/4X3	
4122	-	100	36	12WF27	-	-	-	-	-	-	26.5K	26.5K	-	-	
4123	-	100	50	12B16.5	-	-	-	-	-	-	466A	466A	26	3/4X3	
4124	-	100	36	12B16.5	-	-	-	-	-	-	26.5K	26.5K	-	-	
4125	-	100	50	12B16.5	-	-	-	-	-	-	466A	466A	26	3/4X3	
4126	-	100	36	8B13	-	-	-	-	-	-	17.4K	17.4K	-	-	
4127	-	100	50	14B22	-	-	-	-	-	-	235C	370J	34	3/4X3	
4128	-	100	50	14B22	-	-	-	-	-	-	235C	370J	34	3/4X3	
4129	-	100	36	16WF40	-	-	-	-	-	-	106	106	-	-	
4130	-	100	50	12B16.5	-	-	-	-	-	-	466A	466A	26	3/4X3	
4131	-	100	36	16B31	-	-	-	-	-	-	396A	220G	-	-	
4132	-	100	50	12B16.5	-	-	-	-	-	-	466A	466A	26	3/4X3	
4133	-	100	50	12B16.5	-	-	-	-	-	-	466A	466A	26	3/4X3	

REMARKS

1 DETAIL 512 INTERMEDIATE SUPPORT OF BEAM

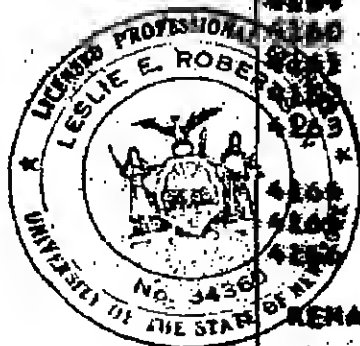
SKILLING-HELLE-CHRISTIANSEN-ROBERTSON

Civil & Structural Engineers

PROJECT		THE WORLD TRADE CENTER			TITLE		BEAM SCHEDULE TOWERS A AND B					DATE		2/12/68	
BEAM NO.	SIZE	TYPE	FY	SHAPE	PLATE 1		PLATE 2		DIMENSIONS		SUPPORTS		STUDS		REMARKS
					WIDTH	THICK	WIDTH	THICK	LENGTH	DIM. A	LEFT	RIGHT	NO.	SIZE	
4134	-	100	36	16B31	-	-	-	-	-	-	26.5K	486A	-	-	
4135	-	100	36	16B31	-	-	-	-	-	-	486A	486A	-	-	
4136	-	100	36	16B31	-	-	-	-	-	-	486A	463C	-	-	
4137	-	100	36	16B31	-	-	-	-	-	-	463C	486A	-	-	
4138	-	100	36	16B31	-	-	-	-	-	-	486A	486A	-	-	
4139	-	100	36	16B31	-	-	-	-	-	-	486A	26.5K	-	-	
4140	-	100	36	16WF40	-	-	-	-	-	-	220M	205F	-	-	
4141	-	100	36	16WF40	-	-	-	-	-	-	401A	401A	-	-	
4142	-	100	36	16WF40	-	-	-	-	-	-	205F	335C	-	-	1.
4143	-	100	36	16WF40	-	-	-	-	-	-	310B	205F	-	-	2.
4144	-	100	36	16WF40	-	-	-	-	-	-	401A	401A	-	-	
4145	-	100	36	16WF40	-	-	-	-	-	-	205F	220M	-	-	
4146	-	100	50	16B26	-	-	-	-	-	-	111Q	111U	40	3/4X3	
4147	-	100	50	16B26	-	-	-	-	-	-	111Q	111U	40	3/4X3	
4148	-	100	50	16B26	-	-	-	-	-	-	111Q	111U	40	3/4X3	
4149	-	100	50	16B26	-	-	-	-	-	-	111Q	111U	40	3/4X3	
4150	-	100	50	16WF36	-	-	-	-	-	-	171A	208I	39	3/4X3D	
4151	-	100	50	16WF36	-	-	-	-	-	-	208I	26.5K	39	3/4X3D	
4152	-	100	50	16WF36	-	-	-	-	-	-	26.5K	26.5K	8	3/4X3	
4153	-	100	50	16WF36	-	-	-	-	-	-	26.5K	26.5K	6	3/4X3	
4154	-	100	50	16WF36	-	-	-	-	-	-	26.5K	208I	39	3/4X3D	
4155	-	100	50	16WF36	-	-	-	-	-	-	208I	171A	39	3/4X3K	
4156	-	464	50	16WF36	-	-	-	-	-	-	208I	26.5K	56	3/4X3	
4157	-	100	50	16WF36	-	-	-	-	-	-	111M	26.5K	56	3/4X3	
4158	-	100	50	16B26	-	-	-	-	-	-	203B	335C	40	3/4X3	
4159	-	100	50	16B26	-	-	-	-	-	-	105L	310B	40	3/4X3	
4160	-	404	50	16WF45	-	-	-	-	-	-	278A	475A	26	3/4X3	
4161	-	100	50	16WF36	-	-	-	-	-	-	208I	26.5K	56	3/4X3	
4162	-	100	50	16WF50	-	-	-	-	-	-	469B	344A	30	3/4X3	
4163	-	100	50	16WF50	-	-	-	-	-	-	344A	26.5K	30	3/4X3	
4164	-	100	36	16WF36	-	-	-	-	-	-	111M	26.5K	34	3/4X3	
4165	-	100	36	16WF36	-	-	-	-	-	-	26.5K	26.5K	-	-	
4166	-	100	50	16WF50	-	-	-	-	-	-	26.5K	344A	30	3/4X3	
REMARKS															
1 DETAIL 405 RIGHT END OF BEAM															
2 DETAIL 405 LEFT END OF BEAM															

REMARKS

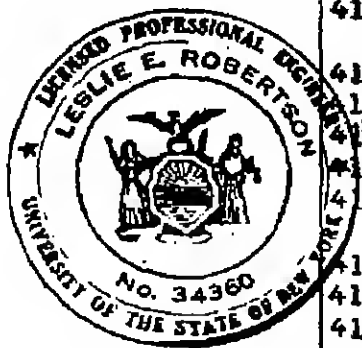
- 1 DETAIL 405 RIGHT END OF BEAM
- 2 DETAIL 405 LEFT END OF BEAM



SKILLING-HELLE-CHRISTIANSEN-ROBERTSON

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PROJECT					TITLE						DATE				
THE WORLD TRADE CENTER					BEAM SCHEDULE TOWERS A AND B						1/22/68				
BEAM NO.	SIZE	TYPE	FY	SHAPE	PLATE 1		PLATE 2		DIMENSIONS		SUPPORTS		STUDS		REMARKS
					WIDTH	THICK	WIDTH	THICK	LENGTH	DIM. A	LEFT	RIGHT	NO.	SIZE	
4167	-	100	50	16WF50	-	-	-	-	-	-	344A	469B	30	3/4X3 ^H	
4168	-	100	50	21WF55	-	-	-	-	-	-	469A	470A	56	3/4X3	
4169	-	446	50	24WF84	-	-	-	-	-	-	262A	344A	-	-	
4170	-	100	50	21WF62	-	-	-	-	-	-	470A	35.3K	56	3/4X3	
4171	-	446	50	24WF68	-	-	-	-	-	-	105N	487A	-	-	
4172	-	100	50	16WF45	-	-	-	-	-	-	203C	357E	15	3/4X3	
4173	-	100	50	16WF45	-	-	-	-	-	-	105N	105P	15	3/4X3	
4174	-	446	50	24WF68	-	-	-	-	-	-	105N	487A	-	-	
4175	-	100	50	21WF62	-	-	-	-	-	-	35.3K	470A	56	3/4X3	
4176	-	446	50	24WF84	-	-	-	-	-	-	344A	262A	-	-	
4177	-	100	50	21WF55	-	-	-	-	-	-	470A	469A	56	3/4X3	
4178	20X9 BX	250	36	-	9	7/8	18-1/4	3/8	-	-	277A	302A	-	-	
4179	-	100	36	16WF40	-	-	-	-	-	-	106F	111M	-	-	
4180	20X9 BX	250	36	-	9	7/8	18-1/4	3/8	-	-	277A	302A	-	-	
4181	30X7 BU	320	36	-	7	1- 3/4	26-1/2	1/2	-	-	201L	283Q	-	-	
4182	30X7 BU	320	36	-	7	1- 3/4	26-1/2	1/2	-	-	201L	283Q	-	-	
4183	-	100	36	16WF36	-	-	-	-	-	-	203C	106E	8	3/4X3	
4184	-	100	36	30WF116	-	-	-	-	-	-	44.2K	44.2K	-	-	
4185	30X10BU	300	36	-	10	2- 1/2	25	7/8	-	-	201M	111T	-	-	
4186	-	100	36	30WF116	-	-	-	-	-	-	44.2K	44.2K	-	-	
4187	30X10BU	300	36	-	10	2- 1/2	25	7/8	-	-	201M	111T	-	-	
4188	-	100	36	30WF116	-	-	-	-	-	-	44.2K	44.2K	-	-	
4189	30X7 BU	300	36	-	7	1- 3/4	26-1/2	1/2	-	-	201M	283Q	15	3/4X3	
4190	30X7 BU	300	36	-	7	1- 3/4	26-1/2	1/2	-	-	201L	283Q	15	3/4X3	
4191	-	100	36	30WF116	-	-	-	-	-	-	44.2K	44.2K	-	-	
4192	30X10BU	300	36	-	10	2- 1/2	25	7/8	-	-	201M	111T	-	-	
4193	-	100	36	30WF116	-	-	-	-	-	-	44.2K	44.2K	-	-	
4194	30X10BU	300	36	-	10	2- 1/2	25	7/8	-	-	201M	111T	-	-	
4195	-	100	36	30WF116	-	-	-	-	-	-	44.2K	44.2K	-	-	
4196	30X7 BU	300	36	-	7	2	26	5/8	-	-	44.2K	44.2K	-	-	
4197	30X7 BU	300	36	-	7	2	26	5/8	-	-	44.2K	44.2K	-	-	
4198	30X7 BU	300	36	-	7	2	26	5/8	-	-	44.2K	44.2K	-	-	
4199	30X7 BU	300	36	-	7	2	26	5/8	-	-	44.2K	44.2K	-	-	



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TITLE

BEAM SCHEDULE TOWERS A AND B

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REVISIONS

BEAM NO.	SIZE	TYPE	FY	SHAPE	PLATE 1		PLATE 2		DIMENSIONS		SUPPORTS		STUDS		REMARKS
					WIDTH	THICK	WIDTH	THICK	LENGTH	DIM. A	LEFT	RIGHT	NO.	SIZE	
4200	30X7 BU	300	36	-	7	2	26	5/8	-	-	44.2K	44.2K	-	-	
4201	30X7 BU	300	36	-	7	2	26	5/8	-	-	44.2K	44.2K	-	-	
4202	30X7 BU	300	36	-	7	2	26	5/8	-	-	485A	292B	-	-	
4203	30X7 BU	300	36	-	7	2	26	5/8	-	-	292B	292B	-	-	
4204	30X7 BU	300	36	-	7	2	26	5/8	-	-	292B	500A	-	-	
4205	30X7 BU	300	36	-	7	2	26	5/8	-	-	500A	292B	-	-	
4206	30X7 BU	300	36	-	7	2	26	5/8	-	-	292B	292B	-	-	
4207	30X7 BU	300	36	-	7	2	26	5/8	-	-	292B	485A	-	-	
4208	18X4 CH	509	50	18CH45.8	-	-	-	-	-	-	253A	246A	-	-	
4209	-	100	36	18CH42.7	-	-	-	-	-	-	410A	411A	-	-	
4210	18X4 CH	100	50	18CH42.7	-	-	-	-	-	-	246A	249A	-	-	
4211	18X4 CH	508	50	18CH42.7	2-7/8	7/8	-	-	24FT 0	1FT 0	249A	246A	-	-	
4212	-	100	36	18CH42.7	-	-	-	-	-	-	412A	410A	-	-	
4213	-	100	50	18CH45.8	-	-	-	-	-	-	246A	253A	-	-	
4214	-	100	36	16831	-	-	-	-	-	-	396A	220G	-	-	
4215	-	100	36	16831	-	-	-	-	-	-	220G	396A	-	-	
4216	-	100	36	16831	-	-	-	-	-	-	396A	205I	-	-	1
4217	-	100	36	8813	-	-	-	-	-	-	111H	111H	-	-	
4218	16X5-1/28X	204	36	-	4	1/4	16	3/4	-	-	328A	225A	-	-	
4219	-	100	36	16831	-	-	-	-	-	-	364C	364D	-	-	
4220	-	100	36	16WF36	-	-	-	-	-	-	26.5K	26.5K	-	-	
4221	-	100	36	16831	-	-	-	-	-	-	364D	364C	-	-	
4222	-	100	36	16WF40	-	-	-	-	-	-	106F	215B	-	-	8 3/4X3B
4223	-	100	36	7CH17.6	-	-	-	-	-	-	521	521	-	-	
4224	21X7 BU	300	36	-	7	1	19	1/2	-	-	315	242	-	-	
4225	-	100	50	14822	-	-	-	-	-	-	313G	370J	-	-	20 3/4X3
4226	-	100	36	14822	-	-	-	-	-	-	26.5K	26.5K	-	-	
4227	16X5-1/28X	201	36	-	4	1/4	16	3/4	-	-	397A	328A	-	-	
4228	-	100	36	16831	-	-	-	-	-	-	364C	205I	-	-	1
4229	-	100	50	16WF36	-	-	-	-	-	-	171A	208I	-	-	39 3/4X3D
4230	-	100	50	16WF36	-	-	-	-	-	-	208I	26.5K	-	-	39 3/4X3D
4231	-	100	50	16WF36	-	-	-	-	-	-	26.5K	26.5K	-	-	8 3/4X3
4232	-	100	36	16826	-	-	-	-	-	-	203B	106K	-	-	8 3/4X3
4233	-	100	50	16WF36	-	-	-	-	-	-	26.5K	26.5K	-	-	8 3/4X3

REMARKS

1 DETAIL 521 RIGHT END OF BEAM



SKILLING-HELLE-CHRISTIANSEN-ROBERTSON

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PROJECT THE WORLD TRADE CENTER					TITLE BEAM SCHEDULE TOWERS A AND B						DATE 2/12/68				
BEAM NO.	SIZE	TYPE	FY	SHAPE	PLATE 1		PLATE 2		DIMENSIONS		SUPPORTS		STUDS		REMARKS
					WIDTH	THICK	WIDTH	THICK	LENGTH	DIM. A	LEFT	RIGHT	NO.	SIZE	
4234	-	100	50	16WF36	-	-	-	-	-	-	26.5K	208I	39	3/4X30	
4235	-	100	50	16WF36	-	-	-	-	-	-	208I	171A	39	3/4X3K	
4236	-	100	36	16WF40	-	-	-	-	-	-	208H	287G	39	3/4X3	
4237	-	100	50	12B16.5	-	-	-	-	-	-	26.5K	26.5K	18	3/4X3	
4238	-	100	50	12B16.5	-	-	-	-	-	-	26.5K	26.5K	26	3/4X3	
4239	-	100	50	16WF36	-	-	-	-	-	-	208I	26.5K	12	3/4X3C	
4240	-	100	50	12B16.5	-	-	-	-	-	-	26.5K	26.5K	15	3/4X3	
4241	-	100	50	16WF36	-	-	-	-	-	-	111M	179A	15	3/4X3C	
4242	-	100	50	16B26	-	-	-	-	-	-	203B	26.5K	20	3/4X3	
4243	-	100	50	16B26	-	-	-	-	-	-	105L	26.5K	20	3/4X3	
4244	-	100	50	16WF36	-	-	-	-	-	-	111M	26.5K	12	3/4X3C	
4245	-	100	50	12B16.5	-	-	-	-	-	-	26.5K	26.5K	15	3/4X3	
4246	-	100	50	12B16.5	-	-	-	-	-	-	26.5K	26.5K	15	3/4X3	
4247	-	100	50	16WF36	-	-	-	-	-	-	208I	26.5K	12	3/4X3C	
4248	-	100	50	12B16.5	-	-	-	-	-	-	26.5K	26.5K	15	3/4X3	
4249	-	100	36	14B22	-	-	-	-	-	-	26.5K	26.5K	-	-	
4250	-	100	36	16B31	-	-	-	-	-	-	201F	111U	12	3/4X3	
4251	-	100	36	14B22	-	-	-	-	-	-	26.5K	26.5K	-	-	
4252	-	100	36	16B31	-	-	-	-	-	-	201F	111U	12	3/4X3	
4253	-	100	36	14B22	-	-	-	-	-	-	179A	26.5K	-	-	
4254	-	100	50	14B22	-	-	-	-	-	-	313G	370J	20	3/4X3	
4255	-	100	36	14B22	-	-	-	-	-	-	26.5K	26.5K	-	-	
4256	-	100	36	16B31	-	-	-	-	-	-	201F	111U	12	3/4X3	
4257	-	100	36	14B22	-	-	-	-	-	-	26.5K	26.5K	-	-	
4258	-	100	36	16B31	-	-	-	-	-	-	201F	111U	12	3/4X3	
4259	-	100	36	14B22	-	-	-	-	-	-	26.5K	26.5K	-	-	
4260	16X5-1/28	402	36	16B31	4	3/8	-	-	18FT 0	-	26.5K	26.5K	-	-	
4261	16X5-1/28	402	36	16B31	4	3/8	-	-	18FT 0	-	26.5K	26.5K	-	-	
4262	16X5-1/28	402	36	16B31	4	3/8	-	-	18FT 0	-	26.5K	26.5K	-	-	
4263	16X5-1/28	402	36	16B31	4	3/8	-	-	18FT 0	-	26.5K	26.5K	-	-	
4264	16X5-1/28	402	36	16B31	4	3/8	-	-	18FT 0	-	26.5K	26.5K	-	-	
4265	16X5-1/28	402	36	16B31	4	3/8	-	-	18FT 0	-	26.5K	26.5K	-	-	
4266	16X7 WF	402	36	16WF40	4	3/8	-	-	18FT 0	-	172A	204A	39	3/4X3	

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REVISIONS

BEAM NO.	SIZE	TYPE	FY	SHAPE	PLATE 1		PLATE 2		DIMENSIONS		SUPPORTS		STUDS		REMARKS
					WIDTH	THICK	WIDTH	THICK	LENGTH	DIM. A	LEFT	RIGHT	NO.	SIZE	
4267	16X7 WF	402	36	16WF40	4	3/8	-	-	12FT 0	-	401A	401A	39	3/4X3	
4268	16X7 WF	402	36	16WF40	4	3/8	-	-	18FT 0	-	204A	204A	49	3/4X3	
4269	16X7 WF	402	36	16WF40	4	3/8	-	-	18FT 0	-	204B	204A	49	3/4X3	
4270	16X7 WF	402	36	16WF40	4	3/8	-	-	12FT 0	-	401A	401A	39	3/4X3	
4271	16X7 WF	402	36	16WF40	4	3/8	-	-	18FT 0	-	204A	172A	39	3/4X3	
4272	16X 5-1/2BX	200	36	-	4	3/8	16	3/4	-	-	206	26.5K	-	-	X
4273	-	100	50	14B22	-	-	-	-	-	-	235C	335B	34	3/4X3	
4274	-	600	36	68X15.4	-	-	-	-	-	-	451	384A	-	-	3
4275	-	600	36	68X15.4	-	-	-	-	-	-	384A	491	-	-	3
4276	-	600	36	68X15.4	-	-	-	-	-	-	451	498	-	-	3
4277	-	600	36	68X15.4	-	-	-	-	-	-	451	386A	-	-	3
4278	-	600	36	68X15.4	-	-	-	-	-	-	520	518	-	-	3,4
4279	-	600	36	68X15.4	-	-	-	-	-	-	499	499	-	-	3
4280	-	600	36	68X15.4	-	-	-	-	-	-	499	387A	-	-	3
4281	-	100	36	12CH20.7	-	-	-	-	-	-	26.5K	26.5K	-	-	
4282	-	100	50	12B16.5	-	-	-	-	-	-	175A	26.5K	8	3/4X3	
4283	-	100	36	8B13	-	-	-	-	-	-	111N	105C	-	-	
4284	-	100	36	12B16.5	-	-	-	-	-	-	111K	111K	8	3/4X3	
4285	-	100	50	14B22	-	-	-	-	-	-	26.5K	26.5K	34	3/4X3	
4286	-	100	36	12B19	-	-	-	-	-	-	111H	26.5K	-	-	
4287	-	100	50	14B22	-	-	-	-	-	-	26.5K	26.5K	34	3/4X3	
4288	-	100	36	14B22	-	-	-	-	-	-	283H	26.5K	-	-	
4289	-	100	50	14B26	-	-	-	-	-	-	208B	335E	19	3/4X3	
4290	-	100	36	16B31	-	-	-	-	-	-	217B	335E	19	3/4X3	
4291	-	100	36	14B22	-	-	-	-	-	-	283H	170C	18	3/4X3	
4292	-	100	50	14B22	-	-	-	-	-	-	26.5K	26.5K	19	3/4X3	
4293	-	100	36	12B19	-	-	-	-	-	-	111H	26.5K	-	-	
4294	-	100	50	14B22	-	-	-	-	-	-	26.5K	26.5K	19	3/4X3	
4295	-	100	36	16WF50	-	-	-	-	-	-	8120	205H	-	-	
4296	-	100	36	16WF50	-	-	-	-	-	-	401C	401C	-	-	
4297	-	100	36	16WF50	-	-	-	-	-	-	810A	335E	-	-	1
4298	-	100	36	16WF60	-	-	-	-	-	-	335E	810A	-	-	2
4299	-	100	36	16WF50	-	-	-	-	-	-	401C	401C	-	-	

REMARKS

1. DETAIL 405 RIGHT END OF BEAM
2. DETAIL 405 LEFT END OF BEAM
3. STANDARD STRUCTURAL TUBING 6X4X1/4
4. DETAIL 389 FOR BOTH INTERMEDIATE SUPPORTS

SKILLING-HELLE-CHRISTIANSEN-ROBERTSON

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THE WORLD TRADE CENTER

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BEAM SCHEDULE TOWERS A AND B

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REVISIONS

BEAM NO.	SIZE	TYPE	FY	SHAPE	PLATE 1		PLATE 2		DIMENSIONS		SUPPORTS		STUDS		REMARKS
					WIDTH	THICK	WIDTH	THICK	LENGTH	DIM. A	LEFT	RIGHT	NO.	SIZE	
4300	-	100	36	16WF50	-	-	-	-	-	-	205H	812C	-	-	
4301	-	100	36	8B13	-	-	-	-	-	-	17.7K	17.7K	12	3/4X3	
4302	16X4 BX	200	36	-	2-1/2	3/8	16	3/4	-	-	247F	294B	-	-	
4303	-	100	36	8B13	-	-	-	-	-	-	17.4K	17.4K	12	3/4X3	
4304	16X4 BX	200	36	-	2-1/2	3/8	16	3/4	-	-	372A	282A	-	-	
4305	-	100	36	16B26	-	-	-	-	-	-	26.5K	208B	10	3/4X3	
4306	-	100	36	16B26	-	-	-	-	-	-	111K	111K	8	3/4X3	
4307	-	100	36	16B26	-	-	-	-	-	-	283M	337B	8	3/4X3B	
4308	-	100	36	8B13	-	-	-	-	-	-	17.4K	17.4K	12	3/4X3	
4309	16X4 BX	200	36	-	2-1/2	3/8	16	3/4	-	-	247F	294B	-	-	
4310	-	100	36	8B13	-	-	-	-	-	-	17.4K	17.4K	12	3/4X3	
4311	-	404	36	16WF50	-	-	-	-	-	-	338F	294B	26	3/4X3	
4312	-	404	36	16WF50	-	-	-	-	-	-	294B	282A	26	3/4X3	
4313	-	404	36	16WF50	-	-	-	-	-	-	337B	294B	26	3/4X3	
4314	-	404	36	16WF50	-	-	-	-	-	-	294B	338F	26	3/4X3	
4315	-	100	36	16B26	-	-	-	-	-	-	208B	217B	8	3/4X3	
4316	-	100	50	12B16.5	-	-	-	-	-	-	26.5K	26.5K	15	3/4X3	
4317	-	100	50	12B16.5	-	-	-	-	-	-	26.5K	26.5K	15	3/4X3	
4318	-	100	50	16B26	-	-	-	-	-	-	26.5K	26.5K	16	3/4X3B	
4319	-	100	50	16B26	-	-	-	-	-	-	26.5K	26.5K	15	3/4X3B	
4320	-	100	50	16B26	-	-	-	-	-	-	26.5K	26.5K	15	3/4X3	
4321	-	100	50	16B26	-	-	-	-	-	-	335E	26.5K	15	3/4X3	
4322	-	100	50	16B26	-	-	-	-	-	-	812G	26.5K	15	3/4X3	
4323	-	100	50	16B26	-	-	-	-	-	-	26.5K	26.5K	15	3/4X3	
4324	-	100	50	16B26	-	-	-	-	-	-	26.5K	26.5K	40	3/4X3	
4325	-	100	50	16B26	-	-	-	-	-	-	26.5K	26.5K	18	3/4X3B	
4326	-	100	50	16WF40	-	-	-	-	-	-	220I	279A	47	3/4X3	
4327	-	100	50	16WF40	-	-	-	-	-	-	279A	279A	47	3/4X3	
4328	-	100	50	16WF40	-	-	-	-	-	-	279A	279A	47	3/4X3	
4329	-	100	36	16WF36	-	-	-	-	-	-	279A	279A	8	3/4X3	
4330	-	100	50	16WF40	-	-	-	-	-	-	279A	279A	47	3/4X3	
4331	-	100	50	16WF40	-	-	-	-	-	-	279A	220I	47	3/4X3	
4332	-	100	50	21WF55	-	-	-	-	-	-	35.3K	279A	15	3/4X3B	
4333	-	100	50	21WF55	-	-	-	-	-	-	170F	279A	15	3/4X3B	



SKILLING-HELLE-CHRISTIANSEN-ROBERTSON

Civil & Structural Engineers

PROJECT

THE WORLD TRADE CENTER

TITLE

BEAM SCHEDULE TOWERS A AND B

DATE

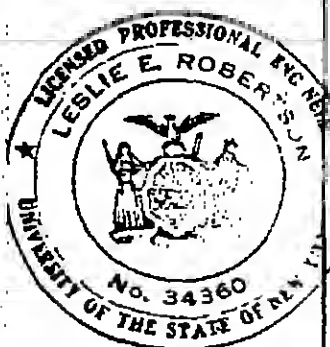
3/13/68

REVISIONS

BEAM NO.	SIZE	TYPE	FY	SHAPE	PLATE 1		PLATE 2		DIMENSIONS		SUPPORTS		STUDS		REMARKS
					WIDTH	THICK	WIDTH	THICK	LENGTH	DIM. A	LEFT	RIGHT	NO.	SIZE	
4334	-	100	50	21WF55	-	-	-	-	-	-	307H	279A	15	3/4X3	
4335	-	100	50	21WF55	-	-	-	-	-	-	35.3K	279A	84	3/4X3	
4336	-	100	50	21WF55	-	-	-	-	-	-	35.3K	279A	84	3/4X3	
4337	-	100	36	16WF45	-	-	-	-	-	-	201	105	-	-	
4338	-	100	50	14B22	-	-	-	-	-	-	335B	235C	34	3/4X3	
4339	-	100	50	14B22	-	-	-	-	-	-	335B	235C	34	3/4X3	
4340	-	100	36	12B16.5	-	-	-	-	-	-	26.5K	26.5K	-	-	
4341	-	100	36	12WF45	-	-	-	-	-	-	213	201	-	-	
4342	-	100	36	12B19	-	-	-	-	-	-	503	213	-	-	
4343	-	100	36	16B31	-	-	-	-	-	-	254B	335B	-	-	3
4344	-	100	36	16B31	-	-	-	-	-	-	335B	254B	-	-	4
4345	-	100	36	12B19	-	-	-	-	-	-	505	17.4K	-	-	
4346	-	100	36	12B19	-	-	-	-	-	-	503	336	-	-	
4347	-	100	36	16WF58	-	-	-	-	-	-	463B	463A	14	3/4X3	
4348	-	100	36	16WF50	-	-	-	-	-	-	812E	205H	-	-	
4349	-	100	36	16WF50	-	-	-	-	-	-	401C	401C	-	-	
4350	-	100	36	16WF50	-	-	-	-	-	-	-	335E	-	-	1,7
4351	-	100	36	16WF50	-	-	-	-	-	-	307H	-	-	-	2,8
4352	-	100	36	16WF50	-	-	-	-	-	-	401C	401C	-	-	
4353	-	100	36	16WF50	-	-	-	-	-	-	205H	812C	-	-	
4354	-	100	36	24I79.9	-	-	-	-	-	-	202C	812E	-	-	
4355	-	100	36	16WF58	-	-	-	-	-	-	463A	463B	14	3/4X3	
4356	-	100	36	24I79.9	-	-	-	-	-	-	234B	812D	-	-	
4357	-	100	36	24I79.9	-	-	-	-	-	-	812D	202C	-	-	
4358	-	100	36	24WF76	-	-	-	-	-	-	370H	812C	44	3/4X3	
4359	-	100	36	12B16.5	-	-	-	-	-	-	17.4K	505	-	-	
4360	-	100	36	12B16.5	-	-	-	-	-	-	17.4K	17.4K	-	-	
4361	-	100	36	24WF76	-	-	-	-	-	-	812C	370H	44	3/4X3	
4362	-	409	36	24WF84	-	-	-	-	-	1FT 5	271A	261A	48	3/4X3	
4363	-	100	36	24WF94	-	-	-	-	-	-	449A	430A	30	3/4X3	
4364	24X9WF	409	36	24WF94	7-	1/2	-	-	-	1FT 5	261A	272A	65	3/4X3	6
4365	-	100	36	24WF76	-	-	-	-	-	-	272A	272A	18	3/4X3	
4366	-	409	36	24WF84	-	-	-	-	-	-	272A	261A	48	3/4X3	

REMARKS

- 1 DETAIL 402 RIGHT END OF BEAM
- 2 DETAIL 405 LEFT END OF BEAM
- 3 DETAIL 403 RIGHT END OF BEAM
- 4 DETAIL 406 LEFT END OF BEAM
- 5 SEE BEAM TYPE 402 5-AB2-11 FOR SCHEDULED PLATE 1
- 7 SEE 6-AB5-2, FOR LEFT CONN. DET.
- 8 SEE 6-AB5-4, FOR RIGHT CONN. DET.



SKILLING-HELLE-CHRISTIANSEN-ROBERTSON

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BEAM NO.	SIZE	TYPE	FY	SHAPE	PLATE 1		PLATE 2		DIMENSIONS		SUPPORTS		STUDS		REMARKS
					WIDTH	THICK	WIDTH	THICK	LENGTH	DIM. A	LEFT	RIGHT	NO.	SIZE	
4367	-	100	36	27WF84	-	-	-	-	-	-	430A	430A	30	3/4X3	
4368	-	409	36	27WF84	-	-	-	-	-	1FT 5	261A	271A	48	3/4X3	
4369	-	409	36	27WF84	-	-	-	-	-	1FT 5	271A	261A	48	3/4X3	
4370	-	100	36	27WF84	-	-	-	-	-	-	430A	430A	30	3/4X3	
4371	-	434	36	27WF84	-	-	-	-	-	-	261A	272A	48	3/4X3	
4372	-	100	36	24WF76	-	-	-	-	-	-	272A	272A	18	3/4X3	
4373	-	409	36	24WF94	-	-	-	-	-	1FT 5	272A	261A	48	3/4X3	
4374	-	100	36	27WF84	-	-	-	-	-	-	449A	430A	30	3/4X3	
4375	-	409	36	27WF84	-	-	-	-	-	1FT 5	261A	271A	48	3/4X3	
4376	-	100	36	12B19	-	-	-	-	-	-	26.5K	26.5K	-	-	
4377	16X5-1/2BX	200	36	-	4	3/8	16	3/4	-	-	26.5K	26.5K	-	-	
4378	16X5-1/2BX	200	36	-	4	3/8	16	3/4	-	-	206A	254A	-	-	
4379	-	100	36	14B22	-	-	-	-	-	-	301A	303A	-	-	
4380	-	100	36	12WF31	-	-	-	-	-	-	516	26.5K	-	-	
4381	-	100	36	12B19	-	-	-	-	-	-	105A	26.5K	-	-	
4382	-	100	50	16WF78	-	-	-	-	-	-	814B	378C	20	3/4X3	
4383	-	100	36	12B16.5	-	-	-	-	-	-	175A	26.5K	-	-	
4384	-	100	36	14B22	-	-	-	-	-	-	283I	26.5K	-	-	
4385	-	100	36	16B26	-	-	-	-	-	-	280A	301A	-	-	
4386	-	100	36	12CH20.7	-	-	-	-	-	-	26.5K	26.5K	-	-	
4387	-	100	36	16B26	-	-	-	-	-	-	357B	301A	-	-	
4388	-	100	36	14B22	-	-	-	-	-	-	283I	170C	18	3/4X3	
4389	-	100	50	16WF78	-	-	-	-	-	-	378C	814B	20	3/4X3	
4390	-	458	50	16WF78	-	-	-	-	-	-	814B	378C	20	3/4X3	
4391	16X8 BX	220	90	-	7-1/4	1- 1/4	16	3/8	-	-	380C	889A	20	3/4X3	
4392	-	100	36	8B13	-	-	-	-	-	-	17.4K	17.4K	-	-	
4393	-	100	50	16WF78	-	-	-	-	-	-	814B	378C	20	3/4X3	
4394	-	100	36	12B22	-	-	-	-	-	-	283I	386A	-	-	
4395	-	100	36	8B13	-	-	-	-	-	-	111H	105H	-	-	
4396	-	100	36	14B22	-	-	-	-	-	-	516	280A	-	-	
4397	-	100	50	16WF78	-	-	-	-	-	-	378C	814B	20	3/4X3	
4398	16X8 BX	220	50	-	7-1/4	1- 1/4	16	3/8	-	-	889A	380C	20	3/4X3	
4399	-	100	36	16B31	-	-	-	-	-	-	220I	364C	-	-	



SKILLING-HELLE-CHRISTIANSEN-ROBERTSON

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PROJECT

THE WORLD TRADE CENTER

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BEAM SCHEDULE TOWERS A AND B

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REVISIONS

BEAM NO.	SIZE	TYPE	FY	SHAPE	PLATE 1		PLATE 2		DIMENSIONS		SUPPORTS		STUDS		REMARKS
					WIDTH	THICK	WIDTH	THICK	LENGTH	DIM. A	LEFT	RIGHT	NO.	SIZE	
4400	-	100	36	16B31	-	-	-	-	-	-	364C	364C	-	-	
4401	-	100	36	16B31	-	-	-	-	-	-	364C	220I	-	-	
4402	-	100	36	16B31	-	-	-	-	-	-	220I	364C	-	-	
4403	-	100	36	16B31	-	-	-	-	-	-	364C	364C	-	-	
4404	-	100	36	16B31	-	-	-	-	-	-	364C	220I	-	-	
4405	-	600	36	68X15.4	-	-	-	-	-	-	387A	451	-	-	2
4406	-	100	36	16WF58	-	-	-	-	-	-	463A	463A	14	3/4X3	
4407	-	100	36	16WF58	-	-	-	-	-	-	463A	463B	28	3/4X3	
4408	-	100	36	16B26	-	-	-	-	-	-	418A	418A	-	-	
4409	-	100	36	8B13	-	-	-	-	-	-	111H	105H	-	-	
4410	-	100	36	16B26	-	-	-	-	-	-	418A	418A	-	-	
4411	-	100	36	8B13	-	-	-	-	-	-	214A	111H	-	-	
4412	16X4 BX	200	36	-	2-1/2	3/8	16	3/4	-	-	296A	385A	-	-	
4413	-	100	36	16B26	-	-	-	-	-	-	418A	508	-	-	
4414	-	100	36	16B26	-	-	-	-	-	-	201E	283I	40	3/4X3	
4415	-	100	36	12B16.5	-	-	-	-	-	-	26.5K	26.5K	-	-	
4416	-	100	36	16B26	-	-	-	-	-	-	418B	26.5K	-	-	3
4417	-	100	36	12B19	-	-	-	-	-	-	503A	503A	-	-	
4418	-	100	36	12B19	-	-	-	-	-	-	26.5K	26.5K	-	-	
4419	-	100	36	16B26	-	-	-	-	-	-	418A	509A	-	-	
4420	-	100	36	16B26	-	-	-	-	-	-	497	418A	-	-	
4421	-	100	36	16B26	-	-	-	-	-	-	418A	508	-	-	
4422	-	100	36	16B26	-	-	-	-	-	-	509A	509A	-	-	
4423	-	100	36	10WF21	-	-	-	-	-	-	350C	17.4K	-	-	4
4424	-	100	36	10WF21	-	-	-	-	-	-	111H	17.4K	-	-	
4425	-	100	36	16B26	-	-	-	-	-	-	508	418A	-	-	
4426	-	100	36	16B26	-	-	-	-	-	-	418A	497	-	-	
4427	-	100	36	16B26	-	-	-	-	-	-	509A	418A	-	-	
4428	-	100	36	10WF21	-	-	-	-	-	-	17.7K	509A	-	-	
4429	-	100	36	12B19	-	-	-	-	-	-	26.5K	503A	-	-	
4430	-	100	50	16WF78	-	-	-	-	-	-	378C	814B	20	3/4X3	
4431	-	600	36	68X15.4	-	-	-	-	-	-	388A	516	-	-	2
4432	-	600	36	68X15.4	-	-	-	-	-	-	516	516	-	-	1,2
4433	-	600	36	68X15.4	-	-	-	-	-	-	388A	516	-	-	1,2

REMARKS

- 1 DETAIL 389 CENTER SUPPORT OF BEAM
- 2 STANDARD STRUCTURAL TUBING 6X4X1/4
- 3 DETAIL 512 INTERMEDIATE SUPPORT OF BEAM
- 4 DETAIL 350D, LEFT SUPPORT, TOWER B ONLY
- * HOLD



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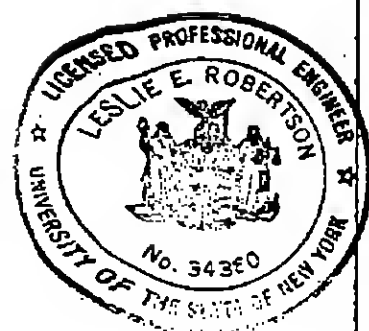
REVISIONS

BEAM NO.	SIZE	TYPE	FY	SHAPE	PLATE 1		PLATE 2		DIMENSIONS		SUPPORTS		STUDS		REMARKS
					WIDTH	THICK	WIDTH	THICK	LENGTH	DIM. A	LEFT	RIGHT	NO.	SIZE	
* 4434	-	100	36	16WF36	-	-	-	-	-	-	26.5K	26.5K	-	-	
4435	-	100	36	16B26	-	-	-	-	-	-	508	418A	-	-	
* 4436	-	100	36	16WF40	-	-	-	-	-	-	26.5K	26.5K	-	-	
4437	-	100	36	10WF21	-	-	-	-	-	-	350D	350D	-	-	
4438	16X5-1/28X	200	36	-	4	3/8	16	3/4	-	-	254A	206A	-	-	
4439	-	303A	370D	-	-	-	-	-	-	-	100	36	14B22	-	- X
4440	-	100	36	12B16.5	-	-	-	-	-	-	26.5K	26.5K	-	-	
4441	-	100	36	14B22	-	-	-	-	-	-	303A	370D	-	-	
4442	-	100	36	14B22	-	-	-	-	-	-	26.5K	26.5K	-	-	
4443	-	100	36	16B31	-	-	-	-	-	-	220I	364C	-	-	
4444	-	100	36	16B31	-	-	-	-	-	-	364C	364C	-	-	
4445	-	100	36	16B31	-	-	-	-	-	-	364C	220I	-	-	
4446	-	100	36	16B31	-	-	-	-	-	-	220I	364C	-	-	
4447	-	100	36	16B31	-	-	-	-	-	-	364C	364C	-	-	
4448	-	100	36	16B31	-	-	-	-	-	-	364C	220I	-	-	
4449	-	600	36	6BX15.4	-	-	-	-	-	-	451	385A	-	-	
4450	-	100	36	10WF21	-	-	-	-	-	-	350C	503A	-	-	
4451	-	100	36	10WF25	-	-	-	-	-	-	350C	350C	-	-	
4452	-	100	36	10WF21	-	-	-	-	-	-	350C	350C	-	-	
4453	-	100	36	10WF21	-	-	-	-	-	-	370D	350C	-	-	
* 4454	-	100	36	24WF76	-	-	-	-	-	-	35.3K	35.3K	-	-	
* 4455	-	100	36	24WF76	-	-	-	-	-	-	35.3K	35.3K	-	-	
* 4456	-	100	36	21WF62	-	-	-	-	-	-	35.3K	35.3K	-	-	
4457	-	100	36	16B31	-	-	-	-	-	-	220G	254A	-	-	
4458	-	100	36	16B31	-	-	-	-	-	-	254A	254A	-	-	
4459	-	100	36	16B31	-	-	-	-	-	-	254A	303A	-	-	
4460	-	100	36	16B31	-	-	-	-	-	-	303A	254A	-	-	
4461	-	100	36	16B31	-	-	-	-	-	-	254A	254A	-	-	
4462	-	100	36	16B31	-	-	-	-	-	-	254A	220G	-	-	
4463	-	600	50	6BX15.4	-	-	-	-	-	-	385A	451	-	-	1
4464	-	100	36	27WF84	-	-	-	-	-	-	378	814	-	-	
4465	-	100	36	16B31	-	-	-	-	-	-	254A	303A	-	-	
4466	-	100	36	16B31	-	-	-	-	-	-	303A	254A	-	-	

REMARKS

- 1 STANDARD STRUCTURAL TUBING 6X4X1/4
- 2 DETAIL 350E, LEFT SUPPORT, TOWER B ONLY
- 3 DETAIL 350D, LEFT SUPPORT AND DETAIL 350E
RIGHT SUPPORT, TOWER B ONLY
- 4 DETAIL 350F, LEFT SUPPORT AND DETAIL 350D,
RIGHT SUPPORT, TOWER B ONLY
- 5 DETAIL 350D, LEFT AND RIGHT SUPPORT
TOWER B ONLY

* HOLD



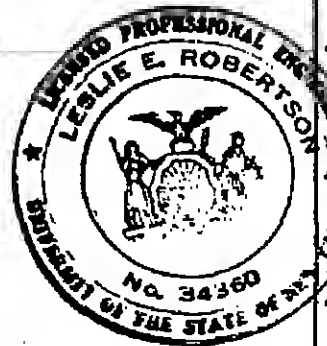
SKILLING-HELLE-CHRISTIANSEN-ROBERTSON

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PROJECT		THE WORLD TRADE CENTER			TITLE		BEAM SCHEDULE TOWERS A AND B					DATE		1/22/68	
BEAM NO.	SIZE	TYPE	FY	SHAPE	PLATE 1		PLATE 2		DIMENSIONS		SUPPORTS		STUDS		REMARKS
					WIDTH	THICK	WIDTH	THICK	LENGTH	DIM. A	LEFT	RIGHT	NO.	SIZE	
4467	-	100	36	27WF84	-	-	-	-	-	-	44.2K	44.2K	-	-	
4468	-	100	36	21WF62	-	-	-	-	-	-	35.3K	35.3K	-	-	
4469	-	600	36	68X15.4	-	-	-	-	-	-	451	386A	-	-	1
4470	-	100	36	17B16.5	-	-	-	-	-	-	26.5K	26.5K	-	-	
4471	-	100	50	16WF36	-	-	-	-	-	-	106	106	(47)	3/4X3	
4472	-	100	50	16WF36	-	-	-	-	-	-	106	106	(47)	3/4X3	X
4473	-	100	36	12WF27	-	-	-	-	-	-	26.5K	26.5K	-	-	
4474	-	100	36	12WF27	-	-	-	-	-	-	26.5K	26.5K	-	-	
4475	-	100	36	10WF21	-	-	-	-	-	-	17.4K	17.4K	-	-	
4476	-	100	36	12WF27	-	-	-	-	-	-	17.4K	283A	-	-	
4477	-	100	36	10WF25	-	-	-	-	-	-	506A	506B	24	3/4X3	
4478	-	100	36	10WF25	-	-	-	-	-	-	506B	506A	24	3/4X3	
4479	-	100	36	10WF25	-	-	-	-	-	-	17.4K	17.4K	24	3/4X3	
4480	-	100	36	12WF27	-	-	-	-	-	-	283A	17.4K	-	-	
4481	-	100	36	30WF108	-	-	-	-	-	-	230	201	-	-	
4482	-	100	36	21WF62	-	-	-	-	-	-	201	105	-	-	
4483	-	100	36	21WF62	-	-	-	-	-	-	105	105	-	-	
4484	-	100	36	21WF62	-	-	-	-	-	-	105	201	-	-	
4485	-	100	36	30WF108	-	-	-	-	-	-	201	230	-	-	
4486	-	100	36	30WF108	-	-	-	-	-	-	230	201	-	-	
4487	-	100	36	21WF62	-	-	-	-	-	-	201	105	-	-	
4488	-	100	36	21WF62	-	-	-	-	-	-	105	105	-	-	
4489	-	100	36	21WF62	-	-	-	-	-	-	105	201	-	-	
4490	-	100	36	30WF108	-	-	-	-	-	-	201	230	-	-	
4491	-	100	36	27WF84	-	-	-	-	-	-	230	314	-	-	
4492	-	100	36	27WF84	-	-	-	-	-	-	314	314	-	-	
4493	-	100	36	30WF108	-	-	-	-	-	-	314	106	-	-	
4494	-	100	36	30WF108	-	-	-	-	-	-	269	216	-	-	
4495	-	100	36	30WF108	-	-	-	-	-	-	106	314	-	-	
4496	-	100	36	27WF84	-	-	-	-	-	-	314	314	-	-	
4497	-	100	36	27WF84	-	-	-	-	-	-	314	230	-	-	
4498	-	100	36	27WF84	-	-	-	-	-	-	230	314	-	-	
4499	-	100	36	27WF84	-	-	-	-	-	-	314	314	-	-	

REMARKS

1 STANDARD STRUCTURAL TUBING 6X4X1/4



SKILLING-HELLE-CHRISTIANSEN-ROBERTSON

Civil & Structural Engineers

PROJECT

THE WORLD TRADE CENTER

TITLE

BEAM SCHEDULE TOWERS A AND B

DATE

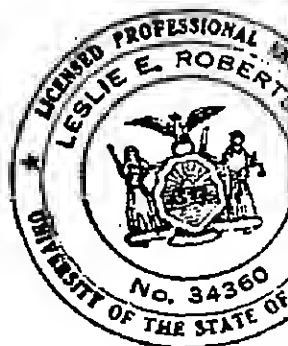
11/17/67

REVISIONS

BEAM ND.	SIZE	TYPE	FY	SHAPE	PLATE 1		PLATE 2		DIMENSIONS		SUPPORTS		STUDS		REMARKS
					WIDTH	THICK	WIDTH	THICK	LENGTH	DIM. A	LEFT	RIGHT	NO.	SIZE	
4500	-	100	36	30WF108	-	-	-	-	-	-	314	106	-	-	
4501	-	100	36	30WF108	-	-	-	-	-	-	289	216	-	-	
4502	-	100	36	30WF108	-	-	-	-	-	-	106	314	-	-	
4503	-	100	36	27WF84	-	-	-	-	-	-	314	314	-	-	
4504	-	100	36	27WF84	-	-	-	-	-	-	314	230	-	-	
4505	-	100	36	33WF118	-	-	-	-	-	-	230	201	-	-	
4506	-	100	36	21WF62	-	-	-	-	-	-	105	201	-	-	
4507	-	100	36	21WF62	-	-	-	-	-	-	105	105	-	-	
4508	-	100	36	21WF62	-	-	-	-	-	-	201	105	-	-	
4509	-	100	36	33WF118	-	-	-	-	-	-	201	230	-	-	
4510	-	100	36	33WF118	-	-	-	-	-	-	230	201	-	-	
4511	-	100	36	21WF62	-	-	-	-	-	-	105	201	-	-	
4512	-	100	36	21WF62	-	-	-	-	-	-	105	105	-	-	
4513	-	100	36	21WF62	-	-	-	-	-	-	201	105	-	-	
4514	-	100	36	33WF118	-	-	-	-	-	-	201	230	-	-	
4515	-	100	36	27WF84	-	-	-	-	-	-	230	106	-	-	
4516	-	100	36	27WF84	-	-	-	-	-	-	106	106	-	-	
4517	-	100	36	30WF108	-	-	-	-	-	-	295	44.2K	-	-	
4518	-	100	36	30WF108	-	-	-	-	-	-	216	216	-	-	
4519	-	100	36	30WF108	-	-	-	-	-	-	269	295	-	-	
4520	-	100	36	27WF84	-	-	-	-	-	-	106	106	-	-	
4521	-	100	36	27WF84	-	-	-	-	-	-	106	230	-	-	
4522	-	100	36	27WF84	-	-	-	-	-	-	230	106	-	-	
4523	-	100	36	27WF84	-	-	-	-	-	-	295	292	-	-	
4524	-	100	36	30WF108	-	-	-	-	-	-	292	44.2K	-	-	
4525	-	100	36	8813	-	-	-	-	-	-	17.4K	17.4K	-	-	
4526	-	100	36	30WF108	-	-	-	-	-	-	269	216	-	-	
4527	-	100	36	27WF84	-	-	-	-	-	-	354	106	-	-	
4528	-	100	36	27WF84	-	-	-	-	-	-	106	230	-	-	
4529	-	600	36	68X15.4	-	-	-	-	-	-	451	387A	-	-	
4530	16X5-1/2BX	201	36	-	4	3/8	16	3/4	-	-	254A	247G	-	-	
4531	-	100	36	10WF21	-	-	-	-	-	-	17.4K	17.4K	-	-	
4532	-	100	36	10WF25	-	-	-	-	-	-	17.4K	17.4K	-	-	
4533	-	100	36	10WF21	-	-	-	-	-	-	511	201	-	-	

REMARKS

1 STANDARD STRUCTURAL TUBING 6X4X1/4



SKILLING-HELLE-CHRISTIANSEN-ROBERTSON

Civil & Structural Engineers

PROJECT

THE WORLD TRADE CENTER

TITLE

BEAM SCHEDULE TOWERS A AND B

DATE

7/17/68

REVISIONS

BEAM NO.	SIZE	TYPE	FY	SHAPE	PLATE 1		PLATE 2		DIMENSIONS		SUPPORTS		STUDS		REMARKS
					WIDTH	THICK	WIDTH	THICK	LENGTH	DIM. A	LEFT	RIGHT	NO.	SIZE	
4534	-	100	36	10WF25	-	-	-	-	-	-	26.5K	26.5K	-	-	
4535	-	100	36	10WF25	-	-	-	-	-	-	102	505	-	-	
4536	-	100	36	10WF25	-	-	-	-	-	-	505	505	-	-	
4537	-	100	36	12WF31	-	-	-	-	-	-	102	102	-	-	
4538	-	100	36	10WF21	-	-	-	-	-	-	101	101	-	-	
4539	-	100	36	33WF118	-	-	-	-	-	-	230	201	-	-	X
4540	-	100	36	21WF55	-	-	-	-	-	-	201	201	-	-	
4541	-	100	36	21WF55	-	-	-	-	-	-	201	201	-	-	
4542	-	100	36	21WF55	-	-	-	-	-	-	201	105	-	-	
4543	-	100	36	33WF118	-	-	-	-	-	-	201	230	-	-	
4544	-	100	36	33WF118	-	-	-	-	-	-	230	201	-	-	
4545	-	100	36	21WF55	-	-	-	-	-	-	201	201	-	-	
4546	-	100	36	21WF55	-	-	-	-	-	-	201	201	-	-	
4547	-	100	36	21WF55	-	-	-	-	-	-	201	201	-	-	
4548	-	100	36	33WF118	-	-	-	-	-	-	201	230	-	-	
4549	-	100	36	24WF76	-	-	-	-	-	-	230	106	-	-	
4550	-	100	36	24WF76	-	-	-	-	-	-	106	106	-	-	
4551	-	100	36	24WF76	-	-	-	-	-	-	295	204	-	-	1
4552	-	100	36	24WF76	-	-	-	-	-	-	204	295	-	-	2
4553	-	100	36	24WF76	-	-	-	-	-	-	106	106	-	-	
4554	-	100	36	24WF76	-	-	-	-	-	-	106	230	-	-	
4555	-	100	36	24WF76	-	-	-	-	-	-	230	106	-	-	
4556	-	100	36	24WF76	-	-	-	-	-	-	295	416	-	-	
4557	-	100	36	24WF76	-	-	-	-	-	-	204	204	-	-	1
4558	-	100	36	24WF76	-	-	-	-	-	-	204	295	-	-	2
4559	-	100	36	24WF76	-	-	-	-	-	-	106	106	-	-	
4560	-	100	36	24WF76	-	-	-	-	-	-	106	230	-	-	
4561	-	100	36	12CN20.7	-	-	-	-	-	-	26.5K	26.5K	-	-	
4562	-	100	36	12B16.5	-	-	-	-	-	-	26.5K	26.5K	-	-	
4563	-	100	36	16B26	-	-	-	-	-	-	26.5K	26.5K	-	-	
4564	-	100	36	14B22	-	-	-	-	-	-	26.5K	26.5K	-	-	
4565	-	100	36	16B31	-	-	-	-	-	-	26.5K	26.5K	-	-	
4566	-	100	36	10WF21	-	-	-	-	-	-	17.4K	350C	-	-	3

REMARKS

- 1 DETAIL 416 RIGHT END OF BEAM
- 2 DETAIL 416 LEFT END OF BEAM
- 3 DETAIL 350D, RIGHT SUPPORT, TOWER B ONLY



SKILLING-HELLE-CHRISTIANSEN-ROBERTSON

Civil & Structural Engineers

PROJECT

THE WORLD TRADE CENTER

TITLE

BEAM SCHEDULE TOWERS A AND E

DATE

1/24/68

REVISIONS

BEAM NO.	SIZE	TYPE	FY	SHAPE	PLATE 1		PLATE 2		DIMENSIONS		SUPPORTS		STUDS		REMARKS
					WIDTH	THICK	WIDTH	THICK	LENGTH	DIM. A	LEFT	RIGHT	NO.	SIZE	
4567	-	100	36	14B22	-	-	-	-	-	-	26.5K	235A	-	-	
4568	-	100	36	12B16.5	-	-	-	-	-	-	111H	26.5K	-	-	
4569	-	100	36	16B31	-	-	-	-	-	-	460B	460A	-	-	
4570	-	100	36	12B16.5	-	-	-	-	-	-	26.5K	26.5K	-	-	
4571	-	100	36	10WF25	-	-	-	-	-	-	505B	17.4K	-	-	
4572	-	100	36	16WF36	-	-	-	-	-	-	395B	306C	10	3/4X3	
4573	-	100	36	16WF40	-	-	-	-	-	-	208H	287G	39	3/4X3D	
4574	-	100	36	14B22	-	-	-	-	-	-	26.5K	26.5K	-	-	
4575	16X5-1/2BX	202	36	-	4	3/8	16	3/4	-	-	254B	247A	-	-	
4576	16X5-1/2BX	202	36	-	4	3/8	16	3/4	-	-	450	450	-	-	
4577	-	100	36	10WF21	-	-	-	-	-	-	17.7K	17.7K	-	-	
4578	16X4	200	36	-	2-1/2	3/8	16	3/4	-	-	372A	282A	-	-	
4579	-	100	36	12B16.5	-	-	-	-	-	-	17.4K	50A	-	-	
4580	-	100	36	12B16.5	-	-	-	-	-	-	50A	36B	-	-	
4581	-	100	36	16B31	-	-	-	-	-	-	270L	294D	-	-	
4582	-	100	36	16B31	-	-	-	-	-	-	294D	294D	-	-	
4583	-	100	36	16B31	-	-	-	-	-	-	294D	463C	-	-	
4584	-	100	36	16B31	-	-	-	-	-	-	463C	294D	-	-	
4585	-	100	36	16B31	-	-	-	-	-	-	294D	294D	-	-	
4586	-	100	36	16B31	-	-	-	-	-	-	294D	220L	-	-	
4587	-	100	36	16B31	-	-	-	-	-	-	463C	463C	-	-	
4588	-	100	36	16B31	-	-	-	-	-	-	26.5K	26.5K	-	-	
4589	-	100	36	16WF58	-	-	-	-	-	-	26.5K	26.5K	-	-	
4590	-	100	36	16WF58	-	-	-	-	-	-	26.5K	26.5K	-	-	
4591	-	100	36	16B31	-	-	-	-	-	-	463C	463C	-	-	
4592	-	100	36	16B31	-	-	-	-	-	-	26.5K	26.5K	-	-	
4593	-	100	36	16B31	-	-	-	-	-	-	463C	463C	-	-	
4594	-	100	36	16B31	-	-	-	-	-	-	26.5K	26.5K	-	-	
4595	-	100	36	16B31	-	-	-	-	-	-	463C	463C	-	-	
4596	-	100	36	16B31	-	-	-	-	-	-	463C	463C	-	-	
4597	-	100	36	16WF36	-	-	-	-	-	-	4198	173A	-	-	
4598	-	100	36	16B31	-	-	-	-	-	-	26.5K	26.5K	-	-	
4599	-	100	36	16B31	-	-	-	-	-	-	466	466	-	-	



SKILLING-HELLE-CHRISTIANSEN-ROBERTSON

Civil & Structural Engineers

PROJECT	TITLE	DATE
THE WORLD TRADE CENTER	BEAM SCHEDULE TOWERS A AND B	1/24/68

REVISIONS

BEAM NO.	SIZE	TYPE	FY	SHAPE	PLATE 1		PLATE 2		DIMENSIONS		SUPPORTS		STUDS		REMARKS
					WIDTH	THICK	WIDTH	THICK	LENGTH	DIM. A	LEFT	RIGHT	NO.	SIZE	
4600	-	100	36	16B31	-	-	-	-	-	-	26.5K	26.5K	-	-	
4601	-	100	36	16B31	-	-	-	-	-	-	26.5K	26.5K	-	-	
4602	-	100	36	12B19	-	-	-	-	-	-	26.5K	508	-	-	
4603	-	100	36	8B13	-	-	-	-	-	-	178	178	-	-	
4604	-	100	36	8B13	-	-	-	-	-	-	178	178	-	-	
4605	-	100	36	8B13	-	-	-	-	-	-	178	178	-	-	1X
4606	-	100	36	8B13	-	-	-	-	-	-	178	178	-	-	
4607	-	100	36	8B13	-	-	-	-	-	-	178	178	-	-	
4608	-	100	36	8CH11.5	-	-	-	-	-	-	17.4K	17.4K	-	-	
4609	-	100	36	8B13	-	-	-	-	-	-	17.4K	17.4K	-	-	
4610	-	100	36	12B16.5	-	-	-	-	-	-	26.5K	178	-	-	1
4611	-	100	36	12B16.5	-	-	-	-	-	-	178	178	-	-	
4612	-	100	36	8B13	-	-	-	-	-	-	178	178	-	-	
4613	-	100	36	8B13	-	-	-	-	-	-	178	178	-	-	
4614	-	100	36	8B13	-	-	-	-	-	-	178	178	-	-	
4615	-	100	36	8B13	-	-	-	-	-	-	178	178	-	-	
4616	-	100	36	12B16.5	-	-	-	-	-	-	178	26.5K	-	-	1
4617	-	100	36	8B13	-	-	-	-	-	-	178	178	-	-	
4618	-	100	36	8B13	-	-	-	-	-	-	178	178	-	-	
4619	-	100	36	10B15	-	-	-	-	-	-	178	178	-	-	1
4620	-	100	36	8B13	-	-	-	-	-	-	178	178	-	-	
4621	-	100	36	8B13	-	-	-	-	-	-	178	178	-	-	
4622	-	100	36	12B16.5	-	-	-	-	-	-	314	105	-	-	
4623	-	100	36	12B16.5	-	-	-	-	-	-	105	105	-	-	
4624	-	100	36	10B15	-	-	-	-	-	-	105	105	-	-	
4625	-	100	36	12B16.5	-	-	-	-	-	-	201	105	-	-	
4626	-	100	36	12B16.5	-	-	-	-	-	-	105	314	-	-	
4627	-	100	36	12B16.5	-	-	-	-	-	-	314	105	-	-	
4628	-	100	36	12B16.5	-	-	-	-	-	-	105	105	-	-	
4629	-	100	36	10B15	-	-	-	-	-	-	105	105	-	-	
4630	-	100	36	12B16.5	-	-	-	-	-	-	105	105	-	-	
4631	-	100	36	12B16.5	-	-	-	-	-	-	105	314	-	-	
4632	16X5-1/2BX	200	36	-	4	3/8	16	3/4	-	-	2650	206A	-	-	
4633	-	100	36	8B13	-	-	-	-	-	-	178	292	-	-	

REMARKS

1 DETAIL 204 INTERMEDIATE SUPPORT OF BEAM



THE TRADE CENTER

TITLE

BEAM SCHEDULE TOWERS A AND B

BEAM NO.	SIZE	TYPE	FY	SHAPE	PLATE 1		PLATE 2		DIMENSIONS		SUPPORTS		STUDS		REMARKS
					WIDTH	THICK	WIDTH	THICK	LENGTH	DIM. A	LEFT	RIGHT	NO.	SIZE	
4634	-	100	36	14B22	-	-	-	-	-	-	292	292	-	-	
4635	-	100	36	12B16.5	-	-	-	-	-	-	292	17.4K	-	-	
4636	-	100	36	10WF21	-	-	-	-	-	-	17.4K	17.4K	-	-	
4637	-	100	36	10WF21	-	-	-	-	-	-	509A	17.7K	-	-	
4638	-	100	36	12B16.5	-	-	-	-	-	-	26.5K	26.5K	-	-	
4639	-	100	36	12B16.5	-	-	-	-	-	-	26.5K	26.5K	-	-	
4640	-	100	36	12B16.5	-	-	-	-	-	-	26.5K	26.5K	-	-	
4641	-	100	36	12B16.5	-	-	-	-	-	-	26.5K	26.5K	-	-	
4642	-	100	36	12B16.5	-	-	-	-	-	-	26.5K	26.5K	-	-	
4643	-	100	36	12B16.5	-	-	-	-	-	-	26.5K	26.5K	-	-	
4644	-	100	36	8B13	-	-	-	-	-	-	17.4K	17.4K	-	-	
4645	-	100	36	14B22	-	-	-	-	-	-	105L	105L	11	3/4x3	
4646	15x3-3/8CH	505	36	15CH50	2-5/8	9/16	-	-	-	-	315	233	-	-	
4647	-	100	36	12WF27	-	-	-	-	-	-	201H	201E	-	-	
4648	-	100	36	16WF36	-	-	-	-	-	-	178A	508	-	-	2
4649	-	100	36	12B16.5	-	-	-	-	-	-	26.5K	26.5K	-	-	
4650	-	100	36	12B16.5	-	-	-	-	-	-	26.5K	26.5K	-	-	
4651	-	100	36	8B13	-	-	-	-	-	-	17.4K	17.4K	-	-	
4652	-	100	36	8B13	-	-	-	-	-	-	17.4K	17.4K	-	-	
4653	-	100	36	16B26	-	-	-	-	-	-	26.5K	510B	-	-	
4654	-	100	36	14WF34	-	-	-	-	-	-	26.5K	510B	-	-	
4655	-	100	36	14WF34	-	-	-	-	-	-	178A	510B	-	-	
4656	-	100	36	14WF34	-	-	-	-	-	-	26.5K	510B	-	-	
4657	-	100	36	14WF34	-	-	-	-	-	-	178A	510B	-	-	
4658	-	100	36	14WF34	-	-	-	-	-	-	26.5K	510B	-	-	
4659	-	100	36	14WF34	-	-	-	-	-	-	178A	510B	-	-	
4660	-	100	36	14WF34	-	-	-	-	-	-	26.5K	510B	-	-	
4661	-	100	36	14WF34	-	-	-	-	-	-	178A	510B	-	-	
4662	-	100	36	14WF34	-	-	-	-	-	-	26.5K	510B	-	-	
4663	-	100	36	14WF34	-	-	-	-	-	-	178A	510B	-	-	
4664	-	100	36	14WF34	-	-	-	-	-	-	26.5K	510B	-	-	
4665	-	100	36	14WF34	-	-	-	-	-	-	178A	510B	-	-	
4666	-	100	36	14WF34	-	-	-	-	-	-	26.5K	510B	-	-	
4667	-	100	36	14WF34	-	-	-	-	-	-	178A	510B	-	-	
4668	-	100	36	14WF34	-	-	-	-	-	-	26.5K	510B	-	-	
4669	-	100	36	14WF34	-	-	-	-	-	-	178A	510B	-	-	
4670	-	100	36	14WF34	-	-	-	-	-	-	26.5K	510B	-	-	
4671	-	100	36	14WF34	-	-	-	-	-	-	178A	510B	-	-	
4672	-	100	36	14WF34	-	-	-	-	-	-	26.5K	510B	-	-	
4673	-	100	36	14WF34	-	-	-	-	-	-	178A	510B	-	-	
4674	-	100	36	14WF34	-	-	-	-	-	-	26.5K	510B	-	-	
4675	-	100	36	14WF34	-	-	-	-	-	-	178A	510B	-	-	
4676	-	100	36	14WF34	-	-	-	-	-	-	26.5K	510B	-	-	
4677	-	100	36	14WF34	-	-	-	-	-	-	178A	510B	-	-	
4678	-	100	36	14WF34	-	-	-	-	-	-	26.5K	510B	-	-	
4679	-	100	36	14WF34	-	-	-	-	-	-	178A	510B	-	-	
4680	-	100	36	14WF34	-	-	-	-	-	-	26.5K	510B	-	-	
4681	-	100	36	14WF34	-	-	-	-	-	-	178A	510B	-	-	
4682	-	100	36	14WF34	-	-	-	-	-	-	26.5K	510B	-	-	
4683	-	100	36	14WF34	-	-	-	-	-	-	178A	510B	-	-	
4684	-	100	36	14WF34	-	-	-	-	-	-	26.5K	510B	-	-	
4685	-	100	36	14WF34	-	-	-	-	-	-	178A	510B	-	-	
4686	-	100	36	14WF34	-	-	-	-	-	-	26.5K	510B	-	-	
4687	-	100	36	14WF34	-	-	-	-	-	-	178A	510B	-	-	
4688	-	100	36	14WF34	-	-	-	-	-	-	26.5K	510B	-	-	
4689	-	100	36	14WF34	-	-	-	-	-	-	178A	510B	-	-	
4690	-	100	36	14WF34	-	-	-	-	-	-	26.5K	510B	-	-	
4691	-	100	36	14WF34	-	-	-	-	-	-	178A	510B	-	-	
4692	-	100	36	14WF34	-	-	-	-	-	-	26.5K	510B	-	-	
4693	-	100	36	14WF34	-	-	-	-	-	-	178A	510B	-	-	
4694	-	100	36	14WF34	-	-	-	-	-	-	26.5K	510B	-	-	
4695	-	100	36	14WF34	-	-	-	-	-	-	178A	510B	-	-	
4696	-	100	36	14WF34	-	-	-	-	-	-	26.5K	510B	-	-	
4697	-	100	36	14WF34	-	-	-	-	-	-	178A	510B	-	-	
4698	-	100	36	14WF34	-	-	-	-	-	-	26.5K	510B	-	-	
4699	-	100	36	14WF34	-	-	-	-	-	-	178A	510B	-	-	
4700	-	100	36	14WF34	-	-	-	-	-	-	26.5K	510B	-	-	

* HOLD

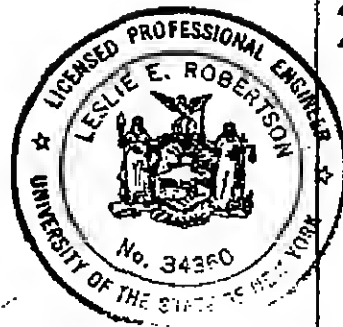
SKILLING, HELLE, CHRISTIANSEN, ROBERTSON

Structural & Civil Engineers

PROJECT		THE WORLD TRADE CENTER				TITLE		BEAM SCHEDULE TOWERS A AND B				DATE		12/ 6/68	
BEAM NO.	SIZE	TYPE	FY	SHAPE	PLATE 1		PLATE 2		DIMENSIONS		SUPPORTS		STUDS		REMARKS
					WIDTH	THICK	WIDTH	THICK	LENGTH	DIM. A	LEFT	RIGHT	NO.	SIZE	
4667	-	100	36	12B19	-	-	-	-	-	-	220G	503A	-	-	3
4668	-	100	36	12B19	-	-	-	-	-	-	503A	503A	-	-	3,4
4669	-	100	36	12B19	-	-	-	-	-	-	503A	370D	-	-	
4670	-	100	36	12B19	-	-	-	-	-	-	503A	503A	-	-	
4671	-	100	36	8B13	-	-	-	-	-	-	17.4K	17.4K	-	-	
4672	-	100	36	12B19	-	-	-	-	-	-	26.5K	26.5K	-	-	5
4673	-	100	36	16B31	-	-	-	-	-	-	205I	265B	-	-	
4674	-	600	36	68X15.4	-	-	-	-	-	-	451	384B	-	-	1
4675	15X3-3/8CH	505	36	15CH33.9	2-3/8	3/8	-	-	-	-	351	233	-	-	
4676	15X3-3/8CH	505	36	15CH33.9	2-3/8	1/4	-	-	-	-	233	315	-	-	
4677	15X3-3/8CH	505	36	15CH33.9	2-3/8	1/2	-	-	-	-	215	233	-	-	
4678	15X3-3/8CH	505	36	15CH33.9	2-3/8	1/2	-	-	-	-	315	233	-	-	
4679	-	100	36	8B13	-	-	-	-	-	-	504A	365A	-	-	
4680	-	100	36	8CH11.5	-	-	-	-	-	-	17.4K	17.4K	-	-	
4681	15X3-3/8CH	100	50	15CH50	-	-	-	-	-	-	315	233	-	-	
4682	-	100	50	18WF64	-	-	-	-	-	-	362A	456B	15	3/4X3	
4683	-	100	36	16B26	-	-	-	-	-	-	335J	301C	15	3/4X3	
4684	-	100	36	14B22	-	-	-	-	-	-	301C	26.5K	12	3/4X3C	
4685	-	100	50	10WF39	-	-	-	-	-	-	283R	358A	-	-	
4686	-	100	36	10WF25	-	-	-	-	-	-	17.4K	505B	-	-	
4687	-	100	36	14B22	-	-	-	-	-	-	105L	26.5K	-	-	
4688	-	100	36	8B13	-	-	-	-	-	-	283J	365A	-	-	
4689	-	600	36	68X15.4	-	-	-	-	-	-	384B	499	-	-	1
4690	-	100	36	12B16.5	-	-	-	-	-	-	26.5K	26.5K	-	-	
4691	-	100	36	10WF21	-	-	-	-	-	-	103A	17.4K	-	-	
4692	-	100	36	16WF40	-	-	-	-	-	-	28.0K	26.5K	-	-	
4693	-	100	36	12B16.5	-	-	-	-	-	-	26.5K	26.5K	16	3/4X3	
4694	-	100	36	10WF21	-	-	-	-	-	-	17.4K	111H	-	-	
4695	-	100	36	12B16.5	-	-	-	-	-	-	26.5K	26.5K	-	-	
4696	-	100	36	8B13	-	-	-	-	-	-	17.4K	17.4K	-	-	
4697	-	100	36	8B13	-	-	-	-	-	-	17.4K	17.4K	-	-	
4698	-	100	36	8B13	-	-	-	-	-	-	17.4K	507	-	-	
4699	-	600	36	68X15.4	-	-	-	-	-	-	518	519	-	-	1,2

REMARKS

- 1 STANDARD STRUCTURAL TUBING 6X4X1/4
- 2 DETAIL 389 INTERMEDIATE SUPPORT OF BEAM
- 3 RIGHT END OF BEAM SITS ON POST
- 4 LEFT END OF BEAM SITS ON POST
- 5 LEFT END EXTENDS 1FT 4 PAST CGL. CENTERLINE



SKILLING-HELLE-CHRISTIANSEN-ROBERTSON

Civil & Structural Engineers

PROJECT					TITLE						DATE				
THE WORLD TRADE CENTER					BEAM SCHEDULE TOWERS A AND B						1/24/58				
BEAM NO.	SIZE	TYPE	FY	SHAPE	PLATE 1		PLATE 2		DIMENSIONS		SUPPORTS		STUDS		REMARKS
					WIDTH	THICK	WIDTH	THICK	LENGTH	DIM. A	LEFT	RIGHT	NO.	SIZE	
4700	-	100	36	10WF21	-	-	-	-	-	-	505B	505A	-	-	
4701	-	100	50	12B16.5	-	-	-	-	-	-	303B	26.5K	10	3/4X3B	
4702	-	100	36	12B16.5	-	-	-	-	-	-	26.5K	26.5K	1A	3/4X3	3
4703	-	100	36	8B13	-	-	-	-	-	-	17.4K	17.4K	-	-	
4704	-	100	36	10WF21	-	-	-	-	-	-	17.7K	17.7K	-	-	
4705	-	100	36	10WF21	-	-	-	-	-	-	17.7K	17.7K	19	3/4X3	X
4706	-	100	36	10WF21	-	-	-	-	-	-	17.7K	17.7K	-	-	
4707	-	100	36	16B31	-	-	-	-	-	-	26.5K	26.5K	-	-	
4708	-	100	36	16B26	-	-	-	-	-	-	26.5K	475A	-	-	
4709	-	100	36	10WF21	-	-	-	-	-	-	17.4K	17.4K	-	-	
4710	-	100	36	16B31	-	-	-	-	-	-	443	26.5K	-	-	
4711	-	100	36	16B31	-	-	-	-	-	-	26.5K	26.5K	-	-	
4712	-	100	36	16WF45	-	-	-	-	-	-	220L	205F	-	-	
4713	-	100	36	16WF45	-	-	-	-	-	-	401A	401A	-	-	
4714	-	100	36	16WF45	-	-	-	-	-	-	205F	335C	-	-	1
4715	-	100	36	16WF45	-	-	-	-	-	-	335C	307D	-	-	2
4716	-	100	36	16WF45	-	-	-	-	-	-	401A	401A	-	-	
4717	-	100	36	16WF45	-	-	-	-	-	-	205F	220M	-	-	
4718	-	404	50	16WF50	-	-	-	-	-	-	338D	274B	26	3/4X3	
4719	-	404	50	16WF50	-	-	-	-	-	-	274B	282A	26	3/4X3	
4720	-	100	36	14B22	-	-	-	-	-	-	26.5K	26.5K	30	5/8X2	
4721	-	100	50	16WF50	-	-	-	-	-	-	220I	292A	40	3/4X3	
4722	-	100	36	16WF40	-	-	-	-	-	-	335	307	-	-	
4723	-	100	50	16WF50	-	-	-	-	-	-	292A	287G	40	3/4X3J	
4724	-	100	50	16WF45	-	-	-	-	-	-	106F	111I	39	3/4X3	
4725	-	100	50	16WF45	-	-	-	-	-	-	106E	106D	40	3/4X3	
4726	-	100	50	16B31	-	-	-	-	-	-	106K	106L	34	3/4X3	
4727	-	100	36	12WF27	-	-	-	-	-	-	26.5K	26.5K	-	-	
4728	-	100	50	16WF45	-	-	-	-	-	-	276A	26.5K	39	3/4X3	
4729	-	100	36	12B22	-	-	-	-	-	-	26.5K	26.5K	-	-	
4730	-	100	36	12B22	-	-	-	-	-	-	26.5K	26.5K	-	-	
4731	-	100	36	16WF45	-	-	-	-	-	-	106D	111L	30	3/4X3	
4732	-	100	36	14WF38	-	-	-	-	-	-	106D	106D	34	3/4X3	
4733	-	100	36	16WF36	-	-	-	-	-	-	106	106	-	-	

REMARKS

- 1 DETAIL 405 RIGHT END OF BEAM
- 2 DETAIL 405 LEFT END OF BEAM
- 3 SEE 6-AB2-36 FOR TROLLEY BEAM SUPPORT

* HOLD



SKILLING-HELLE-CHRISTIANSEN-ROBERTSON

Civil & Structural Engineers

PROJECT

THE WORLD TRADE CENTER

TITLE

BEAM SCHEDULE TOWERS A AND B

DATE

2/29/68

REVISIONS

BEAM NO.	SIZE	TYPE	FY	SHAPE	PLATE 1		PLATE 2		DIMENSIONS		SUPPORTS		STUDS		REMARKS
					WIDTH	THICK	WIDTH	THICK	LENGTH	DIM. A	LEFT	RIGHT	NO.	SIZE	
4734	-	100	36	16WF36	-	-	-	-	-	-	395C	306C	8	3/4X3	
4735	-	100	50	15CH40.0	-	-	-	-	-	-	315A	232C	-	-	
4736	-	100	36	12WF27	-	-	-	-	-	-	103A	102A	-	-	
4737	-	100	36	10WF21	-	-	-	-	-	-	17.4K	103A	-	-	
4738	-	100	36	12B19	-	-	-	-	-	-	105H	105H	8	3/4X3	
4739	-	100	36	12B22	-	-	-	-	-	-	105L	26.5K	15	3/4X4 1/2C	
4740	-	100	36	15CH40	-	-	-	-	-	-	407	407	-	-	
4741	-	100	36	10CH25	-	-	-	-	-	-	249	249	-	-	
4742	30X7 8U	300	36	-	7	2	26	3/4	-	-	334D	267A	-	-	
4743	-	100	36	16B31	-	-	-	-	-	-	364F	220I	-	-	
4744	16X5-1/20X	204	36	-	4	3/8	16	3/4	-	-	450	483	-	-	
4745	-	100	36	16WF36	-	-	-	-	-	-	170B	287G	15	3/4X3B	
4746	-	100	36	16WF45	-	-	-	-	-	-	303B	395B	8	3/4X3B	
4747	-	100	36	14B22	-	-	-	-	-	-	301C	26.5K	24	3/4X3	
4748	-	100	36	16WF36	-	-	-	-	-	-	111	106	-	-	
4749	-	100	36	12WF45	-	-	-	-	-	-	26.5K	368B	10	3/4X4-1/2B	
4750	-	100	36	16B26	-	-	-	-	-	-	26.5K	294D	10	3/4X3	
4751	-	100	36	8B13	-	-	-	-	-	-	17.4K	17.4K	-	-	
4752	-	100	36	14B26	-	-	-	-	-	-	201F	26.5K	23	3/4X3	
4753	-	100	36	14B26	-	-	-	-	-	-	26.5K	26.5K	10	3/4X3B	
4754	-	100	36	14WF34	-	-	-	-	-	-	106D	106D	39	3/4X3	
4755	-	100	36	14B26	-	-	-	-	-	-	106D	106D	39	3/4X3	
4756	-	100	36	8B13	-	-	-	-	-	-	17.4K	17.4K	-	-	
4757	-	100	36	8B13	-	-	-	-	-	-	17.4K	17.4K	-	-	
4758	-	100	36	8B13	-	-	-	-	-	-	17.4K	17.4K	-	-	
4759	-	100	36	14B22	-	-	-	-	-	-	26.5K	26.5K	-	-	
4760	-	100	36	12B15.5	-	-	-	-	-	-	17.4K	17.4K	10	3/4X3	
4761	-	100	36	12WF27	-	-	-	-	-	-	283G	105L	16	3/4X4-1/2	
4762	-	100	36	12WF27	-	-	-	-	-	-	26.5K	26.5K	16	3/4X4 1/2	
4763	-	100	36	16WF45	-	-	-	-	-	-	106D	111L	39	3/4X3	
4764	16X5-1/28X	201	36	-	4	3/8	16	3/4	-	-	483	450	-	-	
4765	-	100	50	14B22	-	-	-	-	-	-	235C	219B	34	3/4X3	



SKILLING-HELLE-CHRISTIANSEN-ROBERTSON

Civil & Structural Engineers

PROJECT	TITLE	DATE
THE WORLD TRADE CENTER	BEAM SCHEDULE TOWERS A AND B	9/25/68

REVISIONS

BEAM NO.	SIZE	TYPE	FY	SHAPE	PLATE 1		PLATE 2		DIMENSIONS		SUPPORTS		STUDS		REMARKS
					WIDTH	THICK	WIDTH	THICK	LENGTH	DIM. A	LEFT	RIGHT	NO.	SIZE	
4767	-	100	36	8813	-	-	-	-	-	-	17.4K	17.4K	-	-	
4768	-	100	36	16WF36	-	-	-	-	-	-	314	354	-	-	
4769	-	100	36	12B16.5	-	-	-	-	-	-	26.5K	297	-	-	
4770	-	100	36	16WF45	-	-	-	-	-	-	26.5K	26.5K	-	-	
4771	-	100	36	14B22	-	-	-	-	-	-	26.5K	26.5K	24	3/4X3	
4772	-	100	36	14B22	-	-	-	-	-	-	26.5K	26.5K	24	3/4X3	X
4773	-	100	36	12B16.5	-	-	-	-	-	-	26.5K	26.5K	-	-	
4774	-	100	36	8813	-	-	-	-	-	-	17.4K	17.4K	-	-	
4775	-	100	36	12B16.5	-	-	-	-	-	-	297	26.5K	-	-	
4776	-	100	36	12B19	-	-	-	-	-	-	26.5K	26.5K	15	3/4X3	
4777	-	100	36	14B22	-	-	-	-	-	-	26.5K	26.5K	-	-	
4778	-	100	36	12WF27	-	-	-	-	-	-	26.5K	26.5K	-	-	
4779	-	100	36	12WF27	-	-	-	-	-	-	26.5K	26.5K	-	-	
4780	-	100	36	10WF21	-	-	-	-	-	-	17.4K	17.4K	-	-	
4781	16X4 BX	200	36	-	2-1/2	3/4	16	3/4	-	-	247H	384B	-	-	
4782	-	100	36	16WF40	-	-	-	-	-	-	101	101	-	-	
4783	-	100	36	12B16.5	-	-	-	-	-	-	26.5K	503A	-	-	3
4784	-	100	36	12B16.5	-	-	-	-	-	-	172C	105L	-	-	
4785	-	100	36	12B16.5	-	-	-	-	-	-	295D	503A	-	-	
4786	-	100	36	9CH13.4	-	-	-	-	-	-	17.4K	17.4K	-	-	
4787	-	100	36	10WF21	-	-	-	-	-	-	17.7K	111I	-	-	
4788	-	100	36	10WF21	-	-	-	-	-	-	17.7K	111I	-	-	
4789	-	100	36	10WF21	-	-	-	-	-	-	111I	17.4K	-	-	
4790	-	100	36	16B26	-	-	-	-	-	-	508	418B	-	-	2
4791	-	100	36	16B26	-	-	-	-	-	-	418B	418B	-	-	2
4792	-	100	36	16B26	-	-	-	-	-	-	418B	418C	-	-	2
4793	-	100	36	16B26	-	-	-	-	-	-	26.5K	418A	-	-	2
4794	-	100	36	16B26	-	-	-	-	-	-	418A	508	-	-	2
4795	-	100	36	16B26	-	-	-	-	-	-	418A	418A	-	-	
4796	-	100	36	16B26	-	-	-	-	-	-	418A	418A	-	-	1
4797	-	100	36	16B26	-	-	-	-	-	-	418A	508	-	-	2
4798	-	100	36	16B26	-	-	-	-	-	-	418B	26.5K	-	-	2
4799	-	100	36	16B26	-	-	-	-	-	-	509A	509A	-	-	2

REMARKS

- 1 DETAIL 178A RIGHT END OF BEAM
- 2 DETAIL 512 INTERMEDIATE SUPPORT OF BEAM
- 3 RIGHT END OF BEAM SITS ON POST



SKILLING-HELLE-CHRISTIANSEN-ROBERTSON

Civil & Structural Engineers

PROJECT

THE WORLD TRADE CENTER

TITLE

BEAM SCHEDULE TOWERS A AND B

DATE

9/25/68

REVISIONS

BEAM NO.	SIZE	TYPE	FY	SHAPE	PLATE 1		PLATE 2		DIMENSIONS		SUPPORTS		STUDS		REMARKS
					WIDTH	THICK	WIDTH	THICK	LENGTH	DIM. A	LEFT	RIGHT	NO.	SIZE	
4800	-	100	36	16B26	-	-	-	-	-	-	509A	418B	-	-	1
4801	-	100	36	16B26	-	-	-	-	-	-	508	418B	-	-	1
4802	-	100	36	18WF64	-	-	-	-	-	-	456H	362B	-	-	
4803	-	100	36	16WF40	-	-	-	-	-	-	26.5K	455A	-	-	
4804	-	100	36	16WF36	-	-	-	-	-	-	106	214	-	-	
4805	-	100	36	10WF21	-	-	-	-	-	-	260B	508	-	-	X
4806	-	100	36	18154.7	-	-	-	-	-	-	39.8K	39.8K	-	-	
4807	-	100	36	16WF40	-	-	-	-	-	-	455A	26.5K	-	-	
4808	-	100	36	16WF40	-	-	-	-	-	-	26.5K	454A	-	-	
4809	-	100	36	16WF40	-	-	-	-	-	-	454A	26.5K	-	-	
4810	-	100	36	16WF40	-	-	-	-	-	-	454A	26.5K	-	-	
4811	-	100	36	16WF36	-	-	-	-	-	-	214	106	-	-	
4812	-	100	36	8813	-	-	-	-	-	-	17.4K	17.4K	-	-	
4813	-	100	36	8813	-	-	-	-	-	-	17.4K	17.4K	-	-	
4814	-	100	36	16WF36	-	-	-	-	-	-	327	106	-	-	
4815	-	100	36	10815	-	-	-	-	-	-	105	327	-	-	
4816	-	100	36	10815	-	-	-	-	-	-	354	105	-	-	
4817	-	100	36	16B26	-	-	-	-	-	-	26.5K	509A	-	-	
4818	-	100	36	12816.5	-	-	-	-	-	-	26.5K	26.5K	-	-	
4819	-	100	36	12816.5	-	-	-	-	-	-	26.5K	26.5K	16	3/4X3	
4820	-	100	36	12816.5	-	-	-	-	-	-	26.5K	26.5K	16	3/4X3	
4821	-	100	36	10WF21	-	-	-	-	-	-	17.4K	17.4K	-	-	
4822	-	100	36	10WF21	-	-	-	-	-	-	17.4K	17.4K	-	-	
4823	-	100	36	8813	-	-	-	-	-	-	17.4K	172C	-	-	
4824	-	100	36	8813	-	-	-	-	-	-	17.4K	17.4K	12	3/4X3	
4825	-	100	36	8813	-	-	-	-	-	-	17.4K	17.4K	-	-	
4826	-	100	36	10WF25	-	-	-	-	-	-	17.4K	17.4K	24	3/4X3	
4827	-	100	36	12WF31	-	-	-	-	-	-	506B	506A	-	-	
4828	-	100	36	12WF45	-	-	-	-	-	-	26.5K	26.5K	-	-	
4829	-	100	36	12WF45	-	-	-	-	-	-	26.5K	26.5K	-	-	
4830	-	100	36	14B22	-	-	-	-	-	-	26.5K	172B	-	-	
4831	-	100	36	10WF21	-	-	-	-	-	-	17.4K	17.4K	-	-	
4832	-	100	36	16WF36	-	-	-	-	-	-	106	106	-	-	
4833	-	100	36	16WF40	-	-	-	-	-	-	102C	102C	-	-	

REMARKS

1 DETAIL 512 INTERMEDIATE SUPPORT OF BEAM



SKILLING-HELLE-CHRISTIANSEN-ROBERTSON

Civil & Structural Engineers

PROJECT	TITLE	DATE
THE WORLD TRADE CENTER	BEAM SCHEDULE TOWERS A AND B	1/22/68

REVISIONS

BEAM NO.	SIZE	TYPE	FY	SHAPE	PLATE 1		PLATE 2		DIMENSIONS		SUPPORTS		STUDS		REMARKS
					WIDTH	THICK	WIDTH	THICK	LENGTH	DIM. A	LEFT	RIGHT	NO.	SIZE	
4834	-	100	36	16WF40	-	-	-	-	-	-	101C	101C	-	-	
4835	-	100	36	12B16.5	-	-	-	-	-	-	504	504	-	-	
4836	-	100	36	16WF36	-	-	-	-	-	-	106	26.5K	-	-	
4837	-	100	36	8B13	-	-	-	-	-	-	17.4K	17.4K	-	-	
4838	-	100	36	16WF36	-	-	-	-	-	-	106	106	-	-	
4839	-	100	36	16WF36	-	-	-	-	-	-	26.5K	26.5K	-	-	
4840	-	100	36	12B16.5	-	-	-	-	-	-	26.5K	105	-	-	
4841	-	100	36	12B16.5	-	-	-	-	-	-	354	105	-	-	
4842	-	100	36	12B16.5	-	-	-	-	-	-	201	105	-	-	
4843	-	100	36	16B26	-	-	-	-	-	-	509A	418B	-	-	1
4844	-	100	36	16B26	-	-	-	-	-	-	418B	508	-	-	1
4845	-	100	36	6B16	-	-	-	-	-	-	172C	510A	-	-	
4846	-	100	36	6B16	-	-	-	-	-	-	330A	508	-	-	
4847	-	100	36	18WF60	-	-	-	-	-	-	317E	317E	-	-	20 3/4X3
4848	-	100	36	18WF60	-	-	-	-	-	-	317F	317F	-	-	20 3/4X3
4849	-	100	36	8B13	-	-	-	-	-	-	17.4K	17.4K	-	-	
4850	-	100	36	8B13	-	-	-	-	-	-	17.4K	17.4K	-	-	
4851	-	100	36	8CH11.5	-	-	-	-	-	-	17.4K	17.4K	-	-	
4852	-	100	36	12B16.5	-	-	-	-	-	-	105	354	-	-	
4853	-	100	36	12B16.5	-	-	-	-	-	-	105	201	-	-	
4854	-	100	36	12B16.5	-	-	-	-	-	-	105	26.5K	-	-	
4855	-	100	50	8WF17	-	-	-	-	-	-	17.4K	17.4K	-	-	
4856	-	100	36	10B15	-	-	-	-	-	-	-	201	-	-	
4857	-	100	36	12B16.5	-	-	-	-	-	-	26.5K	201	-	-	
4858	-	100	36	18WF45	-	-	-	-	-	-	106	106	-	-	
4859	-	100	50	8WF17	-	-	-	-	-	-	17.4K	17.4K	-	-	
4860	-	100	36	12B16.5	-	-	-	-	-	-	314	106	-	-	
4861	-	100	36	16WF40	-	-	-	-	-	-	208H	220I	-	-	39 3/4X3J
4862	-	100	36	12WF27	-	-	-	-	-	-	26.5K	26.5K	-	-	
4863	-	100	36	16WF40	-	-	-	-	-	-	220I	208H	-	-	39 3/4X3D
4864	-	100	36	12WF27	-	-	-	-	-	-	435A	435A	-	-	
4865	-	100	36	12WF27	-	-	-	-	-	-	26.5K	26.5K	-	-	
4866	-	100	36	16WF40	-	-	-	-	-	-	208H	287G	-	-	39 3/4X3D

REMARKS

1 DETAIL 512 INTERMEDIATE SUPPORT OF BEAM

SKILLING-HELLE-CHRISTIANSEN-ROBERTSON

Civil & Structural Engineers

PROJECT

THE WORLD TRADE CENTER

TITLE

BEAM SCHEDULE TOWERS A AND B

DATE

1/22/68

REVISIONS

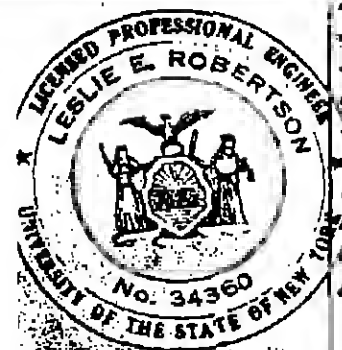
BEAM NO.	SIZE	TYPE	FY	SHAPE	PLATE 1		PLATE 2		DIMENSIONS		SUPPORTS		STUDS		REMARKS
					WIDTH	THICK	WIDTH	THICK	LENGTH	DIM. A	LEFT	RIGHT	NO.	SIZE	
4867	-	100	36	16WF36	-	-	-	-	-	-	287G	208H	39	3/4X3	
4868	-	100	36	16WF40	-	-	-	-	-	-	208H	208H	39	3/4X3D	
4869	-	100	36	16WF36	-	-	-	-	-	-	26.5K	208H	10	3/4X3B	
4870	-	100	36	16WF36	-	-	-	-	-	-	307C	208H	10	3/4X3B	
4871	-	100	36	16WF36	-	-	-	-	-	-	26.5K	208H	10	3/4X3B	
4872	-	100	36	16WF36	-	-	-	-	-	-	26.5K	208H	10	3/4X3B	X
4873	-	100	36	16WF36	-	-	-	-	-	-	26.5K	26.5K	-	-	
4874	-	100	36	12B16.5	-	-	-	-	-	-	26.5K	26.5K	15	3/4X3	
4875	-	100	36	16B26	-	-	-	-	-	-	308A	26.5K	10	3/4X3C	
4876	-	100	36	16WF36	-	-	-	-	-	-	26.5K	26.5K	-	-	
4877	-	100	36	12WF27	-	-	-	-	-	-	326A	325A	-	-	
4878	-	100	36	12WF27	-	-	-	-	-	-	325A	325A	-	-	
4879	-	100	36	12WF27	-	-	-	-	-	-	323A	325A	-	-	
4880	-	100	36	12WF27	-	-	-	-	-	-	325A	325A	-	-	
4881	-	100	36	12WF27	-	-	-	-	-	-	325A	326A	-	-	
4882	-	100	36	12WF27	-	-	-	-	-	-	326A	325A	-	-	
4883	-	100	36	12WF27	-	-	-	-	-	-	325A	325A	-	-	
4884	-	100	36	16B31	-	-	-	-	-	-	220E	265A	-	-	
4885	-	100	36	12WF27	-	-	-	-	-	-	325A	325A	-	-	
4886	-	100	36	12WF27	-	-	-	-	-	-	325A	326A	-	-	
4887	-	100	36	16WF45	-	-	-	-	-	-	220H	205C	-	-	
4888	-	100	36	16WF40	-	-	-	-	-	-	401B	401B	-	-	
4889	-	100	36	16WF45	-	-	-	-	-	-	205D	220F	-	-	
4890	-	100	36	16WF45	-	-	-	-	-	-	220H	205C	-	-	
4891	-	100	36	16WF40	-	-	-	-	-	-	401B	401B	-	-	
4892	-	100	36	16WF45	-	-	-	-	-	-	205C	220F	-	-	
4893	-	100	36	16B31	-	-	-	-	-	-	265A	220E	-	-	
4894	-	100	36	12WF36	-	-	-	-	-	-	283M	26.5K	-	-	
4895	-	100	36	10B15	-	-	-	-	-	-	17.4K	495	-	-	
4896	-	100	36	12WF31	-	-	-	-	-	-	111C	26.5K	-	-	
4897	-	100	36	12B22	-	-	-	-	-	-	26.5K	26.5K	-	-	
4898	-	100	36	16WF36	-	-	-	-	-	-	26.5K	354	-	-	
4899	-	100	36	12WF36	-	-	-	-	-	-	26.5K	287F	-	-	



SKILLING-HELLE-CHRISTIANSEN-ROBERTSON

Civil & Structural Engineers

PROJECT THE WORLD TRADE CENTER					TITLE BEAM SCHEDULE TOWERS A AND B							DATE 1/22/68			
BEAM NO.	SIZE	TYPE	FY	SHAPE	PLATE 1		PLATE 2		DIMENSIONS		SUPPORTS		STUDS		REMARKS
					WIDTH	THICK	WIDTH	THICK	LENGTH	DIM. A	LEFT	RIGHT	NO.	SIZE	
4900	-	100	36	12WF36	-	-	-	-	-	-	170A	287F	-	-	
4901	-	100	36	12B22	-	-	-	-	-	-	310C	26.5K	-	-	
4902	-	100	36	12WF36	-	-	-	-	-	-	307D	287B	-	-	
4903	-	100	36	12WF36	-	-	-	-	-	-	26.5K	287F	-	-	
4904	-	100	36	12WF31	-	-	-	-	-	-	310C	26.5K	-	-	
4905	-	100	36	12WF36	-	-	-	-	-	-	26.5K	287F	-	-	
4906	-	100	36	12WF27	-	-	-	-	-	-	17.4K	17.4K	-	-	
4907	-	100	36	12WF27	-	-	-	-	-	-	435A	435A	-	-	
4908	-	100	36	10WF21	-	-	-	-	-	-	17.4K	17.4K	-	-	
4909	-	100	36	12WF45	-	-	-	-	-	-	364B	364B	-	-	
4910	-	100	36	12B16.5	-	-	-	-	-	-	495	26.5K	-	-	
4911	-	100	36	6CH13	-	-	-	-	-	-	17.4K	17.4K	-	-	
4912	-	100	36	6CH8.2	-	-	-	-	-	-	17.4K	17.4K	-	-	
4913	-	100	36	6CH8.2	-	-	-	-	-	-	17.4K	17.4K	-	-	
4914	-	100	36	15CH33.9	-	-	-	-	-	-	315	315	-	-	
4915	15X3-3/8 CH	505	36	15CH40	-	-	-	-	-	-	26.5K	26.5K	-	-	
4916	-	100	36	24WF68	-	-	-	-	-	-	300	491	-	-	
4917	-	100	36	16WF36	-	-	-	-	-	-	262	300	-	-	
4918	-	100	36	8WF24	-	-	-	-	-	-	490	489	-	-	
4919	-	100	36	8WF24	-	-	-	-	-	-	492	489	-	-	
4920	-	100	36	24WF76	-	-	-	-	-	-	492	491	-	-	
4921	-	100	36	10B15	-	-	-	-	-	-	493	17.4K	-	-	
4922	-	100	36	10B15	-	-	-	-	-	-	17.4K	493	-	-	
4923	-	100	36	10B15	-	-	-	-	-	-	17.4K	17.4K	-	-	
4924	-	100	36	10B15	-	-	-	-	-	-	17.4K	17.4K	-	-	
4925	24X7 8U	300	36	-	7	3/4	22-1/2	3/8	-	-	35.3K	35.3K	-	-	
4926	24X7 8U	300	36	-	7	3/4	22-1/2	3/8	-	-	35.3K	35.3K	-	-	
4927	-	100	50	24WF68	-	-	-	-	-	-	317E	381A	26	3/4X3	
4928	-	100	50	24WF68	-	-	-	-	-	-	317E	317E	26	3/4X3	
4929	24X6 8U	300	36	-	6	1-3/4	20-1/2	1/2	-	-	90.2K	90.2K	-	-	
4930	-	100	36	12B16.5	-	-	-	-	-	-	26.5K	495	-	-	
4931	-	100	36	16WF36	-	-	-	-	-	-	26.5K	287	-	-	
4932	-	100	36	10B15	-	-	-	-	-	-	495	17.4K	-	-	
4933	-	100	36	14B22	-	-	-	-	-	-	26.5K	26.5K	-	-	



SKILLING-HELLE-CHRISTIANSEN-ROBERTSON

Civil & Structural Engineers

PROJECT					TITLE					DATE					
THE WORLD TRADE CENTER					BEAM SCHEDULE TOWERS A AND B					12/21/67					
BEAM NO.	SIZE	TYPE	FY	SHAPE	PLATE 1		PLATE 2		DIMENSIONS		SUPPORTS		STUDS		REMARKS
					WIDTH	THICK	WIDTH	THICK	LENGTH	DIM. A	LEFT	RIGHT	NO.	SIZE	
4934	16X5-1/28X	202	36	-	4	1/4	16	3/4	-	-	483	450	-	-	
4935	16X5-1/28X	204	36	-	4	1/4	16	3/4	-	-	206A	247G	-	-	
4936	16X5-1/28X	204	36	-	4	1/4	16	3/4	-	-	328A	225A	-	-	
4937	-	100	36	6CH12	-	-	-	-	-	-	522	521	-	-	
4938	16X5-1/28X	204	36	-	4	1/4	16	3/4	-	-	328A	397A	-	-	
4939	-	100	36	15CH33.9	-	-	-	-	-	-	268A	522	-	-	
4940	-	100	36	12CH31	-	-	-	-	-	-	268A	26.5K	-	-	
4941	-	100	36	12CH31	-	-	-	-	-	-	518	26.5K	-	-	
4942	-	100	36	12CH16.5	-	-	-	-	-	-	111H	26.5K	-	-	
4943	-	100	36	14826	-	-	-	-	-	-	283I	497	-	-	
4944	-	100	36	14826	-	-	-	-	-	-	214B	283X	-	-	
4945	-	100	36	14826	-	-	-	-	-	-	370D	26.5K	-	-	
4946	-	100	36	14826	-	-	-	-	-	-	283I	170C	-	-	
4947	16X4 BX	200	36	-	2-1/2	3/4	16	3/4	-	-	247H	384A	-	-	
4948	-	100	36	8813	-	-	-	-	-	-	283I	386A	-	-	
4949	-	100	36	12CH20.7	-	-	-	-	-	-	520	332A	-	-	
4950	-	100	36	8813	-	-	-	-	-	-	111W	111W	-	-	
4951	-	100	36	8813	-	-	-	-	-	-	283I	283I	-	-	
4952	-	100	36	5CH6.7	-	-	-	-	-	-	496	268A	-	-	
4953	-	100	36	6CH15.1	-	-	-	-	-	-	519	268A	-	-	
4954	16X5-1/28X	200	36	-	4	1/4	16	3/4	-	-	225A	328A	-	-	
4955	-	100	36	14822	-	-	-	-	-	-	494A	26.5K	-	-	
4956	-	100	36	16831	-	-	-	-	-	-	205I	364A	-	-	2
4957	-	100	36	16831	-	-	-	-	-	-	364A	364A	-	-	
4958	-	100	36	16831	-	-	-	-	-	-	205I	364C	-	-	3
4959	-	100	36	16831	-	-	-	-	-	-	364C	364C	-	-	
4960	-	100	36	16831	-	-	-	-	-	-	364C	364D	-	-	
4961	-	100	36	8813	-	-	-	-	-	-	364D	364B	-	-	
4962	-	100	36	16831	-	-	-	-	-	-	364D	364C	-	-	
4963	-	100	36	16831	-	-	-	-	-	-	364C	364C	-	-	
4964	-	100	36	16831	-	-	-	-	-	-	364C	205I	-	-	4
4965	-	600	36	48X15.4	-	-	-	-	-	-	918	518	-	-	1,5
4966	-	100	36	12816.5	-	-	-	-	-	-	17.4K	17.4K	-	-	

REMARKS

- 1 STANDARD STRUCTURAL TUBING 6X4X1/4
- 2 DETAIL 521 LEFT END OF BEAM
- 3 DETAIL 522 LEFT END OF BEAM
- 4 DETAIL 522 RIGHT END OF BEAM
- 5 DETAIL 389 INTERMEDIATE SUPPORT OF BEAM

SKILLING, HELLE, CHRISTIANSEN, ROBERTSON

Structural & Civil Engineers

PROJECT		THE WORLD TRADE CENTER				TITLE		BEAM SCHEDULE TOWERS A AND B				DATE		12/ 6/68	
BEAM NO.	SIZE	TYPE	FY	SHAPE	PLATE 1		PLATE 2		DIMENSIONS		SUPPORTS		STUDS		REMARKS
					WIDTH	THICK	WIDTH	THICK	LENGTH	DIM. A	LEFT	RIGHT	NO.	SIZE	
4967	-	100	36	8B13	-	-	-	-	-	-	111H	105H	-	-	
4968	-	100	36	5CH6.7	-	-	-	-	-	-	363B	363B	-	-	
4969	-	600	36	6BX15.4	-	-	-	-	-	-	519	518	-	-	2,3
4970	-	600	36	6BX15.4	-	-	-	-	-	-	516	516	-	-	2,3
4971	-	600	36	6BX15.4	-	-	-	-	-	-	518	520	-	-	2,3
4972	-	100	36	16B31	-	-	-	-	-	-	205I	364C	-	-	4
4973	-	100	36	16B31	-	-	-	-	-	-	364C	364C	-	-	
4974	-	100	36	8B13	-	-	-	-	-	-	364D	364D	-	-	
4975	-	100	36	12B16.5	-	-	-	-	-	-	481	26.5K	-	-	
4976	-	600	36	6BX15.4	-	-	-	-	-	-	516	388A	-	-	3,5
4977	-	100	36	16WF96	-	-	-	-	-	-	26.5K	26.5K	-	-	
4978	-	100	36	16WF96	-	-	-	-	-	-	26.5K	26.5K	-	-	
4979	-	100	36	10WF21	-	-	-	-	-	-	17.4K	101	-	-	
4980	-	100	36	24WF76	-	-	-	-	-	-	491	491	-	-	
4981	-	100	36	24WF76	-	-	-	-	-	-	491	305	-	-	
4982	-	100	36	21WF62	-	-	-	-	-	-	35.3K	35.3K	-	-	
4983	-	100	36	21WF62	-	-	-	-	-	-	35.3K	35.3K	-	-	
4984	-	100	36	16WF36	-	-	-	-	-	-	35.3K	35.3K	-	-	
4985	-	100	36	16B26	-	-	-	-	-	-	26.5K	26.5K	-	-	
4986	-	100	36	12B19	-	-	-	-	-	-	26.5K	26.5K	-	-	
4987	-	100	36	12B19	-	-	-	-	-	-	26.5K	26.5K	-	-	
4988	-	100	36	14B22	-	-	-	-	-	-	26.5K	26.5K	22	3/4X3	
4989	24X6 BU	300	36	-	6	1-3/4	20-1/2	1/2	-	-	90.2K	90.2K	-	-	
4990	-	100	36	12WF45	-	-	-	-	-	-	201	105	-	-	
4991	-	100	36	12WF45	-	-	-	-	-	-	105	201	-	-	
4992	-	100	36	14B22	-	-	-	-	-	-	213	106	8	3/4X3	
4993	-	100	36	12WF27	-	-	-	-	-	-	105	26.5K	-	-	
4994	-	100	36	12WF27	-	-	-	-	-	-	26.5K	105	-	-	
4995	-	100	36	10WF25	-	-	-	-	-	-	505	17.4K	-	-	
4996	-	100	36	16B26	-	-	-	-	-	-	26.5K	453	-	-	
4997	-	100	36	10WF25	-	-	-	-	-	-	17.4K	505	-	-	
4998	-	100	36	14B22	-	-	-	-	-	-	26.5K	26.5K	-	-	
4999	27X10WF	452	36	27WF84	8-3/4	3/8	-	-	53FT 0	3FT2	71.0K	152	88	3/4X3	1

REMARKS

- 1 DIMENSION B 20FT 3
- 2 DETAIL 389 CENTER SUPPORT OF BEAM
- 3 STANDARD STRUCTURAL TUBING 6X4X1/4
- 4 DETAIL 521 LEFT END OF BEAM
- 5 USE DETAIL 388B, RIGHT SUPPORT, TOWER B ONLY



SKILLING-HELLE-CHRISTIANSEN-ROBERTSON

Civil & Structural Engineers

PROJECT		THE WORLD TRADE CENTER			TITLE		BEAM SCHEDULE TOWERS A AND B					DATE		10/22/68	
BEAM NO.	SIZE	TYPE	FY	SHAPE	PLATE 1		PLATE 2		DIMENSIONS		SUPPORTS		STUDS		REMARKS
					WIDTH	THICK	WIDTH	THICK	LENGTH	DIM. A	LEFT	RIGHT	NO.	SIZE	
5001	27X10WF	400	36	27WF84	8-3/4	3/8	-	-	54FT	0	152	61.5K	88	3/4X3	1
5002	27X10WF	400	36	27WF84	8-3/4	3/8	-	-	54FT	0	61.5K	152	88	3/4X3	1
5003	27X10WF	400	36	27WF84	8-3/4	7/8	-	-	54FT	0	152	63.9K	101	3/4X3	1
5004	27X10WF	400	36	27WF84	8-3/4	7/8	-	-	54FT	0	63.9K	152	101	3/4X3	1
5005	-	440	36	12B19	-	-	-	-	-	-	508	497	-	-	
5006	-	440	36	12B19	-	-	-	-	-	-	113A	113A	-	-	
5007	-	100	36	8B13	-	-	-	-	-	-	172C	510A	-	-	
5008	27X10WF	400	36	27WF84	8	1- 3/8	-	-	54FT	0	152	335L	112	3/4X3	1
5009	24X12WF	400	36	24WF100	10-3/4	3/8	-	-	54FT	0	153	335L	130	3/4X3	1
5010	30X15WF	435	50	30WF172	13-3/4	1/2	-	-	54FT	0	131.5K	159	120	3/4X3	1
5011	27X10WF	435	36	27WF84	8	1- 3/8	-	-	54FT	0	66.7K	160	112	3/4X3	1
5012	18X7-1/2WF	400	50	18WF60	6	3/4	-	-	26FT	0	166C	172C	90	3/4X3	
5013	30X10-1/2WF	400	36	30WF99	9-1/4	1/2	-	-	54FT	0	151	116.6K	106	3/4X3	1
5014	30X10-1/2WF	400	36	30WF99	9-1/4	1/2	-	-	54FT	0	116.6K	151	106	3/4X3	1
5015	-	100	36	12B16.5	-	-	-	-	-	-	26.5K	26.5K	15	3/4X3	
5016	-	100	36	12B16.5	-	-	-	-	-	-	26.5K	26.5K	15	3/4X3	
5017	16X8-1/2WF	400	36	16WF58	7-1/2	7/16	-	-	32FT	3	156A	37.5K	62	3/4X3	
5018	16X8-1/2WF	400	36	16WF58	7-1/2	7/16	-	-	32FT	3	37.5K	156A	62	3/4X3	
5019	-	100	36	16B26	-	-	-	-	-	-	156B	26.5K	24	3/4X3	
5020	-	100	36	16B26	-	-	-	-	-	-	26.5K	156B	24	3/4X3	
5021	18X7-1/2WF	400	50	18WF60	6	3/4	-	-	26FT	0	172C	166C	90	3/4X3	
5022	-	100	36	24WF76	-	-	-	-	-	-	491	491	-	-	
5023	24X9 WF	454	50	24WF68	7-3/4	3/8	-	-	32FT	3	153	63.8K	72	3/4X3	2
5024	24X9 WF	454	50	24WF68	7-3/4	3/8	-	-	32FT	3	63.8K	153	72	3/4X3	2
5025	-	100	36	16WF40	-	-	-	-	-	-	156A	26.5K	38	3/4X3	
5026	30X15WF	454	36	30WF172	13-3/4	1/2	-	-	32FT	3	151	237C	180	3/4X3	2
5027	30X15WF	454	36	30WF172	13-3/4	7/8	-	-	32FT	3	151	237C	196	3/4X3	2
5028	30X15WF	454	36	30WF172	13-3/4	1/2	-	-	32FT	3	237D	151	180	3/4X3	2
5029	30X15WF	454	36	30WF172	13-3/4	7/8	-	-	32FT	3	237C	151	196	3/4X3	2
5030	-	100	36	9CH13.4	-	-	-	-	-	-	17.4K	17.4K	10	3/4X3	
5031	-	100	36	9CH13.4	-	-	-	-	-	-	17.4K	17.4K	10	3/4X3	
5032	-	100	36	9CH13.4	-	-	-	-	-	-	17.4K	17.4K	-	-	
5033	-	100	36	9CH13.4	-	-	-	-	-	-	17.4K	17.4K	-	-	

REMARKS

- 1 DIMENSION B 28FT 3
2 DIMENSION B 6FT 11



SKILLING, HELLE, CHRISTIANSEN, ROBERTSON

Structural & Civil Engineers

PROJECT

THE WORLD TRADE CENTER

TITLE

BEAM SCHEDULE TOWERS A AND B

DATE

1/10/69

REVISIONS

BEAM NO.	SIZE	TYPE	FY	SHAPE	PLATE 1		PLATE 2		DIMENSIONS		SUPPORTS		STUDS		REMARKS
					WIDTH	THICK	WIDTH	THICK	LENGTH	DIM. A	LEFT	RIGHT	NO.	SIZE	
5034	-	100	36	14WF30	-	-	-	-	-	-	26.5K	26.5K	28	3/4X3	
5035	-	100	36	21WF68	-	-	-	-	-	-	35.3K	35.3K	51	3/4X3	
5036	16X8-1/2WF	456	36	16WF58	7-1/2	7/16	-	-	32FT 3	-	161	39.6K	62	3/4X3	
5037	-	100	36	8B13	-	-	-	-	-	-	17.4K	17.4K	-	-	
5038	-	100	36	16B26	-	-	-	-	-	-	26.5K	26.5K	-	-	
5039	18X7-1/2WF	400	36	18WF45	6	1/2	-	-	23FT 0	-	42.9K	49.0K	51	3/4X3	
5040	18X8-1/2WF	400	50	18WF64	7-1/2	3/4	-	-	32FT 3	-	155	55.0K	86	3/4X3	
5041	-	100	36	8B13	-	-	-	-	-	-	163A	17.4K	14	3/4X3	
5042	-	100	36	8B13	-	-	-	-	-	-	17.4K	163A	14	3/4X3	
5043	-	100	36	14WF34	-	-	-	-	-	-	26.5K	157	31	3/4X3	
5044	27X10WF	400	36	27WF84	8	1- 3/8	-	-	54FT 0	-	152	66.7K	112	3/4X3	1
5045	27X10WF	400	36	27WF84	8	1- 3/8	-	-	54FT 0	-	66.7K	152	112	3/4X3	1
5046	27X10WF	400	36	27WF94	8	1	-	-	54FT 0	-	152	202F	112	3/4X3	1
5047	27X10WF	400	36	27WF94	8	1	-	-	54FT 0	-	202F	152	112	3/4X3	1
5048	30X15WF	400	50	30WF172	13-3/4	1/2	-	-	54FT 0	-	151	131.5K	120	3/4X3	1
5049	30X15WF	400	50	30WF172	13-3/4	1/2	-	-	54FT 0	-	131.5K	151	120	3/4X3	1
5050	27X10WF	400	36	27WF94	8	1- 3/8	-	-	54FT 0	-	152	67.0K	112	3/4X3	1
5051	27X10WF	400	36	27WF94	8	1- 3/8	-	-	54FT 0	-	67.0K	152	112	3/4X3	1
5052	30X10-1/2WF	453	50	30WF108	8	1- 9/16	-	-	32FT 3	-	237C	151	124	3/4X3	2
5053	30X10-1/2WF	453	50	30WF108	8	1- 9/16	-	-	32FT 3	-	151	237C	124	3/4X3	2
5054	16X8-1/2WF	400	36	16WF58	7-1/2	7/16	-	-	32FT 3	-	39.6K	156A	62	3/4X3	
5055	16X8-1/2WF	400	36	16WF58	7-1/2	7/16	-	-	32FT 3	-	156A	39.6K	62	3/4X3	
5056	-	100	36	16WF36	-	-	-	-	-	-	156B	26.5K	24	3/4X3	
5057	-	100	36	16WF36	-	-	-	-	-	-	156B	26.5K	24	3/4X3	
5058	-	100	36	8B13	-	-	-	-	-	-	163	17.4K	14	3/4X3	
5059	-	100	36	12WF27	-	-	-	-	-	-	26.5K	26.5K	-	-	
5060	-	100	36	14WF30	-	-	-	-	-	-	26.5K	26.5K	-	-	
5061	-	100	36	14WF30	-	-	-	-	-	-	26.5K	26.5K	-	-	
5062	-	100	36	14WF30	-	-	-	-	-	-	26.5K	26.5K	-	-	
5063	-	100	36	14WF30	-	-	-	-	-	-	26.5K	26.5K	-	-	
5064	-	100	36	14WF30	-	-	-	-	-	-	26.5K	26.5K	-	-	
5065	-	100	36	14WF30	-	-	-	-	-	-	26.5K	26.5K	-	-	
5066	-	100	36	14WF30	-	-	-	-	-	-	26.5K	26.5K	-	-	

REMARKS

- 1 DIMENSION 8 20FT 3
2 DIMENSION 8 6FT 11



SKILLING-HELLE-CHRISTIANSEN-ROBERTSON

Civil & Structural Engineers

PROJECT THE WORLD TRADE CENTER					TITLE BEAM SCHEDULE TOWERS A AND B							DATE 1/22/68			
BEAM NO.	SIZE	TYPE	FY	SHAPE	PLATE 1		PLATE 2		DIMENSIONS		SUPPORTS		STUDS		REMARKS
					WIDTH	THICK	WIDTH	THICK	LENGTH	DIM. A	LEFT	RIGHT	NO.	SIZE	
5067	-	100	36	14WF30	-	-	-	-	-	-	26.5K	26.5K	-	-	
5068	-	100	36	14WF30	-	-	-	-	-	-	26.5K	26.5K	-	-	
5069	-	100	36	14WF30	-	-	-	-	-	-	26.5K	26.5K	-	-	
5070	-	100	36	14WF30	-	-	-	-	-	-	26.5K	26.5K	-	-	
5071	-	100	36	14WF30	-	-	-	-	-	-	26.5K	26.5K	-	-	
5072	-	100	36	14WF34	-	-	-	-	-	-	26.5K	157	31	3/4X3	X
5073	-	100	36	12WF27	-	-	-	-	-	-	26.5K	26.5K	-	-	
5074	27X10WF	400	36	27WF94	8	1- 3/8	-	-	54FT 0	-	152	68.7K	112	3/4X3	1
5075	27X10WF	400	36	27WF94	8	1- 3/8	-	-	54FT 0	-	68.7K	152	112	3/4X3	1
5076	33X16WF	400	36	33WF200	14-1/4	1- 3/4	-	-	54FT 0	-	150	202F	112	3/4X3	1
5077	33X16WF	400	36	33WF200	14-1/4	1- 3/4	-	-	54FT 0	-	150	99.6K	112	3/4X3	1
5078	30X15WF	400	50	30WF99	9-1/4	3/8	-	-	54FT 0	-	151	84.3K	112	3/4X3	1
5079	33X16WF	400	36	33WF200	14-1/4	1- 3/4	-	-	54FT 0	-	202F	150	112	3/4X3	1
5080	30X15WF	400	50	30WF99	9-1/4	3/8	-	-	54FT 0	-	84.3K	151	112	3/4X3	1
5081	33X16WF	400	36	33WF200	14-1/4	1- 3/4	-	-	54FT 0	-	99.6K	150	112	3/4X3	1
5082	16X8-1/2WF	400	36	16WF58	7-1/2	7/16	-	-	32FT 0	-	161	812E	62	3/4X3	
5083	27X10WF	400	50	27WF94	8	1-3/8	-	-	54FT 0	-	152	230	112	3/4X3	1
5084	27X10WF	426	36	27WF84	8	1-3/8	-	-	54FT 0	-	160	66.7K	112	3/4X3	1
5085	-	700	50	18WF55	9-1/2	1/2	-	-	SEE SUPT. DET.	-	735B	739	80	3/4X3	
5086	27X10WF	426	36	27WF84	8	1-3/8	-	-	54FT 0	-	66.7K	160	112	3/4X3	1
5087	-	700	36	16WF36	9	1/2	-	-	SEE SUPT. DET.	-	729	728	24	3/4X3	
5088	27X14WF	453	36	27WF145	12-3/4	1/2	-	-	32FT 3	-	237A	152	180	3/4X3	2
5089	24X12WF	451	36	24WF100	10-3/4	3/8	-	-	53FT 5 2FT2-7/8	-	153	48.0K	105	3/4X3	1
5090	16X8-1/2WF	456	36	16WF58	7-1/2	7/16	-	-	32FT 3	-	161	812D	62	3/4X3	
5091	16X8-1/2WF	400	36	16WF58	7-1/2	7/16	-	-	32FT 3	-	812C	161	62	3/4X3	
5092	30X15WF	427	50	30WF99	9-1/4	3/8	-	-	54FT 0	-	159	84.3K	112	3/4X3	1
5093	30X15WF	427	50	30WF99	9-1/4	3/8	-	-	54FT 0	-	84.3K	159	112	3/4X3	1
5094	33X16WF	427	36	33WF200	14-1/4	1- 3/4	-	-	54FT 0	-	159	99.6K	112	3/4X3	1
5095	33X16WF	427	36	33WF200	14-1/4	1- 3/4	-	-	54FT 0	-	99.6K	159	112	3/4X3	1
5096	27X10WF	427	36	27WF94	8	1- 3/8	-	-	54FT 0	-	160	68.7K	112	3/4X3	1
5097	33X16WF	427	36	33WF200	14-1/4	1- 3/4	-	-	54FT 0	-	159	272A	112	3/4X3	1
5098	33X16WF	427	36	33WF200	14-1/4	1- 3/4	-	-	54FT 0	-	272A	159	112	3/4X3	1
5099	27X10WF	427	36	27WF94	8	1- 3/8	-	-	54FT 0	-	68.7K	160	112	3/4X3	1

REMARKS

- 1 DIMENSION B = 20FT 3
2 DIMENSION B = 6FT 11



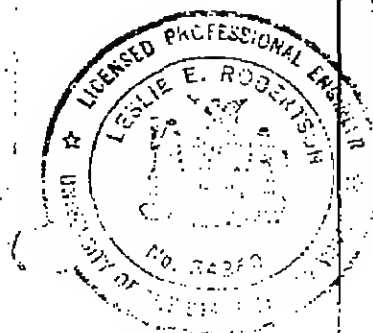
SKILLING, HELLE, CHRISTIANSEN, ROBERTSON

Structural & Civil Engineers

PROJECT					TITLE					DATE					
THE WORLD TRADE CENTER					BEAM SCHEDULE TOWERS A AND B					12/ 6/68					
BEAM NO.	SIZE	TYPE	FY	SHAPE	PLATE 1		PLATE 2		DIMENSIONS		SUPPORTS		STUOS		REMARKS
					WIDTH	THICK	WIDTH	THICK	LENGTH	DIM. A	LEFT	RIGHT	NO.	SIZE	
5100	-	100	36	16WF36	-	-	-	-	-	-	156A	28.0K	24	3/4X3	
5101	-	100	36	16WF36	-	-	-	-	-	-	28.0K	156A	24	3/4X3	
5102	16X8-1/2WF	400	36	16WF58	7-1/2	7/16	-	-	32FT 3	-	156	39.6K	62	3/4X3	2
5103	16X8-1/2WF	400	36	16WF58	7-1/2	7/16	-	-	32FT 3	-	39.6K	156	62	3/4X3	2
5104	-	100	36	16WF36	-	-	-	-	-	-	26.5K	156B	24	3/4X3	
5105	-	100	36	16WF36	-	-	-	-	-	-	26.5K	156B	24	3/4X3	X
5106	-	100	36	16WF58	-	-	-	-	-	-	156A	26.5K	38	3/4X3	
5107	27X10WF	400	50	27WF94	8	1-3/8	-	-	54FT 0	-	230	152	102	3/4X3	2
5108	30X10WF	400	36	30WF99	9	3/4	-	-	54FT 0	-	216	151	88	3/4X3	2
5109	27X10WF	400	50	27WF94	8	1-3/8	-	-	54FT 0	-	67.0K	152	102	3/4X3	2
5110	30X10WF	400	36	30WF99	9	3/4	-	-	54FT 0	-	216	151	88	3/4X3	2
5111	-	100	36	30WF116	-	-	-	-	-	-	494	494	-	-	
5112	30X10WF	400	36	30WF99	9	3/4	-	-	54FT 0	-	151	216	88	3/4X3	2
5113	-	100	36	10WF21	-	-	-	-	-	-	753	17.4K	-	-	
5114	-	700	36	12WF27	8-1/2	1/2	-	-	SEE SUPT. DET.	-	736	739	36	3/4X3	
5115	-	440	36	12B16.5	-	-	-	-	-	-	508	508	-	-	
5116	-	100	36	8B13	-	-	-	-	-	-	172C	172C	-	-	
5117	-	440	36	12B16.5	-	-	-	-	-	-	508	508	-	-	
5118	30X10WF	400	50	30WF99	9-1/4	3/8	-	-	54FT 0	-	84.3K	151	142	3/4X3	2
5119	30X10WF	400	36	30WF99	9	3/4	-	-	54FT 0	-	66.7K	151	88	3/4X3	2
5120	33X16WF	400	50	33WF200	14-1/4	1-3/4	-	-	54FT 0	-	99.6K	150	142	3/4X3	2
5121	30X10WF	400	36	30WF99	9	3/4	-	-	54FT 0	-	66.7K	151	88	3/4X3	2
5122	33X16WF	400	36	33WF200	14-1/4	1-3/4	-	-	54FT 0	-	216	150	142	3/4X3	2
5123	-	700	36	12WF27	8-1/2	1/2	-	-	SEE SUPT. DET.	-	739	738	36	3/4X3	
5124	27X10WF	400	50	27WF94	8	1-3/8	-	-	54FT 0	-	152	66.7K	112	3/4X3	2
5125	30X10WF	400	36	30WF99	9	3/4	-	-	54FT 0	-	151	66.7K	-	3/4X3	
5126	33X16WF	400	50	33WF200	14-1/4	1-3/4	-	-	54FT 0	-	150	269	142	3/4X3	2
5127	16X8-1/2WF	400	36	16WF58	7-1/2	7/16	-	-	32FT 3	-	161	50.0K	62	3/4X3	
5128	33X16WF	400	36	33WF200	14-1/4	1-3/4	-	-	54FT 0	-	150	99.6K	142	3/4X3	1
5129	30X10WF	400	50	30WF99	9-1/4	3/8	-	-	54FT 0	-	151	84.3K	142	3/4X3	2
5130	30X10WF	400	36	30WF99	9	3/4	-	-	54FT 0	-	151	66.7K	88	3/4X3	2
5131	30X15WF	426	50	30WF172	13-3/4	1/2	-	-	54FT 0	-	159	131.5K	120	3/4X3	2
5132	24X12WF	414	36	24WF100	10-3/4	3/8	-	-	52FT 0	-	48.0K	153	105	3/4X3	2
5133	24X12WF	400	36	24WF100	10-3/4	3/8	-	-	54FT 0	-	153	202D	130	3/4X3	2

REMARKS

- 1 DIMENSION B 6FT 11
2 DIMENSION B 20FT 3



SKILLING, HELLE, CHRISTIANSEN, ROBERTSON

Structural & Civil Engineers

PROJECT

THE WORLD TRADE CENTER

TITLE

BEAM SCHEDULE TOWERS A AND B

DATE

12/ 6/68

REVISIONS

BEAM NO.	SIZE	TYPE	FY	SHAPE	PLATE 1		PLATE 2		DIMENSIONS		SUPPORTS		STUDS		REMARKS
					WIDTH	THICK	WIDTH	THICK	LENGTH	DIM. A	LEFT	RIGHT	NO.	SIZE	
5134	24X12WF	400	36	24WF120	10-3/4	3/4	-	-	55FT 0		202D	153	130	3/4X3	2
5135	24X12WF	413	36	24WF100	10-3/4	3/8	-	-	52FT 0		48.0K	153	105	3/4X3	2
5136	24X12WF	400	50	24WF100	10-3/4	7/8	-	-	54FT 0		48.0K	153	142	3/4X3	2
5137	18X7-1/2WF	400	36	18WF45	6-1/4	3/8	-	-	32FT 3		155	30.6K	49	3/4X3	
5138	18X7-1/2WF	400	36	18WF45	6-1/4	3/8	-	-	32FT 3		30.6K	155	49	3/4X3	
5139	24X20WF	405	50	24WF130	20	1-3/4	-	-	54FT 0		153	164.0K	-	-	(3) 2
5140	24X20WF	405	50	24WF130	20	1-3/4	-	-	54FT 0		164.0K	153	-	-	(3) 2
5141	27X14WF	453	36	27WF145	12-3/4	1/2	-	-	32FT 3		152	320B	180	3/4X3	1
5142	27X14WF	453	36	27WF145	12-3/4	1/2	-	-	32FT 3		320A	152	180	3/4X3	1
5143	12X6B	401	36	12B16.5	6	3/8	-	-	10FT 0	-	26.5K	26.5K	52	3/4X3	(3)
5144	-	100	36	12B16.5	-	-	-	-	-	-	26.5K	26.5K	16	3/4X3	
5145	14X9WF	401	36	14WF34	9	1/2	-	-	16FT 0	-	157	28.5K	30	3/4X3	(3)
5146	14X9WF	401	36	14WF34	9	1/2	-	-	16FT 0	-	28.5K	157	30	3/4X3	3
5147	14X9WF	401	36	14WF34	9	1/2	-	-	16FT 0	-	157	28.5K	30	3/4X3	3
5148	14X9WF	401	36	14WF34	9	1/2	-	-	16FT 0	-	28.5K	157	30	3/4X3	3
5149	24X12WF	400	36	24WF100	10-3/4	3/8	-	-	54FT 0		153	48.0K	105	3/4X3	2
5150	24X12WF	400	36	24WF100	10-3/4	3/8	-	-	52FT 0		48.0K	153	105	3/4X3	2
5151	24X12WF	451	36	24WF100	10-3/4	3/8	-	-	52FT 0		48.0K	153	105	3/4X3	2
5152	24X12WF	400	36	24WF120	10-3/4	3/4	-	-	55FT 0		219A	153	130	3/4X3	2
5153	-	100	36	14B22	-	-	-	-	-	-	26.5K	26.5K	-	3/4X3	
5154	-	100	36	10B11.5	-	-	-	-	-	-	17.4K	314	-	-	
5155	-	700	36	14WF30	8-3/4	1/2	-	-	SEE SUPT. DET.		739	734B	40	3/4X3	
5156	-	700	36	14WF36	9	1/2	-	-	SEE SUPT. DET.		731	735A	48	3/4X3	
5157	-	700	36	14WF30	8-3/4	1/2	-	-	SEE SUPT. DET.		739	733A	40	3/4X3	
5158	-	100	36	14B26	-	-	-	-	-	-	26.5K	156B	24	3/4X3	
5159	-	100	36	14B26	-	-	-	-	-	-	156B	26.5K	24	3/4X3	
5160	-	700	50	16WF40	9	1/2	-	-	SEE SUPT. DET.		740	734B	52	3/4X3	
5161	-	700	36	12B16.5	6	3/8	-	-	SEE SUPT. DET.		739	739	15	3/4X3	
5162	18X8-3/4WF	400	36	18WF77	6-1/2	3/4	-	-	32FT 3		60.9K	155	102	3/4X3	
5163	18X8-3/4WF	400	36	18WF77	6-1/2	3/4	-	-	32FT 3		155	60.9K	102	3/4X3	
5164	30X15WF	454	36	30WF172	13-3/4	1/2	-	-	32FT 3		318A	151	196	3/4X3	1
5165	30X15WF	454	36	30WF172	13-3/4	1/2	-	-	32FT 3		151	318A	196	3/4X3	1
5166	-	100	36	14B31	-	-	-	-	-	-	156B	26.5K	30	3/4X3	

REMARKS

- 1 DIMENSION B 6FT 11
- 2 DIMENSION B 20FT 3

3 COVER PLATE 1 FOR 9TH FL.,
TOWER B ONLY.

* HOLD



SKILLING-HELLE-CHRISTIANSEN-ROBERTSON

Civil & Structural Engineers

PROJECT					TITLE					DATE					
THE WORLD TRADE CENTER					BEAM SCHEDULE TOWERS A AND B					1/22/68					
BEAM NO.	SIZE	TYPE	FY	SHAPE	PLATE 1		PLATE 2		DIMENSIONS		SUPPORTS		STUDS		REMARKS
					WIDTH	THICK	WIDTH	THICK	LENGTH	DIM. A	LEFT	RIGHT	NO.	SIZE	
5167	-	700	36	12WF27	8-1/2	1/2	-	-	SEE SUPT. DET.		739	738	36	3/4X3	
5168	-	700	50	18WF55	9-1/2	1/2	-	-	SEE SUPT. DET.		730	733A	72	3/4X3	
5169	-	700	50	18WF50	9-1/2	1/2	-	-	SEE SUPT. DET.		729	730	60	3/4X3	
5170	18X8-3/4WF	400	36	18WF85	7	5/8	-	-	32FT 3		155	80.0K	92	3/4X3	
5171	18X8-3/4WF	400	36	18WF85	7	1/2	-	-	32FT 3		155	69.0K	92	3/4X3	
5172	30X10WF	400	36	30WF99	9	3/4	-	-	54FT 0		151	216	88	3/4X3	1 X
5173	30X10WF	400	36	30WF99	9	3/4	-	-	54FT 0		66.7K	151	88	3/4X3	1
5174	27X12WF	401	36	27WF114	12	3/4	-	-	46FT 0		152	44.2K	88	3/4X3	
5175	30X10WF	400	36	30WF99	9	3/4	-	-	54FT 0		269	151	88	3/4X3	1
5176	-	100	36	12B16.5	-	-	-	-	-	-	26.5K	26.5K	-	-	
5177	-	700	36	12WF27	8-1/2	1/2	-	-	SEE SUPT. DET.		739	737	36	3/4X3	
5178	30X10WF	400	36	30WF99	9	3/4	-	-	54FT 0		151	66.7K	88	3/4X3	
5179	27X12WF	401	36	27WF114	12	3/4	-	-	46FT 0		44.2K	152	88	3/4X3	
5180	-	100	36	21WF55	-	-	-	-	-	-	157	26.5K	-	-	
5181	-	100	36	14B22	-	-	-	-	-	-	26.5K	157	22	3/4X3	
5182	30X15WF	402	50	30WF172	10	5/8	10	5/8	46FT 0		151	44.2K	-	-	1
5183	30X15WF	402	50	30WF172	10	5/8	10	5/8	46FT 0		44.2K	151	-	-	1
5184	30X15WF	400	36	30WF210	13-3/4	3/4	-	-	32FT 3		151	44.2K	88	3/4X3	2
5185	30X15WF	402	50	30WF172	10	5/8	10	5/8	26FT 0		44.2K	151	-	-	2
5186	-	100	36	21WF82	-	-	-	-	-	-	156	26.5K	-	-	
5187	16X7-1/2WF	400	36	16WF40	6	3/4	-	-	26FT 0		26.5K	156	70	3/4X3	
5188	-	100	36	12B16.5	-	-	-	-	-	-	26.5K	26.5K	-	-	
5189	-	700	36	12WF27	8-1/2	1/2	-	-	SEE SUPT. DET.		739	736	36	3/4X3	
5190	-	700	50	18WF55	9-1/2	1/2	-	-	SEE SUPT. DET.		739	735B	72	3/4X3	
5191	-	100	36	14B22	-	-	-	-	-	-	157	26.5K	22	3/4X3	
5192	-	442	50	30WF108	-	-	-	-	-	-	236A	154A	92	3/4X3	
5193	-	100	36	14B22	-	-	-	-	-	-	42.9	156	-	-	
5194	-	100	36	12B16.5	-	-	-	-	-	-	105	201	-	-	
5195	-	100	36	10B11.5	-	-	-	-	-	-	17.4K	17.4K	-	-	
5196	-	100	36	10B11.5	-	-	-	-	-	-	105	105	-	-	
5197	-	100	36	10B11.5	-	-	-	-	-	-	17.4K	17.4K	-	-	
5198	-	100	36	10B11.5	-	-	-	-	-	-	17.4K	17.4K	-	-	
5199	-	100	36	14B22	-	-	-	-	-	-	26.5K	26.5K	-	-	

REMARKS

- 1 DIMENSION B = 20 FT 3
- 2 DIMENSION B = 6 FT 11



SKILLING-HELLE-CHRISTIANSEN-ROBERTSON

Civil & Structural Engineers

PROJECT					TITLE							DATE			
THE WORLD TRADE CENTER					BEAM SCHEDULE TOWERS A AND B							9/15/67			
BEAM NO.	SIZE	TYPE	FY	SHAPE	PLATE 1		PLATE 2		DIMENSIONS		SUPPORTS		STUDS		REMARKS
					WIDTH	THICK	WIDTH	THICK	LENGTH	DIM. A	LEFT	RIGHT	NO.	SIZE	
5200	-	100	36	10B15	-	-	-	-	-	-	17.4K	17.4K	-	-	
5201	-	100	36	10B15	-	-	-	-	-	-	201	105	-	-	
5202	-	100	36	10B15	-	-	-	-	-	-	105	201	-	-	
5203	-	100	36	12B16.5	-	-	-	-	-	-	26.5K	26.5K	-	-	
5204	-	100	36	12B16.5	-	-	-	-	-	-	105	26.5K	-	-	
5205	-	100	36	12B16.5	-	-	-	-	-	-	105	26.5K	-	-	
5206	-	100	36	10B15	-	-	-	-	-	-	17.4K	17.4K	-	-	
5207	-	100	36	14B22	-	-	-	-	-	-	26.5K	26.5K	-	-	
5208	-	100	36	14B22	-	-	-	-	-	-	26.5K	26.5K	-	-	
5209	-	100	36	14B22	-	-	-	-	-	-	26.5K	26.5K	-	-	
5210	-	100	36	10B15	-	-	-	-	-	-	201	105	-	-	
5211	-	100	36	10B15	-	-	-	-	-	-	105	354	-	-	
5212	-	100	36	10B11.5	-	-	-	-	-	-	17.4K	17.4K	-	-	
5213	-	100	36	14B22	-	-	-	-	-	-	26.5K	26.5K	-	-	
5214	-	100	36	10B15	-	-	-	-	-	-	105	201	-	-	
5215	-	100	36	10B15	-	-	-	-	-	-	17.4K	17.4K	-	-	
5216	-	100	36	10B11.5	-	-	-	-	-	-	17.4K	17.4K	-	-	
5217	-	100	36	10B11.5	-	-	-	-	-	-	105	201	-	-	
5218	-	100	36	10WF21	-	-	-	-	-	-	101B	17.4K	-	-	
5219	-	100	36	10B11.5	-	-	-	-	-	-	17.4K	17.4K	-	-	
5220	-	100	36	10B11.5	-	-	-	-	-	-	17.4K	17.4K	-	-	
5221	-	100	36	10B15	-	-	-	-	-	-	17.4K	17.4K	-	-	
5222	-	100	36	12B16.5	-	-	-	-	-	-	26.5K	26.5K	-	-	
5223	-	100	36	16WF36	-	-	-	-	-	-	106	354	-	-	
5224	-	100	36	16WF36	-	-	-	-	-	-	106	314	-	-	
5225	-	100	36	16WF36	-	-	-	-	-	-	314	106	-	-	
5226	-	100	36	16WF36	-	-	-	-	-	-	106	106	-	-	
5227	-	100	36	24WF76	-	-	-	-	-	-	299	299	-	-	
5228	-	100	36	14B22	-	-	-	-	-	-	26.5K	26.5K	-	-	
5229	16X7 WF	400	36	16WF40	6	3/4	-	-	-	-	156	26.5K	70	3/4X3	
5230	-	100	36	16WF36	-	-	-	-	-	-	106	106	-	-	
5231	-	100	36	16WF36	-	-	-	-	-	-	106	106	-	-	
5232	-	100	36	16WF36	-	-	-	-	-	-	106	106	-	-	
5233	-	100	36	16WF36	-	-	-	-	-	-	106	106	-	-	



*HOLD

5-001-187

SKILLING-HELLE-CHRISTIANSEN-ROBERTSON

Civil & Structural Engineers

PROJECT

THE WORLD TRADE CENTER

TITLE

BEAM SCHEDULE TOWERS A AND B

DATE

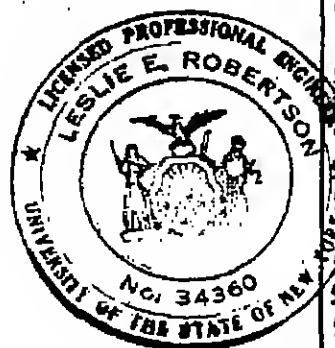
1/22/68

REVISIONS

BEAM NO.	SIZE	TYPE	FY	SHAPE	PLATE 1		PLATE 2		DIMENSIONS		SUPPORTS		STUDS		REMARKS
					WIDTH	THICK	WIDTH	THICK	LENGTH	DIM. A	LEFT	RIGHT	NO.	SIZE	
5234	-	100	36	12B16.5	-	-	-	-	-	-	106	106	-	-	
5235	-	100	36	14WF30	-	-	-	-	-	-	26.5K	26.5K	-	-	
5236	27X10WF	432	36	27WF94	8	1	-	-	44FT 7	2FT 7	160	272A	112	3/4X3	
5237	-	100	36	12B16.5	-	-	-	-	-	-	105	106	-	-	
5238	-	442	50	30WF108	-	-	-	-	-	-	154A	236A	92	3/4X3	
5239	-	100	36	12B16.5	-	-	-	-	-	-	26.5K	106	-	-	
5240	-	100	36	18WF45	-	-	-	-	-	-	106	314	-	-	
5241	-	100	36	18WF45	-	-	-	-	-	-	106	106	-	-	
5242	-	100	36	14WF30	-	-	-	-	-	-	26.5K	26.5K	-	-	
5243	-	100	36	14B22	-	-	-	-	-	-	26.5K	26.5K	-	-	
5244	16X7 WF	400	36	16WF40	6	3/4	-	-	-	-	156	26.5K	70	3/4X3	
5245	-	100	36	12B16.5	-	-	-	-	-	-	106	26.5K	-	-	
5246	-	100	36	12B16.5	-	-	-	-	-	-	26.5K	26.5K	-	-	
5247	-	100	36	12B16.5	-	-	-	-	-	-	26.5K	105	-	-	
5248	-	100	36	12B16.5	-	-	-	-	-	-	314	105	-	-	
5249	-	100	36	12B16.5	-	-	-	-	-	-	26.5K	26.5K	-	-	
5250	-	100	36	12B16.5	-	-	-	-	-	-	201	105	-	-	
5251	-	700	36	12WF27	8-1/2	1/2	-	-	SEE SUPT. DET.		738	739	22	3/4X3	
5252	-	700	36	12WF27	8-1/2	1/2	-	-	SEE SUPT. DET.		739	738	22	3/4X3	
5253	-	700	36	12WF27	8-1/2	1/2	-	-	SEE SUPT. DET.		738	739	36	3/4X3	
5254	-	700	36	12WF27	8-1/2	1/2	-	-	SEE SUPT. DET.		739	738	22	3/4X3	
5255	-	700	36	12WF27	8-1/2	1/2	-	-	SEE SUPT. DET.		736	739	36	3/4X3	
5256	-	700	36	12WF27	8-1/2	1/2	-	-	SEE SUPT. DET.		739	736	36	3/4X3	
5257	-	700	36	12WF27	8-1/2	1/2	-	-	SEE SUPT. DET.		737	739	36	3/4X3	
5258	-	700	50	16WF40	9	1/2	-	-	SEE SUPT. DET.		740	735A	52	3/4X3	
5259	-	700	36	16WF36	9	1/2	-	-	SEE SUPT. DET.		735A	732	24	3/4X3	
5260	-	700	36	16WF36	9	1/2	-	-	SEE SUPT. DET.		731	735A	24	3/4X3	
5261	-	700	50	18WF45	9-1/2	1/2	-	-	SEE SUPT. DET.		728	733A	58	3/4X3	
5262	-	700	50	16WF40	9	1/2	-	-	SEE SUPT. DET.		740	733A	52	3/4X3	
5263	-	700	50	16WF40	9	1/2	-	-	SEE SUPT. DET.		729	733A	52	3/4X3	
5264	-	700	50	18WF45	9-1/2	1/2	-	-	SEE SUPT. DET.		732	728	58	3/4X3	
5265	-	700	50	18WF45	9-1/2	1/2	-	-	SEE SUPT. DET.		739	740	58	3/4X3	
5266	-	700	50	18WF45	9-1/2	1/2	-	-	SEE SUPT. DET.		739	729	58	3/4X3	

REMARKS

1 DIMENSION 8 = 20FT 3



SKILLING, HELLE, CHRISTIANSEN, ROBERTSON

Structural & Civil Engineers

PROJECT

THE WORLD TRADE CENTER

TITLE

BEAM SCHEDULE TOWERS A AND B

DATE 12/ 6/68

REVISIONS

BEAM NO.	SIZE	TYPE	FY	SHAPE	PLATE 1		PLATE 2		DIMENSIONS		SUPPORTS		STUDS		REMARKS
					WIDTH	THICK	WIDTH	THICK	LENGTH	DIM. A	LEFT	RIGHT	NO.	SIZE	
5267	-	700	50	16WF36	9	1/2	-	-	SEE SUPT. DET.		739	740	48	3/4X3	
5268	-	700	50	16WF36	9	1/2	-	-	SEE SUPT. DET.		739	729	48	3/4X3	
5269	-	700	50	18WF60	9-1/2	1/2	-	-	SEE SUPT. DET.		732	701	82	3/4X3	
5270	-	700	50	18WF64	10-3/4	1/2	-	-	SEE SUPT. DET.		702	731	82	3/4X3	
5271	-	700	50	18WF45	9-1/2	1/2	-	-	SEE SUPT. DET.		733	728	58	3/4X3	
5272	-	700	50	16WF40	9	1/2	-	-	SEE SUPT. DET.		734B	740	52	3/4X3	X
5273	-	700	50	16WF40	9	1/2	-	-	SEE SUPT. DET.		733A	729	52	3/4X3	
5274	-	700	50	18WF45	9-1/2	1/2	-	-	SEE SUPT. DET.		728	732	58	3/4X3	
5275	-	700	50	18WF45	9-1/2	1/2	-	-	SEE SUPT. DET.		740	739	52	3/4X3	
5276	-	700	50	18WF45	9-1/2	1/2	-	-	SEE SUPT. DET.		729	739	52	3/4X3	
5277	-	700	50	16WF36	9	1/2	-	-	SEE SUPT. DET.		740	739	48	3/4X3	
5278	-	700	50	16WF36	9	1/2	-	-	SEE SUPT. DET.		729	739	48	3/4X3	
5279	-	700	50	18WF55	9-1/2	1/2	-	-	SEE SUPT. DET.		733B	739	80	3/4X3	
5280	-	700	50	18WF55	9-1/2	1/2	-	-	SEE SUPT. DET.		739	733B	72	3/4X3	
5281	-	700	50	18WF50	9-1/2	1/2	-	-	SEE SUPT. DET.		728	729	60	3/4X3	
5282	-	700	50	18WF50	9-1/2	1/2	-	-	SEE SUPT. DET.		729	729	60	3/4X3	
5283	-	700	50	18WF64	10-3/4	1/2	-	-	SEE SUPT. DET.		734A	728	58	3/4X3	
5284	-	700	50	16WF40	9	1/2	-	-	SEE SUPT. DET.		735A	740	52	3/4X3	
5285	-	700	50	18WF55	9-1/2	1/2	-	-	SEE SUPT. DET.		702	731	30	3/4X3	
5286	-	442	36	30WF108	-	-	-	-	-	-	231A	154A	100	3/4X3	
5287	-	700	50	18WF70	10-3/4	1/2	-	-	SEE SUPT. DET.		728	731	64	3/4X3	
5288	-	100	36	16WF36	-	-	-	-	-	-	26.5K	26.5K	-	-	1
5289	-	100	36	9CH13.4	-	-	-	-	-	-	17.4K	17.4K	-	-	
5290	-	100	36	9CH13.4	-	-	-	-	-	-	17.4K	17.4K	10	3/4X3	
5291	-	100	36	18WF45	-	-	-	-	-	-	28.0K	28.0K	-	-	
5292	-	100	36	12WF27	-	-	-	-	-	-	26.5K	26.5K	-	-	
5293	-	100	36	10B15	-	-	-	-	-	-	17.4K	17.4K	-	-	
5294	-	100	36	16B26	-	-	-	-	-	-	26.5K	26.5K	12	3/4X3	
5295	-	100	36	18WF50	-	-	-	-	-	-	26.5K	26.5K	40	3/4X3	
5296	-	403	50	30WF108	-	-	-	-	-	-	324B	154A	140	3/4X3	
5297	-	100	36	14WF30	-	-	-	-	-	-	26.5K	164	-	-	
5298	18X7-1/2WF	400	50	18WF60	6-1/2	3/4	-	-	27FT 0	-	54.0K	166A	56	3/4X3	
5299	-	100	36	12WF27	-	-	-	-	-	-	26.5K	155	-	-	

REMARKS

1 REINFORCE COPED BEAM END, SEE DETAIL 472A-G

* HOLD



SKILLING-HELLE-CHRISTIANSEN-ROBERTSON

Civil & Structural Engineers

PROJECT

THE WORLD TRADE CENTER

TITLE

BEAM SCHEDULE TOWERS A AND B

DATE

10/22/68

REVISIONS

BEAM NO.	SIZE	TYPE	FY	SHAPE	PLATE 1		PLATE 2		DIMENSIONS		SUPPORTS		STUDS		REMARKS
					WIDTH	THICK	WIDTH	THICK	LENGTH	OIM. A	LEFT	RIGHT	NO.	SIZE	
5300	-	100	50	21WF55	-	-	-	-	-	-	767A	101C	52	3/4X3	
5301	-	100	50	21WF55	-	-	-	-	-	-	101C	767A	52	3/4X3	
5302	-	100	50	21WF55	-	-	-	-	-	-	767A	53.0K	52	3/4X3	
5303	-	100	50	21WF55	-	-	-	-	-	-	53.0K	767A	52	3/4X3	
5304	-	100	50	21WF55	-	-	-	-	-	-	53.0K	53.0K	52	3/4X3	
5305	-	100	50	21WF55	-	-	-	-	-	-	101C	53.0K	52	3/4X3	
5306	-	100	50	21WF55	-	-	-	-	-	-	53.0K	101C	52	3/4X3	
5307	-	100	50	21WF62	-	-	-	-	-	-	53.0K	53.0K	58	3/4X3	
5308	-	100	50	21WF62	-	-	-	-	-	-	101C	53.0K	58	3/4X3	
5309	-	100	50	21WF62	-	-	-	-	-	-	53.0K	101C	58	3/4X3	
5310	-	100	50	24WF68	-	-	-	-	-	-	102C	102C	64	3/4X3	
5311	-	100	50	21WF55	-	-	-	-	-	-	53.0K	766A	52	3/4X3	
5312	-	100	36	10WF21	-	-	-	-	-	-	770	17.4K	20	3/4X3	
5313	-	100	36	10WF21	-	-	-	-	-	-	769	17.4K	20	3/4X3	
5314	-	100	36	10WF21	-	-	-	-	-	-	765	17.4K	20	3/4X3	
5315	-	100	36	10WF21	-	-	-	-	-	-	17.4K	770	20	3/4X3	
5316	-	100	36	10WF21	-	-	-	-	-	-	17.4K	769	20	3/4X3	
5317	-	100	36	10WF21	-	-	-	-	-	-	17.4K	765	20	3/4X3	
5318	-	100	50	21WF62	-	-	-	-	-	-	767A	101C	58	3/4X3	
5319	-	100	50	21WF62	-	-	-	-	-	-	101C	767A	58	3/4X3	
5320	-	100	50	21WF55	-	-	-	-	-	-	766A	53.0K	52	3/4X3	
5321	-	100	50	21WF68	-	-	-	-	-	-	101C	101C	64	3/4X3	
5322	-	100	36	10WF21	-	-	-	-	-	-	770	102C	20	3/4X3	
5323	-	100	36	10WF21	-	-	-	-	-	-	102C	770	20	3/4X3	
5324	-	100	50	24WF68	-	-	-	-	-	-	102C	772A	64	3/4X3	
5325	-	100	50	24WF68	-	-	-	-	-	-	172A	102C	64	3/4X3	
5326	-	100	50	24WF76	-	-	-	-	-	-	767B	48.0K	70	3/4X3	
5327	-	100	50	24WF76	-	-	-	-	-	-	766B	48.0K	70	3/4X3	
5328	-	100	50	21WF62	-	-	-	-	-	-	772A	44.2K	58	3/4X3	
5329	-	100	36	10WF21	-	-	-	-	-	-	17.4K	751A	-	-	
5330	18X7-1/2WF	400	50	18WF60	6	3/4	-	-	26FT 0	-	166C	467A	90	3/4X3	
5331	-	100	50	12WF79	-	-	-	-	-	-	101B	101B	-	-	
5332	-	100	36	8B13	-	-	-	-	-	-	17.4K	17.4K	-	-	
5333	-	100	50	12WF79	-	-	-	-	-	-	101B	750B	-	-	

SKILLING-HELLE-CHRISTIANSEN-ROBERTSON

Civil & Structural Engineers

PROJECT

THE WORLD TRADE CENTER

TITLE

BEAM SCHEDULE TOWERS A AND B

DATE

7/17/68

REVISIONS

BEAM NO.	SIZE	TYPE	FY	SHAPE	PLATE 1		PLATE 2		DIMENSIONS		SUPPORTS		STUDS		REMARKS
					WIDTH	THICK	WIDTH	THICK	LENGTH	DIM. A	LEFT	RIGHT	NO.	SIZE	
5334	-	100	50	12WF92	-	-	-	-	-	-	101B	101B	-	-	(2)
5335	-	467	36	12WF45	-	-	-	-	-	-	102B	751B	-	-	
5336	-	100	36	10WF45	-	-	-	-	-	-	26.5K	751B	-	-	
5337	-	100	36	10WF21	-	-	-	-	-	-	17.4K	17.4K	-	-	
5338	-	700	50	18WF45	9-1/2	1/2	-	-	SEE SUPT. DET.	-	733B	740	60	3/4X3	(1)
5339	-	100	36	12WF45	-	-	-	-	-	-	26.5K	752B	-	-	
5340	-	100	36	10WF25	-	-	-	-	-	-	17.4K	753	-	-	
5341	-	100	36	12WF45	-	-	-	-	-	-	26.5K	750A	-	-	
5342	-	100	36	10WF21	-	-	-	-	-	-	17.4K	753	-	-	(1)
5343	12X12WF	400	50	12WF79	10	1/2	-	-	20FT 0	-	751B	101B	-	-	
5344	-	100	36	12WF45	-	-	-	-	-	-	172A	102B	-	-	
5345	-	100	36	12WF27	-	-	-	-	-	-	111A	102B	-	-	
5346	-	100	36	10WF21	-	-	-	-	-	-	102B	102B	-	-	(1)
5347	-	700	36	14WF34	8-3/4	1/2	-	-	SEE SUPT. DET.	-	739	739	44	3/4X3	
5348	-	100	50	12WF92	-	-	-	-	-	-	47.1K	751B	-	-	
5349	-	100	36	8B15	-	-	-	-	-	-	17.4K	753	-	-	
5350	18X7-1/2WF	400	50	18WF60	6	3/4	-	-	26FT 0	-	467A	166C	90	3/4X3	(1)
5351	-	100	36	12B16.5	-	-	-	-	-	-	508	508	-	-	
5352	-	100	36	12B16.5	-	-	-	-	-	-	508	508	-	-	
5353	-	700	36	14WF34	8-3/4	1/2	-	-	SEE SUPT. DET.	-	739	739	44	3/4X3	
5354	-	100	50	24WF76	-	-	-	-	-	-	766A	47.1K	58	3/4X3	(1)
5355	-	100	36	8B13	-	-	-	-	-	-	508	17.4K	-	-	
5356	-	100	36	12B14	-	-	-	-	-	-	170G	755	-	-	
5357	-	100	36	8B13	-	-	-	-	-	-	17.4K	753	-	-	
5358	-	100	36	8B13	-	-	-	-	-	-	170G	755	-	-	(1)
5359	-	100	36	12B19	-	-	-	-	-	-	508	508	-	-	
5360	-	100	36	8B13	-	-	-	-	-	-	526A	527A	-	-	
5361	-	100	36	8B13	-	-	-	-	-	-	527A	526A	-	-	
5362	-	100	36	8B13	-	-	-	-	-	-	753	526A	-	-	(1)
5363	-	100	36	12WF45	-	-	-	-	-	-	26.5K	26.5K	-	-	
5364	-	100	36	12WF53	-	-	-	-	-	-	26.5K	26.5K	-	-	
5365	-	700	36	16WF40	9	1/2	-	-	SEE SUPT. DET.	-	740	739	52	3/4X3	
5366	-	100	36	12WF45	-	-	-	-	-	-	26.5K	26.5K	-	-	(1)

REMARKS

1. USE BEAM TYPE 467 AT COL. 245 ONLY.
REVISION AFTER FABRICATION.
2. BEAM TYPE 467, REVISION AFTER FABRICATION.

* HOLD



SKILLING, HELLE, CHRISTIANSEN, ROBERTSON

Structural & Civil Engineers

PROJECT THE WORLD TRADE CENTER					TITLE		BEAM SCHEDULE TOWERS A AND B						DATE 1/10/69			
BEAM NO.	SIZE	TYPE	FY	SHAPE	PLATE 1		PLATE 2		DIMENSIONS		SUPPORTS		STUDS		REMARKS	
					WIDTH	THICK	WIDTH	THICK	LENGTH	DIM. A	LEFT	RIGHT	NO.	SIZE		
5367	-	100	36	12WF53	-	-	-	-	-	-	26.5K	26.5K	-	-		
5368	-	100	36	14WF68	-	-	-	-	-	-	26.5K	164	74	3/4X3		
5369	-	442	36	30WF108	-	-	-	-	-	-	373A	154A	92	3/4X3		
5370	-	100	36	14WF68	-	-	-	-	-	-	164	26.5K	74	3/4X3		
5371	-	442	36	30WF108	-	-	-	-	-	-	154A	373A	92	3/4X3		
5372	-	100	36	9CH13.4	-	-	-	-	-	-	17.4K	17.4K	-	-		
5373	-	100	36	10WF21	-	-	-	-	-	-	102B	102B	-	-		
5374	-	100	36	12WF120	-	-	-	-	-	-	47.1K	760B	-	-		
5375	-	100	36	12WF79	-	-	-	-	-	-	102B	102B	-	-		
5376	-	100	36	18WF45	-	-	-	-	-	-	26.5K	26.5K	-	-		
5377	-	100	36	18WF45	-	-	-	-	-	-	26.5K	26.5K	-	-		
5378	16X7 WF	400	36	16WF40	6	3/4	-	-	-	-	26.5K	156	70	3/4X3		
5379	-	100	36	9CH13.4	-	-	-	-	-	-	17.4K	17.4K	10	3/4X3		
5380	-	100	36	18WF45	-	-	-	-	-	-	26.5K	26.5K	42	3/4X3		
5381	-	100	36	14WF30	-	-	-	-	-	-	26.5K	26.5K	28	3/4X3		
5382	-	100	36	12WF27	-	-	-	-	-	-	26.5K	26.5K	-	-		
5383	30X10-1/2WF	400	50	30WF108	8	1-9/16	-	-	32FT	3	230	151	192	3/4X3	2	
5384	-	100	36	8WF58	-	-	-	-	-	-	515B	515B	20	3/4X3		
5385	-	100	36	8WF58	-	-	-	-	-	-	515B	515C	20	3/4X3		
5386	-	100	36	8WF58	-	-	-	-	-	-	515D	515C	14	3/4X3H		
5387	-	100	36	8WF58	-	-	-	-	-	-	515D	515B	14	3/4X3H		
5388	-	100	50	12WF79	-	-	-	-	-	-	101B	756B	-	-		
5389	30X10-1/2WF	400	50	30WF108	8	1-9/16	-	-	32FT	3	151	230	192	3/4X3	2	
5390	-	100	36	8WF58	-	-	-	-	-	-	515B	515A	20	3/4X3H		
5391	-	100	36	12B19	-	-	-	-	-	-	113A	113B	-	-		
5392	-	100	36	12B19	-	-	-	-	-	-	50B	113B	-	-		
5393	-	100	36	8B13	-	-	-	-	-	-	17.4K	17.4K	-	-		
5394	27X10WF	400	36	27WF84	8-1/2	1- 1/8	-	-	54FT	0	152	64.0K	105	3/4X3	1	
5395	27X10WF	400	36	27WF84	8-3/4	7/8	-	-	54FT	0	64.0K	152	105	3/4X3	1	
5396	27X10WF	400	36	27WF94	8	1	-	-	54FT	0	152	202F	112	3/4X3	1	
5397	27X10WF	400	36	27WF94	8	1	-	-	54FT	0	152	209B	112	3/4X3	1	
5398	27X10WF	400	36	27WF94	8	1	-	-	54FT	0	202F	152	112	3/4X3	1	
5399	27X10WF	400	36	27WF94	8	1	-	-	54FT	0	202F	152	112	3/4X3	1	

REMARKS

- 1 DIMENSION B 20FT 3
 2 DIMENSION B 6FT 11
 * HOLD



SKILLING, HELLE, CHRISTIANSEN, ROBERTSON

Structural & Civil Engineers

PROJECT

THE WORLD TRADE CENTER

TITLE

BEAM SCHEDULE TOWERS A AND B

DATE

11/22/68

REVISIONS

BEAM NO.	SIZE	TYPE	FY	SHAPE	PLATE 1		PLATE 2		DIMENSIONS		SUPPORTS		STUDS		REMARKS
					WIDTH	THICK	WIDTH	THICK	LENGTH	DIM. A	LEFT	RIGHT	NO.	SIZE	
5400	27X10WF	400	36	27WF84	8-3/4	3/8	-	-	54FT 6	-	152	62.7K	88	3/4X3	1
5401	27X10WF	400	36	27WF84	8-3/4	3/8	-	-	54FT 6	-	62.7K	152	88	3/4X3	1
5402	-	100	36	12B19	-	-	-	-	-	-	26.5K	26.5K	-	-	-
5403	27X10WF	433	36	27WF84	8	1 -3/8	-	-	46FT 7	2FT 7	66.7K	160	112	3/4X3	1
5404	27X10WF	418	36	27WF94	8	1	-	-	54FT 0	-	272	160	110	3/4X3	-
5405	-	100	36	9CH13.4	-	-	-	-	-	-	17.4K	17.4K	-	-	X
5406	27X10WF	433	36	27WF94	8	1	-	-	46FT 7	2FT 7	272A	160	110	3/4X3	1
5407	-	100	36	12B19	-	-	-	-	-	-	26.5K	26.5K	-	-	-
5408	-	100	36	9CH13.4	-	-	-	-	-	-	17.4K	17.4K	-	-	-
5409	-	100	36	9CH13.4	-	-	-	-	-	-	17.4K	17.4K	-	-	-
5410	-	100	36	12B16.5	-	-	-	-	-	-	106	314	-	-	-
5411	-	100	36	9CH13.4	-	-	-	-	-	-	17.4K	17.4K	10	3/4X3	-
5412	-	100	36	9CH13.4	-	-	-	-	-	-	17.4K	17.4K	-	-	-
5413	-	100	36	9CH13.4	-	-	-	-	-	-	17.4K	17.4K	10	3/4X3	-
5414	-	100	36	9CH13.4	-	-	-	-	-	-	17.4K	17.4K	-	-	-
5415	-	444	50	30WF108	-	-	-	-	-	-	167	324A	92	3/4X3	-
5416	-	100	50	14WF30	-	-	-	-	-	-	169	26.5K	26	3/4X3	-
5417	18X7-1/2WF	400	50	18WF45	6-1/2	3/4	-	-	-	-	26.5K	26.5K	150	3/4X3	-
5418	-	100	50	14WF30	-	-	-	-	-	-	26.5K	26.5K	30	3/4X3	-
5419	-	100	50	12WF27	-	-	-	-	-	-	26.5K	26.5K	30	3/4X3	-
5420	-	100	36	12WF27	-	-	-	-	-	-	172B	26.5K	15	3/4X3	-
5421	-	447	36	30WF99	-	-	-	-	-	-	64.5K	167	92	3/4X3	2
5422	-	100	36	18WF45	-	-	-	-	-	-	26.5K	168B	50	3/4X3	-
5423	-	100	50	14WF30	-	-	-	-	-	-	26.5K	169	26	3/4X3	-
5424	-	100	36	12WF27	-	-	-	-	-	-	26.5K	26.5K	30	3/4X3	-
5425	18X7-1/2WF	400	50	18WF45	6-1/2	3/4	-	-	27FT 0	-	168A	50.0K	92	3/4X3	-
5426	-	444	50	30WF108	-	-	-	-	-	-	324A	167	92	3/4X3	-
5427	18X7-1/2WF	400	50	18WF50	6-1/2	1/2	-	-	27FT 0	-	50.0K	168A	92	3/4X3	-
5428	-	100	50	14WF30	-	-	-	-	-	-	26.5K	169	34	3/4X3	-
5429	-	100	50	30WF99	-	-	-	-	-	-	44.2K	44.2K	70	3/4X2 1/2	-
5430	-	100	36	12B16.5	-	-	-	-	-	-	105	327	-	-	-
5431	-	457	50	30WF116	-	-	-	-	-	-	321A	167	92	3/4X3	-
5432	-	100	50	8B13	-	-	-	-	-	-	17.4K	17.4K	-	-	-
5433	-	100	50	8B13	-	-	-	-	-	-	17.4K	17.4K	-	-	-

REMARKS

- 1 DIMENSION B 20FT 3
- 2 NO STUDS ON SIDE OF FLANGE ADJACENT TO OPENING BETWEEN COORDINATES 26'-8 3/4 AND 36'-8 1/2



SKILLING-HELLE-CHRISTIANSEN-ROBERTSON

Civil & Structural Engineers

PROJECT					TITLE						DATE				
THE WORLD TRADE CENTER					BEAM SCHEDULE TOWERS A AND B						1/22/68				
BEAM NO.	SIZE	TYPE	FY	SHAPE	PLATE 1		PLATE 2		DIMENSIONS		SUPPORTS		STUDS		REMARKS
					WIDTH	THICK	WIDTH	THICK	LENGTH	DIM. A	LEFT	RIGHT	NO.	SIZE	
5434	-	100	50	16B31	-	-	-	-	-	-	26.5K	26.5K	-	-	
5435	-	100	50	12WF27	-	-	-	-	-	-	26.5K	26.5K	-	-	
5436	-	100	50	12WF27	-	-	-	-	-	-	26.5K	26.5K	-	-	
5437	-	100	50	12WF27	-	-	-	-	-	-	26.5K	26.5K	-	-	
5438	-	100	50	14B22	-	-	-	-	-	-	26.5K	26.5K	-	-	
5439	24X9WF	100	50	24WF76	7-1/2	3/8	-	-	30FT 0	-	393A	162	92	3/4X3	
5440	24X9WF	100	50	24WF76	7-1/2	3/8	-	-	30FT 0	-	202E	162	92	3/4X3	
5441	24X9WF	100	50	24WF76	7-1/2	3/8	-	-	30FT 0	-	202E	162	92	3/4X3	
5442	24X9WF	100	50	24WF76	7-1/2	3/8	-	-	30FT 0	-	393B	162	92	3/4X3	
5443	-	100	50	10B19	-	-	-	-	-	-	493A	17.4K	-	-	
5444	-	100	50	10B17	-	-	-	-	-	-	493A	17.4K	-	-	
5445	-	100	50	16B31	-	-	-	-	-	-	26.5K	26.5K	-	-	
5446	30X15WF	426	50	30WF172	13-3/4	1/2	-	-	54FT 0	-	131.5K	159	120	3/4X3	
5447	-	403	50	30WF108	-	-	-	-	-	-	154	322A	92	3/4X3	
5448	-	403	50	30WF108	-	-	-	-	-	-	322A	154	92	3/4X3	
5449	-	100	36	16WF36	-	-	-	-	-	-	161A	26.5K	24	3/4X3	
5450	-	100	50	27WF94	-	-	-	-	-	-	44.2K	44.2K	122	3/4X3	
5451	-	100	50	36WF135	-	-	-	-	-	-	53.0K	53.0K	174	3/4X3	
5452	-	100	50	36WF135	-	-	-	-	-	-	53.0K	53.0K	174	3/4X3	
5453	27X12WF	401	36	27WF114	12	3/4	-	-	-	-	44.2K	152	-	-	
5454	18X7-1/2WF	400	50	18WF60	6	3/4	-	-	26FT 0	-	467A	166C	92	3/4X3	
5455	-	100	50	14WF30	-	-	-	-	-	-	26.5K	165	26	3/4X3	
5456	-	100	36	16WF36	-	-	-	-	-	-	161A	28.0K	24	3/4X3	
5457	18X7-1/2WF	400	50	18WF60	6	3/4	-	-	26FT 0	-	166C	467A	92	3/4X3	
5458	-	100	36	12WF27	-	-	-	-	-	-	26.5K	26.5K	30	3/4X3	
5459	-	100	36	14WF30	-	-	-	-	-	-	26.5K	26.5K	30	3/4X3	
5460	-	403	50	30WF108	-	-	-	-	-	-	324A	154	92	3/4X3	
5461	18X7-1/2WF	400	50	18WF60	6	3/4	-	-	26FT 0	-	50.0K	166C	92	3/4X3	
5462	-	100	50	14WF30	-	-	-	-	-	-	165	26.5K	26	3/4X3	
5463	-	100	36	9CH13.4	-	-	-	-	-	-	17.4K	17.4K	10	3/4X3	
5464	-	100	36	9CH13.4	-	-	-	-	-	-	17.4K	17.4K	-	-	
5465	-	100	36	12WF27	-	-	-	-	-	-	26.5K	26.5K	-	-	
5466	-	100	36	14WF30	-	-	-	-	-	-	26.5K	26.5K	30	3/4X3	

REMARKS

1 DIMENSION B = 20FT 3



SKILLING-HELLE-CHRISTIANSEN-ROBERTSON

Civil & Structural Engineers

PROJECT	TITLE	DATE
THE WORLD TRADE CENTER	DEAN SCHEDULE TOWERS A AND B	1/24/68

REVISIONS

DEAN NO.	SIZE	TYPE	FY	SHAPE	PLATE 1		PLATE 2		DIMENSIONS		LOADING		NO.	SIZE	REMARKS
					WIDTH	THICK	WIDTH	THICK	LENGTH	DIM. A	LEFT	RIGHT			
5467	-	403	50	30WF108	-	-	-	-	-	-	154	231A	32	3/4X3	
5468	18X7-1/2WF	400	50	18WF60	6	3/4	-	-	26FT 0	-	166C	50.0K	92	3/4X3	
5469	-	100	36	9CH13.4	-	-	-	-	-	-	17.4K	17.4K	10	3/4X3	
5470	-	100	36	12WF27	-	-	-	-	-	-	26.5K	26.5K	-	-	
5471	-	100	50	14WF30	-	-	-	-	-	-	164	26.5K	26	3/4X3	
5472	-	100	36	16WF40	-	-	-	-	-	-	26.5K	26.5K	-	-	
5473	-	403	50	30WF108	-	-	-	-	-	-	154A	231A	164	3/4X3	
5474	-	100	36	12B16.5	-	-	-	-	-	-	26.5K	26.5K	-	-	
5475	-	100	50	18WF45	-	-	-	-	-	-	50.0K	166D	68	3/4X3	
5476	-	100	36	12WF27	-	-	-	-	-	-	26.5K	26.5K	-	-	
5477	-	100	36	9CH13.4	-	-	-	-	-	-	17.4K	17.4K	-	-	
5478	-	100	36	14WF30	-	-	-	-	-	-	164	26.5K	26	3/4X3	
5479	-	100	36	30WF99	-	-	-	-	-	-	50.0K	50.0K	-	-	
5480	-	443	50	30WF99	-	-	-	-	-	-	154	63.0K	150	3/4X3	
5481	-	443	50	30WF99	-	-	-	-	-	-	154	63.0K	150	3/4X3	
5482	-	442	50	30WF108	-	-	-	-	-	-	154	231A	164	3/4X3	
5483	-	100	36	9CH13.4	-	-	-	-	-	-	17.4K	17.4K	10	3/4X3	
5484	-	100	36	12WF27	-	-	-	-	-	-	26.5K	26.5K	-	-	
5485	-	100	50	14WF30	-	-	-	-	-	-	26.5K	164	26	3/4X3	
5486	-	100	36	16WF40	-	-	-	-	-	-	26.5K	26.5K	-	-	
5487	-	100	36	9CH13.4	-	-	-	-	-	-	17.4K	17.4K	-	-	
5488	-	403	50	30WF108	-	-	-	-	-	-	231A	154A	164	3/4X3	
5489	-	100	36	8B13	-	-	-	-	-	-	17.4K	17.4K	12	3/4X3	
5490	-	100	36	16WF36	-	-	-	-	-	-	161A	29.8K	29	3/4X3	
5491	-	100	36	12WF27	-	-	-	-	-	-	26.5K	26.5K	-	-	
5492	-	100	50	14WF30	-	-	-	-	-	-	26.5K	164	34	3/4X3	
5493	18X7-1/2WF	400	50	18WF45	6-1/2	7/8	-	-	26FT 0	-	54.1K	166A	56	3/4X3	
5494	-	100	50	18WF45	-	-	-	-	-	-	40.0K	166B	168	3/4X3	
5495	-	443	50	30WF99	-	-	-	-	-	-	63.0K	154A	150	3/4X3	
5496	-	100	36	12B19	-	-	-	-	-	-	26.5K	26.5K	-	-	
5497	-	100	36	16B26	-	-	-	-	-	-	456A	462A	-	-	
5498	-	100	36	12B19	-	-	-	-	-	-	26.5K	26.5K	-	-	
5499	-	100	36	14B22	-	-	-	-	-	-	170C	455B	-	-	



SKILLING, HELLE, CHRISTIANSEN, ROBERTSON

Structural & Civil Engineers

PROJECT		THE WORLD TRADE CENTER				TITLE		BEAM SCHEDULE TOWERS A AND B				DATE		11/22/68	
BEAM NO.	SIZE	TYPE	FY	SHAPE	PLATE 1		PLATE 2		DIMENSIONS		SUPPORTS		STUOS		REMARKS
					WIDTH	THICK	WIDTH	THICK	LENGTH	DIM. A	LEFT	RIGHT	NO.	SIZE	
5500	-	100	36	27WF102	-	-	-	-	-	-	152	66.3K	95	3/4X3	
5501	27X10WF	430	36	27WF84	8	1- 3/8	-	-	54FT 0	-	160	66.7K	112	3/4X3	1
5502	27X10WF	428	36	27WF84	8	1- 3/8	-	-	54FT 0	-	66.7K	160	112	3/4X3	1
5503	27X10WF	427	36	27WF84	8	1- 3/8	-	-	54FT 0	-	66.7K	160	112	3/4X3	1
5504	27X10WF	427	36	27WF84	8	1- 3/8	-	-	54FT 0	-	160	66.7K	112	3/4X3	1
5505	-	100	36	27WF94	-	-	-	-	-	-	220	220	-	-	
5506	27X10WF	400	36	27WF84	8-3/4	7/8	-	-	54FT 0	-	152	62.0K	88	3/4X3	1
5507	27X10WF	400	36	27WF84	8-3/4	7/8	-	-	54FT 0	-	152	64.2K	105	3/4X3	1
5508	27X10WF	431	36	27WF84	8	1- 3/8	-	-	54FT 0	-	160	66.7K	112	3/4X3	1
5509	27X10WF	429	36	27WF84	8	1- 3/8	-	-	54FT 0	-	66.7K	160	112	3/4X3	1
5510	27X14WF	453	36	27WF145	12-3/4	1/2	-	-	32FT 3	-	237B	152	180	3/4X3	2
5511	-	100	50	12B19	-	-	-	-	-	-	26.5K	26.5K	30	3/4X3	
5512	-	100	36	10WF21	-	-	-	-	-	-	26.5K	26.5K	15	3/4X3	
5513	-	100	50	12B19	-	-	-	-	-	-	26.5K	26.5K	-	-	
5514	-	100	36	8B13	-	-	-	-	-	-	455B	17.4K	-	-	
5515	-	100	36	14B22	-	-	-	-	-	-	26.5K	26.5K	30	3/4X3	
5516	-	100	50	16B26	-	-	-	-	-	-	26.5K	26.5K	30	3/4X3	
5517	-	100	50	12B19	-	-	-	-	-	-	26.5K	26.5K	30	3/4X3	
5518	-	100	50	18WF45	-	-	-	-	-	-	166D	40.0K	68	3/4X3	
5519	27X10WF	400	50	27WF84	9	1	-	-	30FT 0	-	202D	162	106	3/4X3	
5520	-	100	36	27WF102	-	-	-	-	-	-	66.3K	152	95	3/4X3	
5521	27X10WF	432	36	27WF84	8	1- 3/8	-	-	44FT 7	2FT 7	160	66.7K	112	3/4X3	1
5522	27X10WF	400	50	27WF84	9	1	-	-	30FT 0	-	202D	162	106	3/4X3	
5523	-	100	36	12B16.5	-	-	-	-	-	-	26.5K	26.5K	-	-	
5524	-	100	36	16WF36	-	-	-	-	-	-	26.5K	156	-	-	
5525	-	100	36	16WF36	-	-	-	-	-	-	26.5K	156	35	3/4X3	
5526	-	100	36	16WF36	-	-	-	-	-	-	156B	26.5K	24	3/4X3	
5527	-	100	36	16WF36	-	-	-	-	-	-	156A	26.5K	24	3/4X3	
5528	-	100	36	16WF36	-	-	-	-	-	-	156B	26.5K	24	3/4X3	
5529	-	100	36	12WF27	-	-	-	-	-	-	26.5K	26.5K	-	-	
5530	-	100	36	16WF36	-	-	-	-	-	-	156A	29.8K	29	3/4X3	
5531	-	100	36	16WF36	-	-	-	-	-	-	28.0K	161A	24	3/4X3	
5532	-	100	36	16WF36	-	-	-	-	-	-	28.3K	161A	29	3/4X3	
5533	-	100	36	14WF30	-	-	-	-	-	-	26.5K	26.5K	-	-	

REMARKS

- 1 DIMENSION B 20FT 3
2 DIMENSION B 6FT 11



SKILLING, HELLE, CHRISTIANSEN, ROBERTSON

Structural & Civil Engineers

PROJECT	TITLE	DATE
THE WORLD TRADE CENTER	BEAM SCHEDULE TOWERS A AND B	12/ 6/88

REVISIONS

BEAM NO.	SIZE	TYPE	FY	SHAPE	PLATE 1		PLATE 2		DIMENSIONS		SUPPORTS		STUDS		REMARKS
					WIDTH	THICK	WIDTH	THICK	LENGTH	DIM. A	LEFT	RIGHT	NO.	SIZE	
5534	-	100	36	14WF30	-	-	-	-	-	-	26.5K	26.5K	-	-	
5535	-	100	36	8E13	-	-	-	-	-	-	17.4K	163	14	3/4X3	
5536	27X14WF	453	36	27WF145	12-3/4	1-1/2	-	-	32FT 0	-	152	237A	194	3/4X3	2
5537	30X15WF	400	50	30WF172	13-3/4	1/2	-	-	54FT 0	-	151	131.5K	120	5/4X3	1
5538	27X10WF	400	36	27WF94	8	1-3/8	-	-	54FT 0	-	152	67.0K	112	3/4X3	1
5539	27X10WF	400	36	27WF84	8	1-3/8	-	-	54FT 0	-	152	66.7K	112	3/4X3	1
5540	30X15WF	400	50	30WF99	9-1/4	3/8	-	-	54FT 0	-	151	84.3K	112	3/4X3	1
5541	33X16WF	400	36	33WF200	14-1/4	1-3/4	-	-	54FT 0	-	150	99.6K	112	3/4X3	1
5542	27X10WF	400	36	27WF94	8	1-3/8	-	-	54FT 0	-	152	68.7K	112	3/4X3	1
5543	33X16WF	400	36	33WF200	14-1/4	1-3/4	-	-	54FT 0	-	150	335L	112	3/4X3	1
5544	-	100	36	10WF21	-	-	-	-	-	-	17.4K	17.4K	-	-	
5545	-	100	36	16WF36	-	-	-	-	-	-	26.5K	156A	24	3/4X3	
5546	-	100	36	16WF36	-	-	-	-	-	-	26.5K	156A	24	3/4X3	
5547	-	100	36	16WF36	-	-	-	-	-	-	26.5K	156B	24	3/4X3	
5548	30X15WF	400	50	30WF172	13-3/4	1/2	-	-	54FT 0	-	131.5K	151	120	3/4X3	1
5549	27X10WF	400	36	27WF94	8	1-3/8	-	-	54FT 0	-	67.0K	152	112	3/4X3	1
5550	27X10WF	400	36	27WF84	8	1-3/8	-	-	54FT 0	-	66.7K	152	112	3/4X3	1
5551	27X10WF	400	36	27WF94	8	1	-	-	54FT 0	-	219A	152	112	3/4X3	1
5552	33X16WF	400	36	33WF200	14-1/4	1-3/4	-	-	54FT 0	-	219B	150	112	3/4X3	1
5553	27X10WF	400	36	27WF94	8	1-3/8	-	-	54FT 0	-	68.7K	152	112	3/4X3	1
5554	33X16WF	400	36	33WF200	14-1/4	1-3/4	-	-	54FT 0	-	99.6K	150	112	3/4X3	1
5555	30X15WF	400	50	30WF99	9-1/4	3/8	-	-	54FT 0	-	84.3K	151	112	3/4X3	1
5556	-	100	36	14WF30	-	-	-	-	-	-	26.5K	26.5K	-	-	
5557	-	100	36	10WF21	-	-	-	-	-	-	17.4K	760A	-	-	
5558	-	100	36	10WF21	-	-	-	-	-	-	17.4K	761A	-	-	
5559	-	100	36	8B15	-	-	-	-	-	-	17.4K	759	-	-	
5560	-	100	36	14WF30	-	-	-	-	-	-	26.5K	26.5K	-	-	
5561	30X10-1/2WF	453	50	30WF108	8	1-9/16	-	-	32FT 3	-	151	320A	124	3/4X3	2
5562	30X10-1/2WF	453	50	30WF108	8	1-9/16	-	-	32FT 3	-	320A	151	124	3/4X3	2
5563	-	100	36	12WF27	-	-	-	-	-	-	26.5K	26.5K	-	-	
5564	30X10-1/2WF	453	50	30WF108	8	1-9/16	-	-	32FT 3	-	151	318A	124	3/4X3	2
5565	16X8-1/2WF	400	36	16WF58	7-1/2	7/16	-	-	32FT 3	-	156A	39.6K	62	3/4X3	
5566	30X10-1/2WF	453	50	30WF108	8	1-9/16	-	-	32FT 3	-	318A	151	124	3/4X3	2

REMARKS

- 1 DIMENSION B 20FT 3
2 DIMENSION B 6FT 11



SKILLING-HELLE-CHRISTIANSEN-ROBERTSON

Civil & Structural Engineers

PROJECT

THE WORLD TRADE CENTER

TITLE

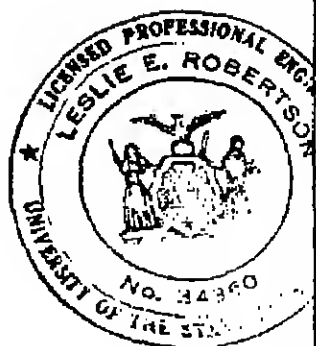
SEAD SCHEDULE TOWERS A AND B

DATE

1/22/68

REVISIONS

SEAD NO.	SIZE	TYPE	FY	SHAPE	PLATE 1		PLATE 2		DIMENSIONS		SUPPORTS		SCODS		REMARKS
					WIDTH	THICK	WIDTH	THICK	LENGTH	DIM. A	LEFT	RIGHT	NO.	SIZE	
5567	16X8-1/2WF	400	36	16WF58	7-1/2	7/16	-	-	32FT	3	39.6K	156A	62	3/4X3	
5568	-	100	50	12WF99	-	-	-	-	-	-	751B	47.1K	-	-	
5569	-	100	36	16WF34	-	-	-	-	-	-	26.5K	161A	24	3/4X3	
5570	-	100	50	33WF130	-	-	-	-	-	-	53.0K	53.0K	196	3/4X3	
5571	-	100	50	33WF118	-	-	-	-	-	-	53.0K	53.0K	178	3/4X3	
5572	-	100	50	30WF116	-	-	-	-	-	-	44.2K	44.2K	176	3/4X3	
5573	-	100	50	30WF99	-	-	-	-	-	-	44.2K	44.2K	150	3/4X3	
5574	-	100	50	30WF99	-	-	-	-	-	-	44.2K	44.2K	150	3/4X3	
5575	-	100	50	27WF94	-	-	-	-	-	-	44.2K	44.2K	122	3/4X3	
5576	16X8-1/2WF	400	36	16WF58	7-1/2	7/16	-	-	32FT	3	39.6K	161	62	3/4X3	
5577	-	100	36	14WF34	-	-	-	-	-	-	26.5K	157	31	3/4X3	
5578	-	100	36	14WF34	-	-	-	-	-	-	157	26.5K	31	3/4X3	
5579	-	100	50	12WF92	-	-	-	-	-	-	47.1K	760B	-	-	
5580	-	100	50	12WF99	-	-	-	-	-	-	752B	47.1K	-	-	
5581	-	100	36	10WF21	-	-	-	-	-	-	17.4K	17.4K	-	-	
5582	-	100	36	16WF36	-	-	-	-	-	-	28.3K	156A	29	3/4X3	
5583	-	100	36	10WF21	-	-	-	-	-	-	17.4K	17.4K	-	-	
5584	16X8-1/2WF	400	36	16WF58	7-1/2	7/16	-	-	30FT	9	161	39.6K	62	3/4X3	
5585	-	403	50	30WF108	-	-	-	-	-	-	324A	154A	164	3/4X3	
5586	-	403	50	30WF108	-	-	-	-	-	-	154A	324A	164	3/4X3	
5587	-	442	50	30WF108	-	-	-	-	-	-	324A	154A	164	3/4X3	
5588	-	442	50	30WF108	-	-	-	-	-	-	154	324A	164	3/4X3	
5589	-	100	50	30WF99	-	-	-	-	-	-	44.2K	44.2K	128	3/4X3	
5590	-	100	50	30WF99	-	-	-	-	-	-	44.2K	44.2K	128	3/4X3	
5591	-	100	50	27WF94	-	-	-	-	-	-	44.2K	44.2K	122	3/4X3	
5592	-	100	50	27WF94	-	-	-	-	-	-	44.2K	44.2K	122	3/4X3	
5593	-	100	36	10WF21	-	-	-	-	-	-	17.4K	17.4K	-	-	
5594	-	100	50	12WF79	-	-	-	-	-	-	760B	47.1K	-	-	
5595	-	100	50	12WF79	-	-	-	-	-	-	761B	47.1K	-	-	
5596	-	100	50	12WF106	-	-	-	-	-	-	760B	47.1K	-	-	
5597	-	100	50	12WF106	-	-	-	-	-	-	761B	47.1K	-	-	
5598	-	100	50	12WF85	-	-	-	-	-	-	47.1K	761B	-	-	
5599	-	100	36	12B19	-	-	-	-	-	-	26.5K	26.5K	-	-	



SKILLING, HELLE, CHRISTIANSEN, ROBERTSON

Structural & Civil Engineers

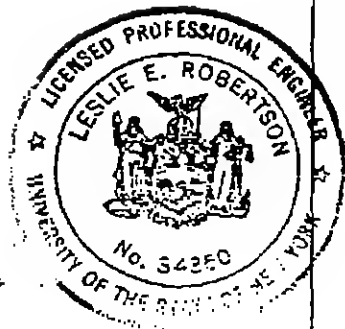
PROJECT	THE WORLD TRADE CENTER	TITLE	BEAM SCHEDULE TOWERS A AND B	DATE	12/ 6/68
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REVISIONS

BEAM NO.	SIZE	TYPE	FY	SHAPE	PLATE 1		PLATE 2		DIMENSIONS		SUPPORTS		STUDS		REMARKS
					WIDTH	THICK	WIDTH	THICK	LENGTH	DIM. A	LEFT	RIGHT	NO.	SIZE	
5600	-	100	50	12WF120	-	-	-	-	-	-	102B	172A	-	-	
5601	-	100	36	8B15	-	-	-	-	-	-	75S	17.4K	-	-	
5602	-	100	36	10WF21	-	-	-	-	-	-	760A	17.4K	-	-	
5603	-	100	36	10WF21	-	-	-	-	-	-	761A	17.4K	-	-	
5604	-	100	36	10WF21	-	-	-	-	-	-	760A	102B	-	-	
5605	-	100	50	12WF106	-	-	-	-	-	-	760B	70.7K	-	-	X
5606	-	100	50	12WF65	-	-	-	-	-	-	761B	54.1K	-	-	
5607	-	100	50	12WF120	-	-	-	-	-	-	172A	102B	-	-	
5608	-	100	50	10WF25	-	-	-	-	-	-	102B	760A	-	-	1
5609	-	100	50	12WF85	-	-	-	-	-	-	760B	1010	-	-	
5611	-	100	50	12WF92	-	-	-	-	-	-	54.1K	760B	-	-	
5612	-	100	50	12WF92	-	-	-	-	-	-	101B	760B	-	-	
5613	-	100	50	12WF53	-	-	-	-	-	-	760B	54.1K	-	-	
5614	-	100	50	12WF65	-	-	-	-	-	-	760B	101B	-	-	
5615	-	100	50	12WF72	-	-	-	-	-	-	760B	101B	-	-	
5616	-	100	50	12WF72	-	-	-	-	-	-	760B	54.1K	-	-	
5617	-	100	50	12WF65	-	-	-	-	-	-	761B	54.1K	-	-	
5618	-	100	50	12WF65	-	-	-	-	-	-	760B	54.1K	-	-	
5619	-	100	50	12WF53	-	-	-	-	-	-	761B	54.1K	-	-	
5620	-	100	36	12WF53	-	-	-	-	-	-	760B	101B	-	-	
5621	-	100	50	12WF79	-	-	-	-	-	-	102B	102B	-	-	
5622	-	100	50	12WF92	-	-	-	-	-	-	102B	102B	-	-	
5623	-	100	50	12WF79	-	-	-	-	-	-	47.1K	761B	-	-	
5624	-	100	50	12WF79	-	-	-	-	-	-	47.1K	760B	-	-	
5625	-	100	50	12WF53	-	-	-	-	-	-	54.1K	760B	-	-	
5626	-	100	50	12WF53	-	-	-	-	-	-	101B	760B	-	-	
5627	-	100	50	12WF79	-	-	-	-	-	-	101B	760B	-	-	
5628	-	100	50	12WF85	-	-	-	-	-	-	101B	760B	-	-	
5629	-	100	50	12WF79	-	-	-	-	-	-	54.1K	761B	-	-	
5630	-	100	50	12WF53	-	-	-	-	-	-	54.1K	761B	-	-	
5631	-	100	36	10B15	-	-	-	-	-	-	76S	17.4K	14	3/4XB	
5632	-	100	36	10B15	-	-	-	-	-	-	17.4K	76S	14	3/4XB	

REMARKS

1 FOR TOWER B, FLOOR ELEV. 294, AT COL. 218, USE FY=36



PROJECT		THE WORLD TRADE CENTER			TITLE		BEAM SCHEDULE TOWERS A AND B				DATE		10/18/68		
BEAM NO.	SIZE	TYPE	FY	SHAPE	PLATE 1		PLATE 2		DIMENSIONS		SUPPORTS		STUDS		REMARKS
					WIDTH	THICK	WIDTH	THICK	LENGTH	DIM. A	LEFT	RIGHT	NO.	SIZE	
5634	-	10C	36	8B13	-	-	-	-	-	-	54.1K	759	-	-	
5635	-	10C	36	8B15	-	-	-	-	-	-	758	17.4K	-	-	
5636	-	10C	36	8B15	-	-	-	-	-	-	17.4K	758	-	-	
5637	-	10C	36	8B15	-	-	-	-	-	-	758	17.4K	-	-	
5638	-	10C	36	10WF21	-	-	-	-	-	-	757A	17.4K	-	-	
5639	-	10C	36	10WF21	-	-	-	-	-	-	756A	17.4K	-	-	
5640	-	10C	36	10WF21	-	-	-	-	-	-	756A	102B	-	-	
5641	-	10C	36	12WF27	-	-	-	-	-	-	26.5K	758	-	-	
5642	-	10C	36	12WF27	-	-	-	-	-	-	26.5K	756A	-	-	
5643	-	10C	36	10WF21	-	-	-	-	-	-	17.4K	756A	-	-	
5644	-	10C	36	10WF21	-	-	-	-	-	-	102B	756A	-	-	
5645	-	10C	50	12WF58	-	-	-	-	-	-	757B	54.1K	-	-	
5646	-	10C	50	12WF58	-	-	-	-	-	-	756B	54.1K	-	-	
5647	-	10C	50	12WF58	-	-	-	-	-	-	756B	101B	-	-	
5648	-	10C	50	12WF58	-	-	-	-	-	-	101B	101B	-	-	
5649	-	10C	50	12WF58	-	-	-	-	-	-	54.1K	54.1K	-	-	
5650	-	10C	50	12WF58	-	-	-	-	-	-	101B	54.1K	-	-	
5651	-	10C	50	12WF50	-	-	-	-	-	-	54.1K	54.1K	-	-	
5652	-	10C	50	12WF50	-	-	-	-	-	-	101B	54.1K	-	-	
5653	-	10C	36	10WF21	-	-	-	-	-	-	17.4K	757A	-	-	
5654	-	10C	50	12WF79	-	-	-	-	-	-	102B	102B	-	-	
5655	-	10C	50	12WF120	-	-	-	-	-	-	102B	172A	-	-	
5656	-	10C	36	14B22	-	-	-	-	-	-	26.5K	26.5K	-	-	
5657	-	10C	36	27WF102	-	-	-	-	-	-	230	152	-	3/4x3	
5658	-	10C	50	12WF58	-	-	-	-	-	-	101B	756B	-	-	
5659	-	10C	50	12WF58	-	-	-	-	-	-	54.1K	756B	-	-	
5660	-	10C	50	12WF65	-	-	-	-	-	-	101B	756B	-	-	
5661	-	10C	50	12WF58	-	-	-	-	-	-	101B	101B	-	-	
5662	-	10C	50	12WF58	-	-	-	-	-	-	54.1K	54.1K	-	-	
5663	-	10C	50	12WF58	-	-	-	-	-	-	54.1K	101B	-	-	
5664	-	10C	50	12WF50	-	-	-	-	-	-	54.1K	54.1K	-	-	
5665	-	10C	50	12WF50	-	-	-	-	-	-	54.1K	101B	-	-	
5666	-	10C	50	12WF120	-	-	-	-	-	-	102B	172A	-	-	

SKILLING, HELLE, CHRISTIANSEN, ROBERTSON

Structural & Civil Engineers

PROJECT

THE WORLD TRADE CENTER

TITLE

BEAM SCHEDULE TOWERS A AND B

DATE

12/ 6/68

REVISIONS

BEAM NO.	SIZE	TYPE	FY	SHAPE	PLATE 1		PLATE 2		DIMENSIONS		SUPPORTS		STUDS		REMARKS
					WIDTH	THICK	WIDTH	THICK	LENGTH	DIM. A	LEFT	RIGHT	NO.	SIZE	
5667	-	100	50	12WF120	-	-	-	-	-	-	172A	102B	-	-	
5668	-	100	50	12WF92	-	-	-	-	-	-	102B	102B	-	-	
5669	-	100	50	12WF79	-	-	-	-	-	-	102B	102B	-	-	
5670	-	100	50	12WF79	-	-	-	-	-	-	54.1K	757B	-	-	
5671	-	100	50	12WF79	-	-	-	-	-	-	54.1K	756B	-	-	
5672	-	100	36	8B15	-	-	-	-	-	-	753	17.4K	-	-	X
5673	-	100	36	8B15	-	-	-	-	-	-	753	17.4K	-	-	
5674	-	100	36	10WF21	-	-	-	-	-	-	750A	17.4K	-	-	
5675	-	100	36	10WF21	-	-	-	-	-	-	751A	17.4K	-	-	
5676	-	100	36	10WF21	-	-	-	-	-	-	751A	102B	-	-	
5677	-	100	36	8B15	-	-	-	-	-	-	17.4K	753	-	-	
5678	-	100	36	8B13	-	-	-	-	-	-	17.4K	17.4K	-	-	
5679	-	100	36	10WF25	-	-	-	-	-	-	17.4K	750A	-	-	
5680	-	100	36	10WF21	-	-	-	-	-	-	17.4K	752A	-	-	
5681	-	100	36	10WF21	-	-	-	-	-	-	102B	751A	-	-	
5682	-	100	50	12WF79	-	-	-	-	-	-	750B	101B	-	-	
5683	-	100	50	12WF72	-	-	-	-	-	-	751B	47.1K	-	-	
5684	-	100	50	12WF72	-	-	-	-	-	-	752B	101B	-	-	
5685	-	100	50	12WF79	-	-	-	-	-	-	101B	101B	-	-	
5686	-	100	50	12WF72	-	-	-	-	-	-	54.1K	54.1K	-	-	
5687	-	100	50	12WF72	-	-	-	-	-	-	101B	54.1K	-	-	
5688	-	100	50	12WF65	-	-	-	-	-	-	54.1K	54.1K	-	-	
5689	-	100	50	12WF65	-	-	-	-	-	-	101B	54.1K	-	-	
5690	-	100	50	12WF85	-	-	-	-	-	-	102B	102B	-	-	
5691	-	100	50	12WF85	-	-	-	-	-	-	102B	102B	-	-	
5692	-	100	36	12WF106	-	-	-	-	-	-	102B	111B	-	-	
5693	-	100	50	12WF85	-	-	-	-	-	-	102B	102B	-	-	
5694	-	100	50	12WF106	-	-	-	-	-	-	111B	102B	-	-	
5695	-	100	50	12WF79	-	-	-	-	-	-	101B	750B	-	-	
5696	-	100	50	12WF72	-	-	-	-	-	-	54.1K	751B	-	-	
5697	-	100	50	12WF72	-	-	-	-	-	-	101B	752B	-	-	
5698	-	100	50	12WF79	-	-	-	-	-	-	101B	101B	-	-	
5699	-	100	50	12WF72	-	-	-	-	-	-	54.1K	54.1K	-	-	



Structural & Civil Engineers

THE WORLD TRADE CENTER

BEAM SCHEDULE TOWERS A AND B

DATE : 12/ 6/68

BEAM NO.	SIZE	TYPE	FY	SHAPE	PLATE 1		PLATE 2		DIMENSIONS		SUPPORTS		STUDS		REMARKS
					WIDTH	THICK	WIDTH	THICK	LENGTH	DIM. A	LEFT	RIGHT	NO.	SIZE	
5700	-	100	50	12WF72	-	-	-	-	-	-	54.1K	101B	-	-	
5701	-	100	50	12WF65	-	-	-	-	-	-	54.1K	54.1K	-	-	
5702	-	100	50	12WF65	-	-	-	-	-	-	54.1K	101B	-	-	
5703	-	100	50	12WF85	-	-	-	-	-	-	102B	102B	-	-	
5704	-	100	50	12WF92	-	-	-	-	-	-	752B	47.1K	-	-	
5705	-	100	50	12WF92	-	-	-	-	-	-	47.1K	752B	-	-	
5706	-	100	50	18WF45	-	-	-	-	-	-	166B	40.0K	68	3/4X3	
5707	-	100	36	16WF36	-	-	-	-	-	-	156	26.5K	-	3/4X3	
5708	-	100	36	10WF21	-	-	-	-	-	-	752A	17.4K	-	-	
5709	-	100	50	12WF92	-	-	-	-	-	-	751B	47.1K	-	-	
5710	-	100	36	10WF25	-	-	-	-	-	-	17.4K	751A	-	-	
5711	-	100	36	10WF89	-	-	-	-	-	-	102B	760B	-	-	
5712	-	100	36	12WF45	-	-	-	-	-	-	172A	102B	-	-	
5713	-	100	50	12WF79	-	-	-	-	-	-	54.1K	756B	-	-	
5714	-	100	50	12WF79	-	-	-	-	-	-	54.1K	757B	-	-	
5715	-	100	36	8B13	-	-	-	-	-	-	17.4K	17.4K	-	-	
5716	-	100	36	12WF65	-	-	-	-	-	-	101B	760B	-	3/4X3	
5717	18X7-1/2WF	400	50	18WF60	6-1/2	7/8	-	-	26FT 0	-	166A	54.1K	88	3/4X3	
5718	-	403	50	30WF108	-	-	-	-	-	-	154A	324B	164	3/4X3	
5719	-	100	50	14WF30	-	-	-	-	-	-	164	26.5K	30	3/4X3	
5720	18X7-1/2WF	400	50	18WF60	6-1/2	7/8	-	-	26FT 0	-	166A	54.1K	88	3/4X3	
5721	-	100	50	18WF45	-	-	-	-	-	-	166B	40.0K	68	3/4X3	
5722	-	443	36	30WF99	-	-	-	-	-	-	154	63.0K	88	3/4X3	
5723	-	100	36	14WF30	-	-	-	-	-	-	165	26.5K	30	3/4X3	
5724	-	443	36	30WF99	-	-	-	-	-	-	154	63.0K	88	3/4X3	
5725	-	442	50	30WF108	-	-	-	-	-	-	154A	228B	164	3/4X3	
5726	-	100	36	24WF84	-	-	-	-	-	-	55.0K	55.0K	-	-	
5727	-	100	36	12WF27	-	-	-	-	-	-	26.5K	26.5K	-	-	
5728	-	100	36	9CH13.4	-	-	-	-	-	-	17.4K	17.4K	10	3/4X3	
5729	-	100	36	10CH25	-	-	-	-	-	-	249C	249C	-	-	
5730	-	100	50	18WF45	-	-	-	-	-	-	35.3K	35.3K	-	-	
5731	-	100	36	12WF27	-	-	-	-	-	-	26.5K	26.5K	-	-	
5732	-	100	50	18WF45	-	-	-	-	-	-	40.0K	166B	68	3/4X3	
5733	-	442	50	30WF108	-	-	-	-	-	-	228B	154A	164	3/4X3	

REMARKS

**1 USE BEAM TYPE 467 AT COL. 239, TOWER A ONLY.
REVISION AFTER FABRICATION.**



SKILLING, HELLE, CHRISTIANSEN, ROBERTSON

Structural & Civil Engineers

PROJECT	TITLE	DATE
THE WORLD TRADE CENTER	BEAM SCHEDULE TOWERS A AND B	12/ 6/68

REVISIONS

BEAM NO.	SIZE	TYPE	FY	SHAPE	PLATE 1		PLATE 2		DIMENSIONS		SUPPORTS		STUDS		REMARKS
					WIDTH	THICK	WIDTH	THICK	LENGTH	DIM. A	LEFT	RIGHT	NO.	SIZE	
5734	-	100	36	14WF30	-	-	-	-	-	-	26.5K	164	30	3/4X3	
5735	-	443	36	30WF99	-	-	-	-	-	-	63.0K	154	88	3/4X3	
5736	-	443	36	30WF99	-	-	-	-	-	-	63.0K	154A	88	3/4X3	
5737	-	100	36	12WF27	-	-	-	-	-	-	26.5K	26.5K	-	-	
5738	-	403	50	30WF108	-	-	-	-	-	-	253A	154	92	3/4X3	
5739	-	100	50	21WF55	-	-	-	-	-	-	40.0K	40.0K	76	3/4X3	
5740	-	444	50	30WF108	-	-	-	-	-	-	167	324B	164	3/4X3	
5741	-	100	50	14WF30	-	-	-	-	-	-	169	26.5K	26	3/4X3	
5742	18X7-1/2WF	400	50	18WF60	6	3/4	-	-	26FT 0	-	168A	50.0K	88	3/4X3	
5743	-	100	36	9CH13.4	-	-	-	-	-	-	17.4K	17.4K	-	-	
5744	-	100	36	9CH13.4	-	-	-	-	-	-	17.4K	17.4K	10	3/4X3	
5745	-	100	50	18WF45	-	-	-	-	-	-	26.5K	26.5K	30	3/4X3	
5746	-	100	36	14WF30	-	-	-	-	-	-	26.5K	26.5K	30	3/4X3	
5747	-	444	50	30WF108	-	-	-	-	-	-	324B	167	92	3/4X3	
5748	-	100	50	14WF30	-	-	-	-	-	-	26.5K	169	26	3/4X3	
5749	18X7-1/2WF	400	50	18WF60	6	3/4	-	-	26FT 0	-	50.0K	168A	88	3/4X3	
5750	-	100	36	9CH13.4	-	-	-	-	-	-	17.4K	17.4K	-	-	
5751	-	100	36	9CH13.4	-	-	-	-	-	-	17.4K	17.4K	10	3/4X3	
5752	-	100	36	14WF30	-	-	-	-	-	-	26.5K	26.5K	30	3/4X3	
5753	-	100	50	18WF45	-	-	-	-	-	-	26.5K	26.5K	30	3/4X3	
5754	-	100	50	18WF45	-	-	-	-	-	-	26.5K	168B	50	3/4X3	
5755	18X8-1/2WF	400	50	18WF60	8-1/2	3/4	-	-	26FT 0	-	64.5K	168A	100	3/4X3	1
5756	-	100	50	14WF30	-	-	-	-	-	-	26.5K	169	26	3/4X3	
5757	18X8-1/2WF	400	50	18WF60	8-1/2	3/4	-	-	26FT 0	-	64.5K	168A	88	3/4X3	
5758	-	448	50	30WF108	-	-	-	-	-	-	228A	167	92	3/4X3	
5759	-	443	50	30WF99	-	-	-	-	-	-	63.0K	154	150	3/4X3	
5760	-	403	50	30WF108	-	-	-	-	-	-	154	253A	92	3/4X3	
5761	-	100	50	21WF94	-	-	-	-	-	-	44.2K	44.2K	70	3/4X2	1/2
5762	-	100	36	9CH13.4	-	-	-	-	-	-	17.4K	17.4K	-	-	
5763	-	100	36	9CH13.4	-	-	-	-	-	-	17.4K	17.4K	10	3/4X3	
5764	-	100	36	14WF30	-	-	-	-	-	-	26.5K	26.5K	30	3/4X3	
5765	-	100	50	18WF45	-	-	-	-	-	-	26.5K	26.5K	30	3/4X3	
5766	-	403	50	30WF108	-	-	-	-	-	-	324B	154	92	3/4X3	

REMARKS

1 NO STUDS ON SIDE OF FLANGE ADJACENT TO
OPENING BETWEEN COORDINATES 26'-6" AND
36'-9" 3/4



SKILLING, HELLE, CHRISTIANSEN, ROBERTSON

Structural & Civil Engineers

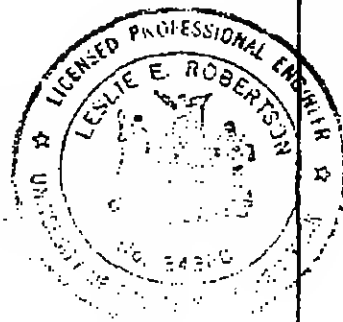
PROJECT	TITLE	DATE
THE WORLD TRADE CENTER	BEAM SCHEDULE TOWERS A AND B	12/ 6/68

REVISIONS

BEAM NO.	SIZE	TYPE	FY	SHAPE	PLATE 1		PLATE 2		DIMENSIONS		SUPPORTS		STUDS		REMARKS
					WIDTH	THICK	WIDTH	THICK	LENGTH	DIM. A	LEFT	RIGHT	NO.	SIZE	
5767	-	100	50	14WF30	-	-	-	-	-	-	26.5K	165	26	3/4X3	
5768	18X7-1/2WF	400	50	18WF60	6	3/4	-	-	26FT 0	-	50.0K	166C	90	3/4X3	
5769	-	403	50	30WF108	-	-	-	-	-	-	154	324B	92	3/4X3	
5770	-	100	50	14WF30	-	-	-	-	-	-	165	26.5K	26	3/4X3	
5771	18X7-1/2WF	400	50	18WF60	6	3/4	-	-	26FT 0	-	166C	50.0K	90	3/4X3	
5772	-	100	36	9CH13.4	-	-	-	-	-	-	17.4K	17.4K	-	-	
5773	-	100	36	9CH13.4	-	-	-	-	-	-	17.4K	17.4K	10	3/4X3	
5774	-	100	36	14WF30	-	-	-	-	-	-	26.5K	26.5K	30	3/4X3	
5775	-	100	50	18WF45	-	-	-	-	-	-	26.5K	26.5K	30	3/4X3	
5776	16X8-1/2WF	400	50	16WF58	7-1/2	1/2	-	-	32FT 3	-	156A	41.6K	66	3/4X3	
5777	16X8-1/2WF	400	50	16WF58	7-1/2	1/2	-	-	32FT 3	-	156A	41.6K	66	3/4X3	
5778	16X8-1/2WF	400	50	16WF58	7-1/2	1/2	-	-	32FT 3	-	156A	41.6K	66	3/4X3	
5779	-	100	36	8WF24	-	-	-	-	-	-	17.4K	17.4K	16	3/4X3	
5780	-	100	36	8WF24	-	-	-	-	-	-	17.4K	17.4K	16	3/4X3	
5781	-	100	36	14WF34	-	-	-	-	-	-	157	26.5K	31	3/4X3	
5782	-	415	50	12WF85	-	-	-	-	-	19FT 4	70.7K	101B	-	-	1
5783	-	415	50	12WF92	-	-	-	-	-	19FT 4	70.7K	101B	-	-	1
5784	-	415	50	12WF92	-	-	-	-	-	22FT 0	101B	101B	-	-	1
5785	-	415	50	12WF92	-	-	-	-	-	20FT 4	70.7K	70.7K	-	-	1
5786	-	415	50	12WF85	-	-	-	-	-	19FT 4	70.7K	70.7K	-	-	1
5787	-	100	50	12WFB5	-	-	-	-	-	-	70.7K	70.7K	-	-	
5788	-	100	50	12WF53	-	-	-	-	-	-	54.1K	101B	-	-	
5789	-	100	50	12WF50	-	-	-	-	-	-	54.1K	54.1K	-	-	
5790	-	100	50	12WF50	-	-	-	-	-	-	54.1K	101B	-	-	
5791	16X7 WF	400	36	16WF40	6	3/4	-	-	-	-	26.5K	156	70	3/4X3	
5792	-	100	50	12WF58	-	-	-	-	-	-	70.0K	101B	-	-	
5793	-	100	50	12WF58	-	-	-	-	-	-	54.1K	54.1K	-	-	
5794	-	100	50	12WF72	-	-	-	-	-	-	101B	101B	-	-	
5795	-	100	36	27WF102	-	-	-	-	-	-	152	230	-	3/4X3	
5796	-	100	36	14WF34	-	-	-	-	-	-	157	26.5K	31	3/4X3	
5797	-	100	36	27WF102	-	-	-	-	-	-	152	44.2K	-	3/4X3	
5798	-	100	36	27WF102	-	-	-	-	-	-	44.2K	152	-	3/4X3	
5799	-	100	36	27WF102	-	-	-	-	-	-	152	44.2K	-	3/4X3	

REMARKS

- 1 WEB OPENINGS SCHEDULED BY BEAM TYPE ARE REV. AFTER FABRICATION.



SKILLING-HELLE-CHRISTIANSEN-ROBERTSON

Civil & Structural Engineers

PROJECT					TITLE					DATE					
THE WORLD TRADE CENTER					BEAM SCHEDULE TOWERS A AND B					7/17/68					
BEAM NO.	SIZE	TYPE	FY	SHAPE	PLATE 1		PLATE 2		DIMENSIONS		SUPPORTS		STUDS		REMARKS
					WIDTH	THICK	WIDTH	THICK	LENGTH	DIM. A	LEFT	RIGHT	NO.	SIZE	
5800	-	100	36	27WF102	-	-	-	-	-	-	44.2K	152	-	3/4X3	
5801	30X10-1/2WF	400	36	30WF116	9	3/4	-	-	55FT 0	-	151	44.2K	-	-	
5802	30X10-1/2WF	400	36	30WF116	9	3/4	-	-	55FT 0	-	44.2K	44.2K	-	-	
5803	-	100	36	12B16.5	-	-	-	-	-	-	26.5K	26.5K	-	3/4X3	
5804	-	100	36	12B16.5	-	-	-	-	-	-	26.5K	26.5K	-	3/4X3	
5805	-	100	36	18WF50	-	-	-	-	-	-	155	26.5K	63	3/4X3	
5806	-	100	36	18WF50	-	-	-	-	-	-	26.5K	155	63	3/4X3	
5807	30X10-1/2WF	400	36	30WF116	9	3/4	-	-	32FT 3	-	151	230	-	3/4X3	
5808	30X10-1/2WF	400	36	30WF116	9	3/4	-	-	32FT 3	-	230	151	-	3/4X3	
5809	-	100	36	16WF36	-	-	-	-	-	-	161A	26.5K	24	3/4X3	
5810	-	100	36	16WF36	-	-	-	-	-	-	26.5K	161A	24	3/4X3	
5811	30X10WF	400	36	30WF99	9	3/4	-	-	54FT 0	-	151	289	88	3/4X3	2
5812	27X12WF	401	36	27WF114	12	3/4	-	-	-	-	152	44.2K	-	-	
5813	30X10-1/2WF	455	50	30WF108	8	1- 9/16	-	-	32FT 3	-	159	271A	124	3/4X3	1
5814	30X10-1/2WF	455	50	30WF108	8	1- 9/16	-	-	32FT 3	-	271A	159	124	3/4X3	1
5815	-	100	36	21WF55	-	-	-	-	-	-	35.3K	35.3K	-	-	
5816	-	100	36	21WF55	-	-	-	-	-	-	35.3K	35.3K	-	-	
5817	33X11-1/2WF	405	50	33WF118	10	3/4	10	3/4	55FT 0	-	53.0K	53.0K	-	-	
5818	33X11-1/2WF	405	50	33WF118	10	3/4	10	3/4	55FT 0	-	53.0K	53.0K	-	-	
5819	-	100	36	18WF45	-	-	-	-	-	-	30.0K	30.0K	-	-	
5820	-	417	50	12WF99	-	-	-	-	-	-	102B	102B	-	-	3
5821	16X8-1/2WF	400	36	16WF58	7-1/2	7/16	-	-	32FT 3	-	161	234B	62	3/4X3	
5822	-	100	50	12WF79	-	-	-	-	-	-	102B	102B	-	-	
5823	-	100	50	12WF85	-	-	-	-	-	-	47.1K	760B	-	-	
5824	-	100	50	12WF85	-	-	-	-	-	-	102B	102B	-	-	
5825	-	416	50	12WF85	-	-	-	-	-	19FT 1	101B	70.7K	-	-	3
5826	-	416	50	12WF65	-	-	-	-	-	24FT 4	101B	54.1K	-	-	3
5827	-	416	50	12WF65	-	-	-	-	-	24FT 4	54.1K	54.1K	-	-	3
5828	-	416	50	12WF106	-	-	-	-	-	17FT 4	101D	101B	-	-	3
5829	-	100	50	12WF50	-	-	-	-	-	-	101B	54.1K	-	-	3
5830	-	100	50	12WF58	-	-	-	-	-	-	101B	54.1K	-	-	
5831	-	100	50	12WF50	-	-	-	-	-	-	54.1K	54.1K	-	-	
5832	-	100	50	10WF89	-	-	-	-	-	-	47.1K	760B	-	-	
5833	-	416	50	10WF54	-	-	-	-	-	13FT 4	47.1K	47.1K	-	-	3

REMARKS

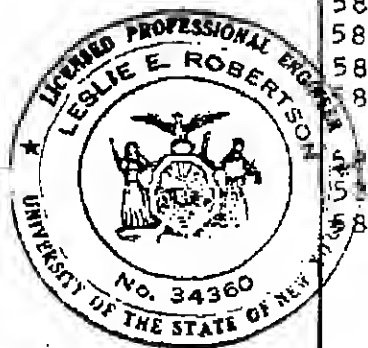
- 1 DIMENSION B 6FT 11
- 2 DIMENSION B 20FT 3
- 3 WEB OPENINGS SCHEDULED BY BEAM TYPE ARE REV. AFTER FABRICATION

* HOLD

SKILLING-HELLE-CHRISTIANSEN-ROBERTSON

Civil & Structural Engineers

PROJECT					TITLE					DATE					
THE WORLD TRADE CENTER					BEAM SCHEDULE TOWERS A AND B					1/22/68					
BEAM NO.	SIZE	TYPE	FY	SHAPE	PLATE 1		PLATE 2		DIMENSIONS		SUPPORTS		STUDS		REMARKS
					WIDTH	THICK	WIDTH	THICK	LENGTH	DIM. A	LEFT	RIGHT	NO.	SIZE	
5834	-	100	36	12B16.5	-	-	-	-	-	-	111H	283J	-	-	X
5835	-	100	36	12B16.5	-	-	-	-	-	-	283J	111H	-	-	
5836	-	100	36	12B16.5	-	-	-	-	-	-	26.5K	26.5K	-	-	
5837	-	100	36	12B16.5	-	-	-	-	-	-	238B	238B	-	-	
5838	-	100	36	12B16.5	-	-	-	-	-	-	26.5K	26.5K	-	-	
5839	-	100	36	12B16.5	-	-	-	-	-	-	111H	111H	-	-	
5840	-	100	36	10B15	-	-	-	-	-	-	17.4K	17.4K	-	-	
5841	-	100	36	10WF21	-	-	-	-	-	-	17.4K	17.4K	-	-	
5842	-	100	36	10WF21	-	-	-	-	-	-	503B	513A	-	-	
5843	-	100	36	12B16.5	-	-	-	-	-	-	26.5K	26.5K	-	-	
5844	-	100	36	12B19	-	-	-	-	-	-	26.5K	26.5K	-	-	
5845	-	100	36	12B16.5	-	-	-	-	-	-	26.5K	111H	-	-	
5846	-	100	36	12B16.5	-	-	-	-	-	-	111H	26.5K	-	-	
5847	-	100	36	12B16.5	-	-	-	-	-	-	111H	26.5K	-	-	
5848	-	100	36	12B16.5	-	-	-	-	-	-	26.5K	111H	-	-	
5849	-	100	36	12B16.5	-	-	-	-	-	-	26.5K	26.5K	-	-	
5850	-	100	36	12B16.5	-	-	-	-	-	-	106C	111H	-	-	
5851	-	100	36	12B16.5	-	-	-	-	-	-	217A	217A	-	-	
5852	-	100	36	14B22	-	-	-	-	-	-	283I	26.5K	-	-	
5853	-	100	36	14B22	-	-	-	-	-	-	111A	26.5K	-	-	
5854	-	100	36	14B22	-	-	-	-	-	-	26.5K	283J	-	-	
5855	-	100	36	12B16.5	-	-	-	-	-	-	111H	26.5K	-	-	
5856	-	100	36	14B22	-	-	-	-	-	-	111H	111H	-	-	
5857	-	100	36	14B22	-	-	-	-	-	-	26.5K	111H	-	-	
5858	-	100	36	12B16.5	-	-	-	-	-	-	111H	26.5K	-	-	
5859	-	100	36	12WF27	-	-	-	-	-	-	26.5K	350B	-	-	
5860	-	100	36	12B16.5	-	-	-	-	-	-	26.5K	111H	-	-	
5861	-	100	36	12B16.5	-	-	-	-	-	-	350B	350A	-	-	
5862	-	100	36	12WF27	-	-	-	-	-	-	350A	26.5K	-	-	
5863	-	100	36	10WF33	-	-	-	-	-	-	457A	503B	-	-	
5864	-	100	36	8B13	-	-	-	-	-	-	503B	283I	-	-	
5865	-	100	36	8B13	-	-	-	-	-	-	111H	503B	-	-	
5866	-	100	36	8B13	-	-	-	-	-	-	17.4K	17.4K	-	-	



SKILLING-HELLE-CHRISTIANSEN-ROBERTSON

Civil & Structural Engineers

PROJECT		THE WORLD TRADE CENTER				TITLE		BEAM SCHEDULE TOWERS A AND B				DATE		7/17/68	
BEAM NO.	SIZE	TYPE	FY	SHAPE	PLATE 1		PLATE 2		DIMENSIONS		SUPPORTS		STUDS		REMARKS
					WIDTH	THICK	WIDTH	THICK	LENGTH	DIM. A	LEFT	RIGHT	NO.	SIZE	
5867	-	100	36	8B13	-	-	-	-	-	-	529A	503B	-	-	
5868	-	100	36	8WF17	-	-	-	-	-	-	111H	503B	-	-	
5869	-	100	36	8WF17	-	-	-	-	-	-	111H	529A	-	-	
5870	-	100	36	16WF40	-	-	-	-	-	-	111A	353A	-	-	
5871	-	100	36	16WF40	-	-	-	-	-	-	353A	111A	-	-	
5872	-	100	36	14WF30	-	-	-	-	-	-	353A	353A	-	-	
5873	-	100	36	12B16.5	-	-	-	-	-	-	111H	111H	-	-	
5874	-	100	36	12B16.5	-	-	-	-	-	-	26.5K	213B	-	-	
5875	-	100	36	12WF27	-	-	-	-	-	-	111H	111H	-	-	
5876	-	100	36	12B16.5	-	-	-	-	-	-	283J	283J	-	-	
5877	-	100	36	12CH20.7	-	-	-	-	-	-	26.5K	26.5K	-	-	
5878	-	100	36	12B16.5	-	-	-	-	-	-	26.5K	26.5K	-	-	
5879	-	100	36	12B16.5	-	-	-	-	-	-	26.5K	26.5K	-	-	
5880	-	100	36	12B16.5	-	-	-	-	-	-	260C	260C	-	-	
5881	-	100	36	12B22	-	-	-	-	-	-	260C	260C	-	-	
5882	-	100	36	12B16.5	-	-	-	-	-	-	260C	260C	-	-	
5883	-	100	36	10WF29	-	-	-	-	-	-	260B	513A	-	-	
5884	-	100	36	10WF29	-	-	-	-	-	-	111H	504	-	-	
5885	-	100	36	12B16.5	-	-	-	-	-	-	111H	111H	-	-	
5886	-	100	36	14WF30	-	-	-	-	-	-	111A	111H	-	-	
5887	-	100	36	12B16.5	-	-	-	-	-	-	111H	217A	-	-	
5888	-	100	36	10WF33	-	-	-	-	-	-	111H	111H	-	-	
5889	-	100	36	16WF36	-	-	-	-	-	-	111A	111H	-	-	
5890	-	100	36	12B16.5	-	-	-	-	-	-	111H	105H	-	-	
5891	-	100	36	12B16.5	-	-	-	-	-	-	213B	217A	-	-	
5892	-	100	36	12B16.5	-	-	-	-	-	-	220A	111H	-	-	
5893	-	100	36	16WF36	-	-	-	-	-	-	343A	350A	-	-	
5894	-	100	36	16B26	-	-	-	-	-	-	238A	238A	-	-	
5895	-	100	36	12B16.5	-	-	-	-	-	-	26.5K	26.5K	-	-	
5896	-	100	36	16WF36	-	-	-	-	-	-	26.5K	26.5K	-	-	
5897	-	100	36	12B16.5	-	-	-	-	-	-	111H	111H	-	-	
5898	-	100	36	8B13	-	-	-	-	-	-	17.4K	753	-	-	
5899	-	100	36	8B13	-	-	-	-	-	-	753	17.4K	-	-	3/4X3

REMARKS

1 END SUPPORTS REVISED AFTER FABRICATION,
SEE 19-A-909.



SKILLING-HELLE-CHRISTIANSEN-ROBERTSON

Civil & Structural Engineers

PROJECT

THE WORLD TRADE CENTER

TITLE

BEAM SCHEDULE TOWERS A AND B

DATE

7/17/68

REVISIONS

BEAM NO.	SIZE	TYPE	FY	SHAPE	PLATE 1		PLATE 2		DIMENSIONS		SUPPORTS		STUDS		REMARKS
					WIDTH	THICK	WIDTH	THICK	LENGTH	DIM. A	LEFT	RIGHT	NO.	SIZE	
5900	-	100	36	8B13	-	-	-	-	-	-	753	17.4K	-	-	
5901	-	100	36	8B13	-	-	-	-	-	-	753	17.4K	-	-	
5902	-	100	36	8B13	-	-	-	-	-	-	753	17.4K	-	-	
5903	-	100	36	8B13	-	-	-	-	-	-	753	525A	-	-	
5904	-	100	36	8B13	-	-	-	-	-	-	753	527A	-	-	
5905	-	100	36	8B13	-	-	-	-	-	-	753	526A	-	-	
5906	-	100	36	8B13	-	-	-	-	-	-	753	528A	-	-	
5907	-	100	36	14WF30	-	-	-	-	-	-	528A	527A	-	-	
5908	-	100	36	8B13	-	-	-	-	-	-	526A	526A	-	-	
5909	-	100	36	8B13	-	-	-	-	-	-	503B	503B	-	-	
5910	-	100	36	14WF30	-	-	-	-	-	-	527A	525A	-	-	
5911	-	100	36	14WF30	-	-	-	-	-	-	525A	524A	-	-	
5912	-	100	36	14WF30	-	-	-	-	-	-	524A	756A	-	-	
5913	-	100	36	16WF45	-	-	-	-	-	-	26.5K	260A	-	-	
5914	-	100	36	18WF50	-	-	-	-	-	-	503B	26.5K	-	-	
5915	-	100	36	18WF50	-	-	-	-	-	-	503B	26.5K	-	-	
5916	-	100	36	16WF45	-	-	-	-	-	-	528A	111A	-	-	
5917	-	100	36	10WF33	-	-	-	-	-	-	457A	503B	-	-	
5918	-	100	36	10WF21	-	-	-	-	-	-	17.4K	17.4K	-	-	
5919	-	100	36	10WF25	-	-	-	-	-	-	260B	260B	-	-	
5920	-	100	36	12B22	-	-	-	-	-	-	260C	260C	-	-	
5921	16XB-1/2WF	400	36	16WF58	7-1/2	7/16	-	-	32FT	3	161	39.6K	62	3/4X3	
5922	-	100	36	12WF36	-	-	-	-	-	-	111H	111A	-	-	
5923	-	100	36	10WF21	-	-	-	-	-	-	283J	111H	-	-	
5924	-	100	36	10WF21	-	-	-	-	-	-	111H	283J	-	-	
5925	-	100	36	8WF28	-	-	-	-	-	-	283H	111H	-	-	
5926	-	100	36	24WF76	-	-	-	-	-	-	305	491	-	-	
5927	-	100	36	12B16.5	-	-	-	-	-	-	26.5K	26.5K	-	-	
5928	-	100	36	12B16.5	-	-	-	-	-	-	260C	503A	-	-	
5929	-	100	36	12B16.5	-	-	-	-	-	-	503A	283J	-	-	
5930	-	100	36	12B16.5	-	-	-	-	-	-	503A	507	-	-	
5931	-	100	36	12B16.5	-	-	-	-	-	-	27.0K	761A	-	-	
5932	-	100	36	8WF17	-	-	-	-	-	-	17.4K	761A	-	-	
5933	-	100	36	16WF36	-	-	-	-	-	-	172A	102C	34	3/4X3	

REMARKS

- 3 DETAIL 178A RIGHT END OF BEAM
 4 LEFT END OF BEAM SITS ON POST
 5 VOID
 6 LEFT END REVISED AFTER FABRICATION,
 SEE 19-A-908

SKILLING-HELLE-CHRISTIANSEN-ROBERTSON

Civil & Structural Engineers

PROJECT					TITLE						DATE				
THE WORLD TRADE CENTER					BEAM SCHEDULE TOWERS A AND B						7/17/68				
BEAM NO.	SIZE	TYPE	FY	SHAPE	PLATE 1		PLATE 2		DIMENSIONS		SUPPORTS		STUDS		REMARKS
					WIDTH	THICK	WIDTH	THICK	LENGTH	DIM. A	LEFT	RIGHT	NO.	SIZE	
5934	-	100	50	12WF58	-	-	-	-	-	-	54.1K	757B	-	-	
5935	-	100	50	12WF72	-	-	-	-	-	-	54.1K	756B	-	-	
5936	-	100	50	12WF58	-	-	-	-	-	-	54.1K	101B	-	-	
5937	-	100	50	12WF65	-	-	-	-	-	-	54.1K	54.1K	-	-	
5938	-	100	50	12WF79	-	-	-	-	-	-	756B	54.1K	-	-	
5939	-	100	50	12WF79	-	-	-	-	-	-	757B	54.1K	-	-	X
5940	-	100	50	12WF45	-	-	-	-	-	-	102B	756B	-	-	
5941	-	100	50	12WF45	-	-	-	-	-	-	26.5K	756B	-	-	
5942	-	100	50	12WF45	-	-	-	-	-	-	26.5K	757B	-	-	
5943	-	100	50	12WF31	-	-	-	-	-	-	26.5K	758	-	-	
5944	-	100	36	8B15	-	-	-	-	-	-	758	17.4K	-	-	
5945	-	100	50	12WF65	-	-	-	-	-	-	756B	101D	-	-	
5946	-	100	50	12WF65	-	-	-	-	-	-	101D	101B	-	-	
5947	-	100	36	10WF21	-	-	-	-	-	-	102B	102B	-	-	
5948	-	100	50	12WF58	-	-	-	-	-	-	101B	101B	-	-	
5949	-	100	36	14WF30	-	-	-	-	-	-	102C	770	28	3/4X3	
5950	-	100	36	14WF30	-	-	-	-	-	-	26.5K	770	28	3/4X3	
5951	-	100	36	14WF30	-	-	-	-	-	-	26.5K	765	28	3/4X3	
5952	-	100	36	14WF30	-	-	-	-	-	-	26.5K	769	-	-	
5953	-	100	50	24WF68	-	-	-	-	-	-	767A	101C	64	3/4X3	
5954	-	100	50	24WF84	-	-	-	-	-	-	101C	101C	78	3/4X3D	
5955	-	100	36	10WF21	-	-	-	-	-	-	102C	102C	20	3/4X3	
5956	-	100	36	10B15	-	-	-	-	-	-	770	17.4K	14	3/4X3	
5957	-	100	50	21WF62	-	-	-	-	-	-	767A	48.1K	58	3/4X3	
5958	-	100	50	21WF55	-	-	-	-	-	-	772A	48.1K	52	3/4X3	
5959	-	100	50	12WF58	-	-	-	-	-	-	515C	515D	28	3/4X3	
5960	-	100	36	8WF58	-	-	-	-	-	-	515A	515B	20	3/4X3H	
5961	-	100	50	24WF76	-	-	-	-	-	-	48.1K	767B	70	3/4X3	
5962	-	100	50	24WF76	-	-	-	-	-	-	48.1K	766B	70	3/4X3	
5963	-	100	36	33WF220	-	-	-	-	-	-	126.0K	767E	98	3/4X3	1
5964	-	100	36	33WF130	-	-	-	-	-	-	126.0K	767E	98	3/4X3	1
5965	-	100	36	27WF84	-	-	-	-	-	-	54.1K	54.1K	-	-	
5966	-	100	36	24WF68	-	-	-	-	-	-	48.1K	48.1K	-	-	

REMARKS

1 REVISION AFTER FABRICATION, LEFT SUPPORT, TOWER A ONLY
SEE 19-A-907.

WORTHINGTON, SKILLING, HELLE & JACKSON

Civil & Structural Engineers

PROJECT THE WORLD TRADE CENTER TITLE BEAM SCHEDULE TOWERS A AND B DATE 7/20/67

REVISIONS

BEAM NO.	SIZE	TYPE	FY	SHAPE	PLATE 1		PLATE 2		DIMENSIONS		SUPPORTS		STUDS		REMARKS
					WIDTH	THICK	WIDTH	THICK	LENGTH	DIM. A	LEFT	RIGHT	NO.	SIZE	
5967	-	100	36	16WF36	-	-	-	-	-	-	106	106	-	-	
5968	-	100	36	16WF36	-	-	-	-	-	-	106	106	-	-	
5969	-	100	36	16WF36	-	-	-	-	-	-	106	106	-	-	
5970	-	100	36	16WF36	-	-	-	-	-	-	106	106	-	-	
5971	-	100	36	16WF36	-	-	-	-	-	-	106	106	-	-	X
5972	-	100	36	16WF36	-	-	-	-	-	-	106	488	-	-	
5973	-	100	36	24WF76	-	-	-	-	-	-	488	488	-	-	
5974	-	100	36	16WF36	-	-	-	-	-	-	488	106	-	-	
5975	-	100	36	16WF36	-	-	-	-	-	-	106	106	-	-	
5976	-	100	36	16WF36	-	-	-	-	-	-	106	106	-	-	
5977	-	100	36	16WF36	-	-	-	-	-	-	106	106	-	-	
5978	-	100	36	16WF36	-	-	-	-	-	-	106	201	-	-	
5979	-	100	36	16WF36	-	-	-	-	-	-	105	201	-	-	
5980	-	100	36	16WF36	-	-	-	-	-	-	201	201	-	-	
5981	-	100	36	16WF36	-	-	-	-	-	-	201	105	-	-	
5982	-	100	36	16WF36	-	-	-	-	-	-	201	106	-	-	
5983	-	100	36	16WF36	-	-	-	-	-	-	106	105	-	-	
5984	-	100	36	16WF36	-	-	-	-	-	-	105	106	-	-	
5985	-	100	36	24WF68	-	-	-	-	-	-	297	488	-	-	
5986	-	100	36	24WF76	-	-	-	-	-	-	299	488	-	-	
5987	-	100	36	24WF68	-	-	-	-	-	-	488	297	-	-	
5988	-	100	36	24WF76	-	-	-	-	-	-	488	299	-	-	
5989	-	100	36	8WF24	-	-	-	-	-	-	489	490	-	-	
5990	-	100	36	8WF24	-	-	-	-	-	-	489	299	-	-	
5991	-	100	36	8WF24	-	-	-	-	-	-	299	489	-	-	
5992	-	100	36	8WF24	-	-	-	-	-	-	490	489	-	-	
5993	-	100	36	8WF24	-	-	-	-	-	-	488	488	-	-	
5994	-	100	36	24WF68	-	-	-	-	-	-	491	300	-	-	
5995	-	100	36	16WF36	-	-	-	-	-	-	300	262	-	-	
5996	-	100	36	24WF76	-	-	-	-	-	-	105	105	-	-	
5997	-	100	36	8WF24	-	-	-	-	-	-	489	492	-	-	
5998	-	100	36	8WF24	-	-	-	-	-	-	489	490	-	-	
5999	-	100	36	24WF76	-	-	-	-	-	-	491	492	-	-	

REMARKS



SKILLING, HELLE, CHRISTIANSEN, ROBERTSON

Structural & Civil Engineers

PROJECT

THE WORLD TRADE CENTER

TITLE

BEAM SCHEDULE TOWERS A AND B

DATE

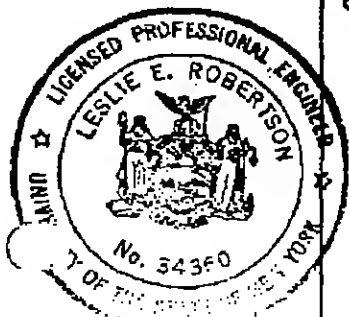
12/ 6/68

REVISIONS

BEAM NO.	SIZE	TYPE	FY	SHAPE	PLATE 1		PLATE 2		DIMENSIONS		SUPPORTS		STUDS		REMARKS
					WIDTH	THICK	WIDTH	THICK	LENGTH	DIM. A	LEFT	RIGHT	NO.	SIZE	
6001	-	100	50	18WF50	-	-	-	-	-	-	70.7K	70.7K	60	3/4X3	
6002	-	700	50	18WF55	9 1/2	1/2	-	-	SEE SUPT. DET.	729A	731A	65	3/4X3		
6003	-	700	50	21WF55	10-1/4	1/2	-	-	SEE SUPT. DET.	728A	728A	60	3/4X3		
6004	-	100	36	10B15	-	-	-	-	-	-	17.4K	765	-	-	
6005	-	100	50	18WF70	-	-	-	-	-	-	705C	739	80	3/4X3	X
6006	-	100	36	12WF36	-	-	-	-	-	-	283L	54.1K	-	-	
6007	-	100	50	18WF45	-	-	-	-	-	-	729A	728B	52	3/4X3	
6008	-	100	50	18WF45	-	-	-	-	-	-	70.7K	70.7K	58	3/4X3	
6009	-	100	36	16WF45	-	-	-	-	-	-	709D	709	30	3/4X3	
6010	-	100	36	10WF21	-	-	-	-	-	-	769A	26.5K	-	-	
6011	-	700	36	18WF45	9-1/2	1/2	-	-	SEE SUPT. DET.	739	705C	28	3/4X3		1
6012	-	700	50	18WF50	9-1/2	1/2	-	-	SEE SUPT. DET.	729A	728B	60	3/4X3		
6013	-	100	36	14WF34	-	-	-	-	-	-	26.5K	772C	-	-	
6014	-	100	36	14WF34	-	-	-	-	-	-	26.5K	767C	-	-	
6015	-	100	36	14WF34	-	-	-	-	-	-	102C	768C	-	-	
6016	-	100	50	12WF36	-	-	-	-	-	-	26.5K	26.5K	-	-	
6017	-	100	36	12WF36	-	-	-	-	-	-	102B	760B	-	-	
6018	-	100	50	21WF62	-	-	-	-	-	-	48.1K	767B	-	-	
6019	-	700	50	16WF36	9	1/2	-	-	SEE SUPT. DET.	728A	728A	48	3/4X3		
6020	-	700	50	18WF50	9-1/2	1/2	-	-	SEE SUPT. DET.	729A	728A	60	3/4X3		
6021	-	100	36	12B19	-	-	-	-	-	-	26.5K	26.5K	-	-	
6022	-	100	50	12WF36	-	-	-	-	-	-	110B	751B	-	-	
6023	-	100	36	10WF21	-	-	-	-	-	-	26.5K	26.5K	-	-	
6024	-	100	50	12WF36	-	-	-	-	-	-	101B	751B	-	-	
6025	-	100	50	12WF58	-	-	-	-	-	-	54.1K	54.1K	-	-	
6026	-	100	36	12WF36	-	-	-	-	-	-	102B	102B	-	-	
6027	-	100	36	16WF36	-	-	-	-	-	-	35.3K	515F	-	-	
6028	-	100	36	12WF72	-	-	-	-	-	-	111C	111C	-	-	
6029	-	100	50	12WF85	-	-	-	-	-	-	102B	54.1K	-	-	
6030	-	100	50	12WF40	-	-	-	-	-	-	101B	108B	-	-	
6031	-	100	36	12WF72	-	-	-	-	-	-	111A	111A	-	-	
6032	-	100	50	21WF55	-	-	-	-	-	-	48.1K	772A	-	-	
6033	-	100	50	21WF62	-	-	-	-	-	-	70.7K	772A	-	-	

REMARKS

1 SEE BEAM TYPE 425 FOR COVER PL
AND STUD PLACEMENT



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Structural & Civil Engineers

PROJECT

THE WORLD TRADE CENTER

TITLE

BEAM SCHEDULE TOWERS A AND B

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REVISIONS

BEAM NO.	SIZE	TYPE	FY	SHAPE	PLATE 1		PLATE 2		DIMENSIONS		SUPPORTS		STUDS		REMARKS
					WIDTH	THICK	WIDTH	THICK	LENGTH	DIM. A	LEFT	RIGHT	NO.	SIZE	
6034	-	100	50	24WF68	-	-	-	-	-	-	172A	102C	-	-	
6035	-	100	50	12WF65	-	-	-	-	-	-	53.0K	751B	-	-	
6036	-	100	36	33WF130	-	-	-	-	-	-	165.0K	767E	-	-	
6037	-	100	36	33WF220	-	-	-	-	-	-	126.0K	767E	-	-	
6038	-	100	36	12B19	-	-	-	-	-	-	26.5K	26.5K	-	-	
6039	-	100	36	16WF50	-	-	-	-	-	-	515E	515E	-	-	X
6040	-	100	36	16WF50	-	-	-	-	-	-	515E	35.3K	-	-	
6041	-	100	36	12WF36	-	-	-	-	-	-	26.5K	26.5K	-	-	
6042	-	100	36	24I79.9	-	-	-	-	-	-	202B	234C	-	-	
6043	-	100	36	24I90.0	-	-	-	-	-	-	234C	234C	-	-	
6044	-	100	36	24I79.9	-	-	-	-	-	-	234C	234C	-	-	
6045	-	100	36	24I90.0	-	-	-	-	-	-	234C	234C	-	-	
6046	-	100	36	12WF53	-	-	-	-	-	-	111C	111C	-	-	
6047	-	100	50	24WF68	-	-	-	-	-	-	102C	102C	-	-	
6048	-	100	36	10WF21	-	-	-	-	-	-	26.5K	26.5K	-	-	
6049	-	100	36	12WF31	-	-	-	-	-	-	107A	107A	-	-	
6050	-	100	36	12WF31	-	-	-	-	-	-	107A	751D	-	-	
6051	-	100	36	12WF27	-	-	-	-	-	-	26.5K	760B	-	-	
6052	-	100	50	24WF76	-	-	-	-	-	-	767D	70.0K	-	-	
6053	-	100	36	10WF21	-	-	-	-	-	-	760A	101B	-	-	
6054	-	100	36	10WF21	-	-	-	-	-	-	760A	17.4K	-	-	
6055	-	100	36	10B15	-	-	-	-	-	-	26.5K	760E	-	-	
6056	-	100	36	12WF50	-	-	-	-	-	-	47.1K	47.1K	-	-	
6057	-	100	36	12WF50	-	-	-	-	-	-	47.1K	391A	-	-	
6058	-	100	36	18I70.0	-	-	-	-	-	-	391A	53.0K	-	-	
6059	-	100	36	24WF68	-	-	-	-	-	-	102C	53.0K	-	-	
6060	-	100	36	10WF21	-	-	-	-	-	-	770A	101C	-	-	
6061	-	100	36	16B31	-	-	-	-	-	-	254B	364L	-	-	
6062	-	100	36	12WF31	-	-	-	-	-	-	107A	760F	-	-	
6063	-	100	50	21WF62	-	-	-	-	-	-	53.0K	102C	-	-	
6064	-	100	36	16WF36	-	-	-	-	-	-	102C	102C	-	-	
6065	-	100	36	12WF92	-	-	-	-	-	-	760B	47.1K	-	-	
6066	-	100	50	21WF55	-	-	-	-	-	-	102C	53.0K	-	-	

REMARKS

- 1 DETAIL 2052, INTERMEDIATE SUPPORT
OF BEAM



SKILLING, HELLE, CHRISTIANSEN, ROBERTSON

Structural & Civil Engineers

PROJECT THE WORLD TRADE CENTER					TITLE BEAM SCHEDULE TOWERS A AND B							DATE 12/ 6/68			
BEAM NO.	SIZE	TYPE	FY	SHAPE	PLATE 1		PLATE 2		DIMENSIONS		SUPPORTS		STUDS		
					WIDTH	THICK	WIDTH	THICK	LENGTH	DIM. A	LEFT	RIGHT	NO.	SIZE	REMARKS
6067	-	100	50	21WF55	-	-	-	-	-	-	53.0K	102C	-	-	
6068	-	100	50	12WF50	-	-	-	-	-	-	102B	752B	-	-	
6069	-	100	36	12WF27	-	-	-	-	-	-	111M	26.5K	-	-	
6070	-	100	36	10WF21	-	-	-	-	-	-	760A	17.4K	-	-	
6071	-	100	36	12WF36	-	-	-	-	-	-	26.5K	111A	-	-	
6072	-	100	36	16B31	-	-	-	-	-	-	364L	220E	-	-	
6073	-	100	36	8B13	-	-	-	-	-	-	771B	17.4K	-	-	
6074	-	100	50	12WF50	-	-	-	-	-	-	53.0K	757B	-	-	
6075	-	100	36	12WF36	-	-	-	-	-	-	26.5K	111A	-	-	
6076	-	100	36	12WF72	-	-	-	-	-	-	370L	317A	-	-	
6077	-	100	36	12WF65	-	-	-	-	-	-	445A	445A	-	-	
6078	-	100	36	12WF65	-	-	-	-	-	-	317A	317A	-	-	
6079	-	100	36	12WF65	-	-	-	-	-	-	445A	445A	-	-	
6080	-	100	36	12WF72	-	-	-	-	-	-	317A	370L	-	-	
6081	-	100	36	12WF36	-	-	-	-	-	-	364B	364B	-	-	
6082	-	100	36	12WF45	-	-	-	-	-	-	47.1K	47.1K	-	-	
6083	-	100	36	12WF27	-	-	-	-	-	-	348A	111H	-	-	
6084	-	100	36	12WF27	-	-	-	-	-	-	348C	283Y	-	-	
6085	-	100	36	12WF27	-	-	-	-	-	-	26.5K	111H	-	-	
6086	-	100	36	12WF50	-	-	-	-	-	-	70.7K	70.7K	-	-	
6087	-	100	36	12WF45	-	-	-	-	-	-	283L	54.1K	-	-	
6088	-	100	36	12WF31	-	-	-	-	-	-	26.5K	757B	-	-	
6089	-	100	36	10WF50	-	-	-	-	-	-	307A	310F	-	-	
6090	-	100	36	12WF27	-	-	-	-	-	-	283Y	349B	-	-	
6091	-	100	36	12WF27	-	-	-	-	-	-	181M	26.5K	-	-	
6092	-	100	36	16WF40	-	-	-	-	-	-	723A	710A	-	-	
6093	-	100	36	12WF31	-	-	-	-	-	-	111A	26.5K	-	-	
6094	-	100	36	14WF30	-	-	-	-	-	-	102C	26.5K	-	-	
6095	-	100	36	10WF21	-	-	-	-	-	-	750A	26.5K	-	-	
6096	-	100	36	18WF50	-	-	-	-	-	-	472C	472A	-	-	
6097	-	100	50	27WF84	-	-	-	-	-	-	101C	101C	-	-	
6098	-	100	50	21WF55	-	-	-	-	-	-	101C	53.0K	-	-	
6099	-	100	36	18I70.0	-	-	-	-	-	-	391C	391B	-	-	



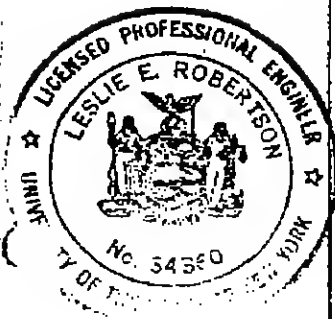
SKILLING, HELLE, CHRISTIANSEN, ROBERTSON

Structural & Civil Engineers

PROJECT	THE WORLD TRADE CENTER	TITLE	BEAM SCHEDULE TOWERS A AND B	DATE	12/ 6/68
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REVISIONS

BEAM NO.	SIZE	TYPE	FY	SHAPE	PLATE 1		PLATE 2		DIMENSIONS		SUPPORTS		STUDS		REMARKS
					WIDTH	THICK	WIDTH	THICK	LENGTH	DIM. A	LEFT	RIGHT	NO.	SIZE	
6100	-	100	50	33WF118	-	-	-	-	-	-	101C	101C	-	-	
6101	-	100	36	18WF45	-	-	-	-	-	-	101C	35.3K	-	-	
6102	-	100	36	16WF36	-	-	-	-	-	-	101C	101C	-	-	
6103	-	100	50	12WF53	-	-	-	-	-	-	53.0K	53.0K	-	-	
6104	-	100	36	12WF36	-	-	-	-	-	-	102B	102B	-	-	
6105	-	100	36	12WF40	-	-	-	-	-	-	26.5K	751B	-	-	X
6106	-	100	50	12WF53	-	-	-	-	-	-	53.0K	53.0K	-	-	
6107	-	100	50	12WF92	-	-	-	-	-	-	102B	102B	-	-	
6108	-	100	50	12WF99	-	-	-	-	-	-	756B	54.1K	-	-	
6109	-	100	50	12WF45	-	-	-	-	-	-	101B	53.0K	-	-	
6110	-	100	50	12WF85	-	-	-	-	-	-	757B	101B	-	-	
6111	-	100	36	10WF21	-	-	-	-	-	-	774E	102B	-	-	
6112	-	100	36	12WF45	-	-	-	-	-	-	774A	101B	-	-	
6113	-	100	36	12WF27	-	-	-	-	-	-	334B	349A	-	-	
6114	-	100	36	12WF50	-	-	-	-	-	-	353B	334A	-	-	
6115	-	100	36	12WF53	-	-	-	-	-	-	111A	111A	-	-	
6116	-	100	36	12WF50	-	-	-	-	-	-	334A	353B	-	-	
6117	16X5-1/28X	201	36	-	4	3/8	16	3/4	-	-	450	206B	-	-	
6118	-	100	36	16WF50	-	-	-	-	-	-	515F	515E	-	-	
6119	-	100	36	16WF45	-	-	-	-	-	-	220H	205D	-	-	
6120	-	100	36	12WF40	-	-	-	-	-	-	391C	47.1K	-	-	
6121	-	100	36	12WF50	-	-	-	-	-	-	334B	353A	-	-	
6122	-	100	36	8WF58	-	-	-	-	-	-	515B	515F	-	-	
6123	-	100	36	12WF50	-	-	-	-	-	-	353A	353B	-	-	
6124	-	100	50	12WF58	-	-	-	-	-	-	53.0K	102B	-	-	
6125	-	100	36	8WF58	-	-	-	-	-	-	515F	515B	-	-	
6126	-	100	36	12WF50	-	-	-	-	-	-	353B	353A	-	-	
6127	-	100	50	12WF79	-	-	-	-	-	-	172A	751D	-	-	
6128	-	100	36	10WF21	-	-	-	-	-	-	760A	17.4K	-	-	
6129	-	100	50	24WF68	-	-	-	-	-	-	53.0K	102C	-	-	
6130	-	700	36	12WF27	8 1/2	1/2	-	-	SEE SUPT. DET.		738A	739	36	3/4X3	
6131	-	700	36	12WF27	8-1/2	1/2	-	-	SEE SUPT. DET.		739	736A	22	3/4X3	
6132	-	700	50	14WF34	8-3/4	1/2	-	-	SEE SUPT. DET.		739	739	36	3/4X3	
6133	-	700	50	16WF36	9	1/2	-	-	SEE SUPT. DET.		739	739	48	3/4X3	



SKILLING-HELLE-CHRISTIANSEN-ROBERTSON

Civil & Structural Engineers

PROJECT		THE WORLD TRADE CENTER			TITLE		BEAM SCHEDULE TOWERS A AND B				DATE		3/11/68		
BEAM NO.	SIZE	TYPE	FY	SHAPE	PLATE 1		PLATE 2		DIMENSIONS		SUPPORTS		STUDS		REMARKS
					WIDTH	THICK	WIDTH	THICK	LENGTH	DIM. A	LEFT	RIGHT	NO.	SIZE	
6134	-	700	50	16WF36	9	1/2	-	-	SEE SUPT. DET.		733A	739	48	3/4X3	
6135	-	700	50	16WF36	9	1/2	-	-	SEE SUPT. DET.		780A	728A	48	3/4X3	
6136	-	700	50	16WF36	9	1/2	-	-	SEE SUPT. DET.		728A	729A	48	3/4X3	
6137	-	700	50	14WF34	8-3/4	1/2	-	-	SEE SUPT. DET.		729A	731A	36	3/4X3	
6138	-	700	50	14WF34	8-3/4	1/2	-	-	SEE SUPT. DET.		728A	739	36	3/4X3	
6139	-	700	50	18WF60	9-1/2	1/2	-	-	SEE SUPT. DET.		731A	702	82	3/4X3	
6140	-	700	50	16WF36	9	1/2	-	-	SEE SUPT. DET.		735A	728A	42	3/4X3	
6141	-	700	50	16WF50	9	1/2	-	-	SEE SUPT. DET.		733C	739	42	3/4X3	
6142	-	700	50	14WF30	8-3/4	1/2	-	-	SEE SUPT. DET.		739	739	40	3/4X3	
6143	-	700	50	18WF50	9	1/2	-	-	SEE SUPT. DET.		729A	729A	60	3/4X3	
6144	-	700	50	18WF50	9	1/2	-	-	SEE SUPT. DET.		733C	729A	62	3/4X3	
6145	-	700	50	14WF30	8-3/4	1/2	-	-	SEE SUPT. DET.		729A	739	40	3/4X3	
6146	-	700	50	16WF45	9	1/2	-	-	SEE SUPT. DET.		739	739	56	3/4X3	
6147	-	700	36	14WF30	8 3/4	1/2	-	-	SEE SUPT. DET.		739	739	36	3/4X3	
6148	-	700	36	18WF50	9	1/2	-	-	SEE SUPT. DET.		739	729A	42	3/4X3	
6149	-	700	36	18WF45	9	1/2	-	-	SEE SUPT. DET.		728A	782A	40	3/4X3	
6150	-	700	50	16WF45	9	1/2	-	-	SEE SUPT. DET.		729A	733A	56	3/4X3	
6151	-	100	36	6WF25	-	-	-	-	-	-	26.5K	-	25	3/4X3	1
6152	-	100	36	8B13	-	-	-	-	-	-	170G	17.4K	-	-	
6153	-	700	50	18WF77	10 3/4	1/2	-	-	SEE SUPT. DET.		702B	780B	88	3/4X3	
6154	-	700	50	16WF40	9	1/2	-	-	SEE SUPT. DET.		739	736D	52	3/4X3	
6155	-	700	50	16WF45	9	1/2	-	-	SEE SUPT. DET.		731 A	729 A	56	3/4X3	
6156	-	700	50	14WF36	9	1/2	-	-	SEE SUPT. DET.		739	739	48	3/4X3	
6157	-	700	46	12WF27	8-1/2	1/2	-	-	SEE SUPT. DET.		781A	739	36	3/4X3	
6158	-	700	50	16WF36	9	1/2	-	-	SEE SUPT. DET.		739	728B	48	3/4X3	
6159	-	700	50	16WF36	9	1/2	-	-	SEE SUPT. DET.		728A	739	48	3/4X3	
6160	-	100	36	14WF34	-	-	-	-	-	-	26.5K	768C	-	-	
6161	-	100	36	14WF34	-	-	-	-	-	-	26.5K	767D	-	-	
6162	-	100	36	10WF21	-	-	-	-	-	-	770A	26.5K	-	-	
6163	-	100	36	12WF27	-	-	-	-	-	-	102B	102B	-	-	
6164	-	463	50	12WF58	-	-	-	-	-	-	54.1K	760D	-	-	
6165	-	700	36	12WF27	8-1/2	1/2	-	-	SEE SUPT. DET.		737A	729A	36	3/4X3	
6166	-	700	50	18WF55	9-1/2	1/2	-	-	SEE SUPT. DET.		739	731A	64	3/4X3	

REMARKS

1 SEE 6-85-105.1 FOR RIGHT END OF BEAM

SKILLING, HELLE, CHRISTIANSEN, ROBERTSON

Structural & Civil Engineers

PROJECT

THE WORLD TRADE CENTER

TITLE

BEAM SCHEDULE TOWERS A AND B

DATE

12/ 6/68

REVISIONS

BEAM NO.	SIZE	TYPE	FY	SHAPE	PLATE 1		PLATE 2		DIMENSIONS		SUPPORTS		STUDS		REMARKS
					WIDTH	THICK	WIDTH	THICK	LENGTH	DIM. A	LEFT	RIGHT	NO.	SIZE	
6167	-	70C	36	12WF27	8-1/2	1/2	-	-	SEE SUPT. DET.	-	739	728A	36	3/4X3	
6168	-	10C	50	12WF92	-	-	-	-	-	-	90.2K	760B	-	-	
6169	-	10C	36	12WF50	-	-	-	-	-	-	353A	334B	-	-	
6170	-	70C	36	12WF27	8-1/2	1/2	-	-	SEE SUPT. DET.	-	728A	739	36	3/4X3	
6171	-	10C	36	12WF27	-	-	-	-	-	-	111H	111H	-	-	
6172	-	10C	50	12WF106	-	-	-	-	-	-	70.7K	760G	-	-	
6173	-	70C	50	16WF40	9	1/2	-	-	SEE SUPT. DET.	-	728B	728A	52	3/4X3	
6174	-	10C	50	12WF79	-	-	-	-	-	-	760B	101B	-	-	
6175	-	70C	36	12WF27	8-1/2	1/2	-	-	SEE SUPT. DET.	-	736A	739	36	3/4X3	
6176	-	10C	50	12WF79	-	-	-	-	-	-	761B	101B	-	-	
6177	-	70C	50	16WF36	9	1/2	-	-	SEE SUPT. DET.	-	729A	728A	48	3/4X3	
6178	-	70C	50	18WF85	10-3/4	1/2	-	-	SEE SUPT. DET.	-	709D	736C	90	3/4X3	
6179	-	70C	50	18WF85	10-3/4	1/2	-	-	SEE SUPT. DET.	-	736C	709C	90	3/4X3	
6180	-	10C	36	16B31	-	-	-	-	-	-	254B	391G	-	-	
6181	-	10C	36	16B31	-	-	-	-	-	-	391G	220G	-	-	
6182	16X5-1/2BX	203	36	-	3-3/4	3/8	16	7/8	-	-	391G	206B	-	-	
6183	-	10C	36	12WF27	-	-	-	-	-	-	26.5K	26.5K	-	-	
6184	-	10C	36	128 19	-	-	-	-	-	-	17.4K	17.4K	-	-	
6185	-	10C	50	16WF40	-	-	-	-	-	-	70.7K	70.7K	52	3/4X3	
6186	-	10C	50	12WF58	-	-	-	-	-	-	102B	102B	-	-	
6187	-	70C	36	18WF4	9	1/2	-	-	SEE SUPT. DET.	-	703	705C	30	3/4X3	
6188	-	70C	36	16WF36	9	1/2	-	-	SEE-SUPT. DET.	-	703D	703D	48	3/4X3	
6189	-	10C	36	16WF36	-	-	-	-	-	-	703D	702B	30	3/4X3	
6190	-	70C	50	18WF45	9-1/2	1/2	-	-	SEE SUPT. DET.	-	702	703	58	3/4X3	
6191	-	70C	50	18WF45	9-1/2	1/2	-	-	SEE SUPT. DET.	-	703	703	58	3/4X3	
6192	-	70C	50	18WF45	9-1/2	1/2	-	-	SEE SUPT. DET.	-	703	703A	58	3/4X3	
6193	-	70C	50	18WF45	9-1/2	1/2	-	-	SEE SUPT. DET.	-	703A	703	58	3/4X3	
6194	-	70C	50	18WF45	9-1/2	1/2	-	-	SEE SUPT. DET.	-	705C	705C	58	3/4X3	
6195	-	70C	36	18WF45	9-1/2	1/2	-	-	SEE SUPT. DET.	-	703A	703A	30	3/4X3	
6196	-	10C	50	21WF62	-	-	-	-	-	-	48.1K	772A	-	-	
6197	-	10C	36	128 19	-	-	-	-	-	-	111W	111W	-	-	
6198	-	10C	36	128 19	-	-	-	-	-	-	111W	26.5K	-	-	
6199	-	10C	50	21WF62	-	-	-	-	-	-	101C	767A	-	-	



SKILLING-HELLE-CHRISTIANSEN-ROBERTSON

Civil & Structural Engineers

PROJECT	TITLE	DATE
THE WORLD TRADE CENTER	BEAM SCHEDULE TOWERS A AND B	3/11/68

REVISIONS

BEAM NO.	SIZE	TYPE	FY	SHAPE	PLATE 1		PLATE 2		DIMENSIONS		SUPPORTS		STUDS		REMARKS
					WIDTH	THICK	WIDTH	THICK	LENGTH	DIM. A	LEFT	RIGHT	NO.	SIZE	
6200	-	100	36	12WF27	-	-	-	-	-	-	26.5K	26.5K	-	-	
6201	-	100	50	18WF50	-	-	-	-	-	-	53.0K	767C	-	-	
6202	-	100	36	10WF21	-	-	-	-	-	-	751A	101B	-	-	
6203	-	100	36	12WF79	-	-	-	-	-	-	363A	17.4K	-	-	
6204	-	100	36	12WF40	-	-	-	-	-	-	101B	101B	-	-	
6205	-	100	36	12WF45	-	-	-	-	-	-	101B	101B	-	-	
6206	-	100	36	12WF50	-	-	-	-	-	-	752B	35.3K	-	-	
6207	-	100	36	12WF50	-	-	-	-	-	-	35.3K	35.3K	-	-	
6208	-	100	36	12WF40	-	-	-	-	-	-	35.3K	35.3K	-	-	
6209	-	100	50	12WF85	-	-	-	-	-	-	102B	111B	-	-	
6210	-	100	36	12WF58	-	-	-	-	-	-	102B	102B	-	-	
6211	-	100	36	12WF58	-	-	-	-	-	-	102B	102B	-	-	
6212	-	100	50	12WF92	-	-	-	-	-	-	752B	54.1K	-	-	
6213	-	100	50	12WF92	-	-	-	-	-	-	751B	101B	-	-	
6214	-	100	50	12WF58	-	-	-	-	-	-	53.0K	53.0K	-	-	
6215	-	100	50	12WF58	-	-	-	-	-	-	101B	53.0K	-	-	
6216	-	100	50	12WF85	-	-	-	-	-	-	102B	102B	-	-	
6217	-	100	36	12WF40	-	-	-	-	-	-	751B	101B	-	-	
6218	-	100	50	12WF79	-	-	-	-	-	-	101B	101B	-	-	
6219	-	100	36	12WF40	-	-	-	-	-	-	101B	35.3K	-	-	
6220	-	100	36	12B 19	-	-	-	-	-	-	50B	26.5K	-	-	
6221	-	100	50	12WF50	-	-	-	-	-	-	101C	701B	-	-	
6222	-	100	50	12WF50	-	-	-	-	-	-	101C	701B	-	-	
6223	-	100	36	12WF40	-	-	-	-	-	-	26.5K	26.5K	-	-	
6224	-	100	50	21WF68	-	-	-	-	-	-	101C	701B	-	-	
6225	-	100	36	12B 19	-	-	-	-	-	-	26.5K	26.5K	-	-	
6226	-	100	36	12B 19	-	-	-	-	-	-	50B	50B	-	-	
6227	-	100	36	8B 13	-	-	-	-	-	-	771B	454B	-	-	
6228	-	100	36	8B 13	-	-	-	-	-	-	509D	783A	-	-	
6229	-	100	36	12B 22	-	-	-	-	-	-	26.5K	26.5K	-	-	
6230	-	100	50	21WF62	-	-	-	-	-	-	70.0K	70.0K	-	-	
6231	-	100	50	21WF62	-	-	-	-	-	-	70.0K	101C	-	-	
6232	-	100	50	21WF68	-	-	-	-	-	-	70.0K	101C	-	-	
6233	-	100	50	21WF68	-	-	-	-	-	-	70.0K	70.0K	-	-	

REMARKS

* HOLD



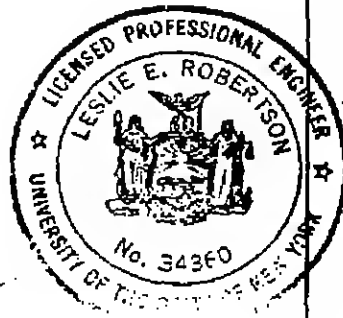
SKILLING, HELLE, CHRISTIANSEN, ROBERTSON

Structural & Civil Engineers

PROJECT		THE WORLD TRADE CENTER				TITLE		BEAM SCHEDULE TOWERS A AND B				DATE		12/ 6/88	
BEAM NO.	SIZE	TYPE	FY	SHAPE	PLATE 1		PLATE 2		DIMENSIONS		SUPPORTS		STUDS		REMARKS
					WIDTH	THICK	WIDTH	THICK	LENGTH	DIM. A	LEFT	RIGHT	NO.	SIZE	
6234	-	100	50	24WF68	-	-	-	-	-	-	102C	102C	-	-	
6235	-	100	50	24WF68	-	-	-	-	-	-	102C	102C	-	-	
6236	-	100	50	24WF68	-	-	-	-	-	-	53.0K	102C	-	-	
6237	-	100	50	33WF118	-	-	-	-	-	-	102C	102C	-	-	
6238	-	100	36	16WF36	-	-	-	-	-	-	102C	102C	-	-	
6239	-	100	50	24WF68	-	-	-	-	-	-	102C	53.0K	-	-	X
6240	-	100	36	16B31	-	-	-	-	-	-	254A	391F	-	-	
6241	-	100	50	12WF79	-	-	-	-	-	-	101B	108C	-	-	
6242	-	100	36	10WF21	-	-	-	-	-	-	752A	26.5K	-	-	
6243	-	100	36	16B31	-	-	-	-	-	-	391F	220G	-	-	
6244	16X5-1/2BX	206	36	-	3-3/4	3/8	16	7/8	-	-	206A	391F	-	-	
6245	-	100	36	18WF55	-	-	-	-	-	-	205A	205A	-	-	
6246	-	100	50	12WF99	-	-	-	-	-	-	111B	751B	-	-	
6247	-	100	36	18WF50	-	-	-	-	-	-	414A	414A	-	-	
6249	-	100	36	12WF40	-	-	-	-	-	-	101B	101B	-	-	
6250	-	100	36	6B 13	-	-	-	-	-	-	17.4K	778A	-	-	
6251	16X6-1/2BU	300	36	-	6-1/2	1-1/8	13-3/4	3/8	-	-	220A	348C	-	-	
6252	-	100	36	12WF36	-	-	-	-	-	-	364H	364H	-	-	
6253	-	100	36	18WF55	-	-	-	-	-	-	391E	220H	-	-	
6254	-	100	36	12WF72	-	-	-	-	-	-	338C	329A	-	-	
6255	-	100	36	12WF27	-	-	-	-	-	-	349B	364H	-	-	
6256	-	100	36	12WF72	-	-	-	-	-	-	329A	364B	-	-	
6257	-	100	36	12WF72	-	-	-	-	-	-	364B	364I	-	-	
6258	-	100	36	12WF65	-	-	-	-	-	-	364I	364I	-	-	
6259	-	100	36	12WF36	-	-	-	-	-	-	364I	220L	-	-	
6260	-	100	36	8B13	-	-	-	-	-	-	17.4K	771B	-	-	
6261	-	100	36	6B16	-	-	-	-	-	-	17.4K	17.4K	-	-	
6262	-	100	36	6B16	-	-	-	-	-	-	436A	436A	-	-	
6263	-	100	36	12WF31	-	-	-	-	-	-	435A	503A	-	-	
6264	-	100	36	12WF40	-	-	-	-	-	-	101B	101B	-	-	
6265	-	100	36	12WF36	-	-	-	-	-	-	101B	101B	-	-	
6266	-	100	36	12WF50	-	-	-	-	-	-	756B	35.3K	-	-	

REMARKS

- 1 DETAIL 414A LEFT AND RIGHT END OF BEAM
- 2 RIGHT END OF BEAM SITS ON POST
- 3 DETAIL 329A INTERMEDIATE SUPPORT



SKILLING, HELLE, CHRISTIANSEN, ROBERTSON

Structural & Civil Engineers

PROJECT

THE WORLD TRADE CENTER

TITLE

BEAM SCHEDULE TOWERS A AND B

DATE

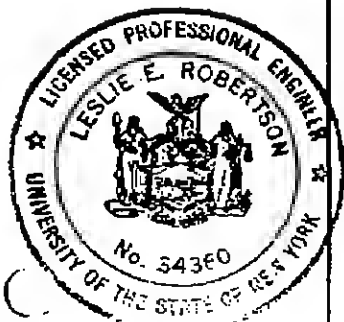
12/ 6/68

REVISIONS

BEAM NO.	SIZE	TYPE	FY	SHAPE	PLATE 1		PLATE 2		DIMENSIONS		SUPPORTS		STUDS		REMARKS
					WIDTH	THICK	WIDTH	THICK	LENGTH	DIM. A	LEFT	RIGHT	NO.	SIZE	
6267	-	100	36	12WF36	-	-	-	-	-	-	35.3K	35.3K	-	-	
6268	-	100	36	12WF31	-	-	-	-	-	-	26.5K	26.5K	-	-	
6269	-	100	50	12WF79	-	-	-	-	-	-	756B	54.1K	-	-	
6270	-	100	50	12WF79	-	-	-	-	-	-	757B	101B	-	-	
6271	-	100	50	12WF40	-	-	-	-	-	-	53.0K	53.0K	-	-	
6272	-	100	50	12WF40	-	-	-	-	-	-	101B	53.0K	-	-	
6273	-	100	50	12WF50	-	-	-	-	-	-	54.1K	54.1K	-	-	
6274	-	100	36	12WF40	-	-	-	-	-	-	101B	101B	-	-	
6275	-	100	50	12WF79	-	-	-	-	-	-	102B	102B	-	-	
6276	-	100	36	12WF58	-	-	-	-	-	-	102B	102B	-	-	
6277	-	100	36	12WF40	-	-	-	-	-	-	756B	101B	-	-	
6278	-	100	50	12WF72	-	-	-	-	-	-	101B	101B	-	-	
6279	-	100	36	12WF31	-	-	-	-	-	-	101B	26.5K	-	-	
6280	-	100	50	12WF85	-	-	-	-	-	-	102B	172A	-	-	
6281	-	100	36	16B31	-	-	-	-	-	-	395D	265C	-	-	
6282	-	100	50	36WF135	-	-	-	-	-	-	400A	400A	-	-	
6283	-	100	36	12WF31	-	-	-	-	-	-	400A	326A	-	-	
6284	-	100	36	16WF40	-	-	-	-	-	-	364J	220E	-	-	
6285	-	100	36	16WF40	-	-	-	-	-	-	220E	220L	-	-	
6286	-	100	36	12B19	-	-	-	-	-	-	508	752A	-	-	
6287	-	100	36	12WF79	-	-	-	-	-	-	364B	205E	-	-	
6288	-	100	36	12WF45	-	-	-	-	-	-	205E	364I	-	-	
6289	-	100	36	12WF36	-	-	-	-	-	-	364I	26.5K	-	-	
6290	-	100	36	12WF36	-	-	-	-	-	-	101B	101B	-	-	
6291	-	100	50	12WF50	-	-	-	-	-	-	101B	47.1K	-	-	
6292	-	100	50	12WF50	-	-	-	-	-	-	760B	36.1K	-	-	
6293	-	100	36	12WF36	-	-	-	-	-	-	26.5K	26.5K	-	-	
6294	-	100	36	12WF31	-	-	-	-	-	-	26.5K	26.5K	-	-	
6295	-	100	50	12WF79	-	-	-	-	-	-	760B	54.1K	-	-	
6296	-	100	50	12WF106	-	-	-	-	-	-	761B	101B	-	-	
6297	-	100	50	12WF40	-	-	-	-	-	-	54.1K	54.1K	-	-	
6298	-	465	50	12WF58	-	-	-	-	-	-	101B	54.1K	-	-	
6299	-	461	50	12WF92	-	-	-	-	-	-	102B	102B	-	-	

REMARKS

2 DETAIL 443A, LEFT END OF BEAM



SKILLING, HELLE, CHRISTIANSEN, ROBERTSON

Structural & Civil Engineers

PROJECT

THE WORLD TRADE CENTER

TITLE

BEAM SCHEDULE TOWERS A AND B

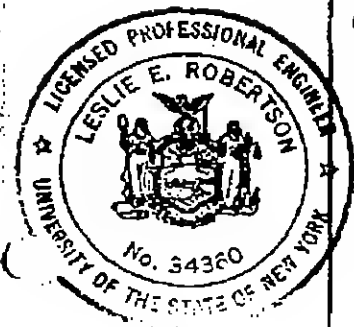
DATE 12/ 6/68

REVISIONS

BEAM NO.	SIZE	TYPE	FY	SHAPE	PLATE 1		PLATE 2		DIMENSIONS		SUPPORTS		STUDS		REMARKS
					WIDTH	THICK	WIDTH	THICK	LENGTH	DIM. A	LEFT	RIGHT	NO.	SIZE	
6300	-	100	36	12WF36	-	-	-	-	-	-	760B	101B	-	-	
6301	-	100	36	12WF72	-	-	-	-	-	-	101B	101B	-	-	
6302	-	100	36	12WF31	-	-	-	-	-	-	101B	26.5K	-	-	
6303	-	100	36	12WF65	-	-	-	-	-	-	515E	35.3K	-	-	
6304	-	100	36	12WF72	-	-	-	-	-	-	220H	205B	-	-	
6305	-	100	36	12WF58	-	-	-	-	-	-	445A	445A	-	-	
6306	-	100	36	12WF72	-	-	-	-	-	-	205B	220X	-	-	
6307	-	100	36	12WF79	-	-	-	-	-	-	205B	384K	-	-	
6308	-	100	36	12WF53	-	-	-	-	-	-	384K	384K	-	-	
6309	-	100	36	12WF36	-	-	-	-	-	-	384K	220H	-	-	
6310	-	100	36	12WF65	-	-	-	-	-	-	35.3K	515E	-	-	
6311	-	100	36	10WF21	-	-	-	-	-	-	761A	102B	-	-	
6312	-	100	36	10WF21	-	-	-	-	-	-	760	101	-	-	
6313	-	100	36	16WF36	-	-	-	-	-	-	767C	101C	-	-	
6314	-	100	36	16WF45	-	-	-	-	-	-	101C	101C	-	-	
6315	-	100	36	16WF36	-	-	-	-	-	-	101C	101C	-	-	
6316	-	100	36	16WF36	-	-	-	-	-	-	767C	26.5K	-	-	
6317	-	100	36	16WF40	-	-	-	-	-	-	35.3K	35.3K	-	-	
6318	-	100	36	14WF34	-	-	-	-	-	-	35.3K	35.3K	-	-	
6319	-	100	50	24WF76	-	-	-	-	-	-	767D	70.0K	-	-	
6320	-	100	50	24WF76	-	-	-	-	-	-	767D	101C	-	-	
6321	-	100	50	24WF68	-	-	-	-	-	-	767D	70.0K	-	-	
6322	-	100	50	18WF65	-	-	-	-	-	-	53.0K	53.0K	-	-	
6323	-	100	50	18WF45	-	-	-	-	-	-	101C	53.0K	-	-	
6324	-	100	50	16WF40	-	-	-	-	-	-	39.0K	39.0K	-	-	
6325	-	100	36	16WF36	-	-	-	-	-	-	767C	101C	-	-	
6326	-	100	50	12WF79	-	-	-	-	-	-	54.1K	102B	-	-	
6327	-	460	50	12WF99	-	-	-	-	-	-	102B	102B	-	-	
6328	-	100	50	21WF55	-	-	-	-	-	-	101C	101C	-	-	
6329	-	100	36	14WF34	-	-	-	-	-	-	101C	35.3K	-	-	
6330	-	100	50	12WF85	-	-	-	-	-	-	109A	108B	-	-	
6331	-	100	36	18WF55	-	-	-	-	-	-	102C	102C	-	-	
6332	-	100	36	18WF55	-	-	-	-	-	-	102C	102C	-	-	
6333	-	100	36	10WF21	-	-	-	-	-	-	770A	26.5K	-	-	

REMARKS

1 DETAIL 205B, INTERMEDIATE SUPPORT OF BEAM



SKILLING, HELLE, CHRISTIANSEN, ROBERTSON

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BEAM SCHEDULE TOWERS A AND B

DATE 12/ 6/68

REVISIONS

BEAM NO.	SIZE	TYPE	FY	SHAPE	PLATE 1		PLATE 2		DIMENSIONS		SUPPORTS		STUDS		REMARKS
					WIDTH	THICK	WIDTH	THICK	LENGTH	DIM. A	LEFT	RIGHT	NO.	SIZE	
6334	-	100	36	10WF21	-	-	-	-	-	-	761	17.4K	-	-	
6335	-	100	36	12WF45	-	-	-	-	-	-	761B	101B	-	-	
6336	-	100	50	12WF92	-	-	-	-	-	-	8 760B	101B	-	-	
6337	-	100	50	12WF72	-	-	-	-	-	-	47.1K	102B	-	-	
6338	-	100	36	16WF40	-	-	-	-	-	-	102C	767C	-	-	
6339	-	100	36	10WF21	-	-	-	-	-	-	775	101	-	-	
6340	-	100	36	12WF50	-	-	-	-	-	-	760B	101B	-	-	
6341	-	100	36	14WF30	-	-	-	-	-	-	26.5K	26.5K	-	-	
6342	-	100	36	14WF30	-	-	-	-	-	-	26.5K	102C	-	-	
6343	-	100	36	8B13	-	-	-	-	-	-	17.4K	17.4K	-	-	
6344	-	100	36	10WF21	-	-	-	-	-	-	770A	101C	-	-	
6345	-	100	36	12WF31	-	-	-	-	-	-	26.5K	760B	-	-	
6346	-	100	50	12WF58	-	-	-	-	-	-	101B	108B	-	-	
6347	-	100	36	12WF36	-	-	-	-	-	-	102B	102B	-	-	
6348	-	100	50	24WF76	-	-	-	-	-	-	172A	772B	-	-	
6349	-	100	50	12WF53	-	-	-	-	-	-	107A	39.8K	-	-	
6350	-	100	36	12B 16.5	-	-	-	-	-	-	26.5K	26.5K	-	-	
6351	-	100	36	12WF50	-	-	-	-	-	-	39.8K	39.8K	-	-	
6352	-	100	36	12B19	-	-	-	-	-	-	26.5K	26.5K	-	-	
6353	-	100	36	12WF40	-	-	-	-	-	-	36.1K	107A	-	-	
6354	-	100	36	12WF36	-	-	-	-	-	-	102B	26.5K	-	-	
6355	-	100	50	21WF55	-	-	-	-	-	-	53.0K	53.0K	-	-	
6356	-	100	50	18WF53	-	-	-	-	-	-	39.8K	102B	-	-	
6357	-	100	50	12WF53	-	-	-	-	-	-	39.8K	39.8K	-	-	
6358	-	100	50	12WF58	-	-	-	-	-	-	100A	101B	-	-	
6359	-	100	36	12WF53	-	-	-	-	-	-	101B	39.8K	-	-	
6360	-	100	36	12WF31	-	-	-	-	-	-	101B	36.1K	-	-	
6361	-	100	36	12WF36	-	-	-	-	-	-	26.5K	26.5K	-	-	
6362	-	100	36	18WF45	-	-	-	-	-	-	220H	205A	-	-	
6363	-	700	36	16WF36	9	1/2	-	-	SEE SUPT. DET.	-	707A	706A	48	3/4X3	
6364	-	100	36	18WF45	-	-	-	-	-	-	205A	205A	-	-	1
6365	-	100	36	18WF45	-	-	-	-	-	-	205A	205A	-	-	
6366	16X6-BU	300	36	-	6	1	14	1/2	-	-	720	719	-	-	2

REMARKS

- 1 DETAIL 414A, RIGHT END OF BEAM
- 2 TOWER A LEVEL 264 DETAIL 719A FOR RIGHT SUPPORT



ROBERTSON CHRISTIANSEN ROBERTSON

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THE WORLD TRADE CENTER TITLE BEAM SCHEDULE TOWERS A AND B DATE 12/ 6/68

BEAM NO.	SIZE	TYPE	FY	SHAPE	PLATE 1		PLATE 2		DIMENSIONS		SUPPORTS		STUDS		REMARKS	
					WIDTH	THICK	WIDTH	THICK	LENGTH	DIM. A	LEFT	RIGHT	NO.	SIZE		
6367	-	100	36	18WF45	-	-	-	-	-	-	391E	220H	-	-		
6368	-	100	36	12WF40	-	-	-	-	-	-	36.1K	36.1K	-	-		
6369	-	100	50	33WF118	-	-	-	-	-	-	108A	109A	-	-		
6370	-	100	50	12WF92	-	-	-	-	-	-	70.7K	761E	-	-		
6371	-	100	50	12WF79	-	-	-	-	-	-	47.1K	760B	-	-		
6372	-	100	36	12WF27	-	-	-	-	-	-	503A	276B	-	-		
6373	-	100	50	12WF27	-	-	-	-	-	-	276B	350C	-	-		
6374	-	100	36	10WF21	-	-	-	-	-	-	101	760	-	-		
6375	-	100	36	12WF27	-	-	-	-	-	-	26.5K	738	-	-		
6376	-	700	36	12WF27	8-1/2	1/2	-	-	SEE SUPT. DET.	736A	739	36	3/4X3			
6377	-	700	36	12WF27	8-1/2	1/2	-	-	SEE SUPT. DET.	736A	739	36	3/4X3			
6378	-	100	36	12WF27	-	-	-	-	-	-	738	26.5K	-	-		
6379	-	700	50	18WF45	9-1/2	1/2	-	-	SEE SUPT. DET.	703A	705C	58	3/4X3			
6380	-	100	50	18WF45	-	-	-	-	-	-	703B	703B	58	3/4X3		
6381	-	100	36	18WF45	-	-	-	-	-	-	703B	702A	30	3/4X3		
6382	-	100	36	16WF36	-	-	-	-	-	-	711B	705B	48	3/4X3		
6383	-	700	36	16WF36	9	1/2	-	-	SEE SUPT. DET.	705A	705B	48	3/4X3			
6384	-	100	36	16WF36	-	-	-	-	-	-	703C	703C	48	3/4X3		
6385	-	100	36	16WF36	-	-	-	-	-	-	703C	702A	30	3/4X3		
6386	-	700	50	16WF36	9	1/2	-	-	SEE SUPT. DET.	723A	739	48	3/4X3			
6387	-	100	50	16WF45	-	-	-	-	-	-	710A	26.5K	48	3/4X3		
6388	-	100	50	16WF45	-	-	-	-	-	-	710A	26.5K	48	3/4X3		
6389	-	700	36	16WF40	9	1/2	-	-	SEE SUPT. DET.	715	711B	52	3/4X3			
6390	-	100	36	16WF40	-	-	-	-	-	-	711B	711C	52	3/4X3		
6391	-	100	36	16WF40	-	-	-	-	-	-	711C	709B	52	3/4X3		
6392	-	100	36	16WF36	-	-	-	-	-	-	719A	703D	20	3/4X3		
6393	-	100	36	16WF40	-	-	-	-	-	-	710A	710A	52	3/4X3		
6394	-	100	36	16WF36	-	-	-	-	-	-	710A	709	52	3/4X3		
6395	-	100	36	16WF36	-	-	-	-	-	-	705B	703C	20	3/4X3		
6396	-	100	36	16WF36	-	-	-	-	-	-	710A	710A	25	3/4X3		
6397	-	100	36	16WF45	-	-	-	-	-	-	739	724A	58	3/4X3		
6398	-	700	36	16WF40	9	1/2	-	-	SEE SUPT. DET.	724A	710A	-	-			
6399	-	700	36	16WF40	9	1/2	-	-	SEE SUPT. DET.	710A	710A	52	3/4X3			



SKILLING, HELLE, CHRISTIANSEN, ROBERTSON

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BEAM SCHEDULE TOWERS A AND B

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REVISIONS

BEAM NO.	SIZE	TYPE	FY	SHAPE	PLATE 1		PLATE 2		DIMENSIONS		SUPPORTS		STUDS		REMARKS
					WIDTH	THICK	WIDTH	THICK	LENGTH	DIM. A	LEFT	RIGHT	NO.	SIZE	
6400	-	100	36	16WF3	-	-	-	-	-	-	710A	709D	52	3/4X3	
6401	-	700	50	16WF45	9	1/2	-	-	SEE SUPT. DET.	-	739	710A	48	3/4X3	
6402	-	700	50	16WF45	9	1/2	-	-	SEE SUPT. DET.	-	739	710A	48	3/4X3	
6403	-	700	36	18WF50	9-1/2	1/2	-	-	SEE SUPT. DET.	-	717	718	58	3/4X3	
6404	-	700	50	16WF45	9	1/2	-	-	SEE SUPT. DET.	-	718	711C	52	3/34	
6405	-	700	50	16WF45	9	1/2	-	-	SEE SUPT. DET.	-	711C	709B	52	3/4X3	
6406	-	100	36	24WF68	-	-	-	-	-	-	719	718	-	-	2X
6407	-	700	36	16WF36	9	1/2	-	-	SEE SUPT. DET.	-	26.5K	711C	40	3/4X3	
6408	-	700	50	18WF50	9-1/2	1/2	-	-	SEE SUPT. DET.	-	709	709C	64	3/4X3	
6409	-	700	36	16WF45	9	1/2	-	-	SEE SUPT. DET.	-	709C	709	30	3/4X3	
6410	-	700	50	18WF50	9-1/2	1/2	-	-	SEE SUPT. DET.	-	709	709	64	3/4X3	
6411	-	100	36	8B15	-	-	-	-	-	-	17.4K	771D	-	-	
6412	-	100	36	8B15	-	-	-	-	-	-	17.4K	771B	-	-	
6413	-	100	36	8B 15	-	-	-	-	-	-	17.4K	771B	-	-	
6414	-	100	36	6CH10.5	-	-	-	-	-	-	8.8K	363B	-	-	
6415	-	100	36	10WF21	-	-	-	-	-	-	774B	26.5K	-	-	
6416	-	100	36	8B13	-	-	-	-	-	-	17.4K	17.4K	-	-	
6417	-	100	36	12WF27	-	-	-	-	-	-	26.5K	771C	-	-	
6418	-	100	36	12WF40	-	-	-	-	-	-	47.1K	391C	-	-	
6419	-	100	36	18WF45	-	-	-	-	-	-	472C	472A	-	-	
6420	-	100	36	18WF45	-	-	-	-	-	-	705C	702B	30	3/4X3	
6421	-	700	36	18WF45	9-1/2	1/2	-	-	SEE SUPT. DET.	-	703A	703A	30	3/4X3	
6422	-	100	36	12WF50	-	-	-	-	-	-	353B	353B	-	-	
6423	-	100	36	12WF50	-	-	-	-	-	-	353B	353B	-	-	
6424	-	459	50	24WF62	-	-	-	-	-	-	283T	394B	-	-	
6425	-	100	36	12WF36	-	-	-	-	-	-	220A	349B	-	-	
6426	-	100	36	12WF36	-	-	-	-	-	-	364H	349C	-	-	
6427	-	100	36	12WF27	-	-	-	-	-	-	349C	334A	-	-	
6428	-	100	36	12WF85	-	-	-	-	-	-	364A	364I	-	-	
6429	-	100	36	12WF65	-	-	-	-	-	-	364I	364I	-	-	
6430	-	100	36	12WF36	-	-	-	-	-	-	364I	220L	-	-	
6431	-	100	36	12WF40	-	-	-	-	-	-	26.5K	26.5K	-	-	
6432	-	100	36	12WF40	-	-	-	-	-	-	111P	111P	-	-	
6433	-	100	36	8B13	-	-	-	-	-	-	17.4K	17.4K	-	-	

REMARKS

- 1 DETAIL 3101, INTERMEDIATE SUPPORT
- 2 TOWER B LEVEL 264. DETAIL 719A FOR LEFT SUPPORT.



SKILLING, HELLE, CHRISTIANSEN, ROBERTSON

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PROJECT THE WORLD TRADE CENTER					TITLE BEAM SCHEDULE TOWERS A AND B							DATE 12/ 6/68			
BEAM NO.	SIZE	TYPE	FY	SHAPE	PLATE 1		PLATE 2		DIMENSIONS		SUPPORTS		STUDS		REMARKS
					WIDTH	THICK	WIDTH	THICK	LENGTH	DIM. A	LEFT	RIGHT	NO.	SIZE	
6434	-	100	36	8B13	-	-	-	-	-	-	17.4K	17.4K	-	-	2
6435	-	100	36	12WF79	-	-	-	-	-	-	111B	111C	-	-	
6436	-	100	36	12WF79	-	-	-	-	-	-	111B	111B	-	-	
6437	-	100	36	12WF53	-	-	-	-	-	-	111C	111C	-	-	
6438	-	100	36	12WF36	-	-	-	-	-	-	310F	26.5K	-	-	
6439	-	100	36	12WF36	-	-	-	-	-	-	26.5K	111A	-	-	X
6440	-	100	36	12B19	-	-	-	-	-	-	26.5K	26.5K	-	-	
6441	-	100	36	12WF27	-	-	-	-	-	-	287B	26.5K	-	-	
6442	-	100	36	12B19	-	-	-	-	-	-	26.5K	26.5K	-	-	
6443	-	100	36	12WF72	-	-	-	-	-	-	111C	111C	-	-	
6444	-	100	36	12WF72	-	-	-	-	-	-	111A	111A	-	-	14 3/4X3
6445	-	100	36	12WF53	-	-	-	-	-	-	111C	111C	-	-	
6446	-	100	36	14B22	-	-	-	-	-	-	26.5K	26.5K	-	-	
6447	-	100	36	12B22	-	-	-	-	-	-	26.5K	760E	-	-	
6448	-	100	36	10WF21	-	-	-	-	-	-	26.5K	760A	-	-	
6449	-	100	36	12WF27	-	-	-	-	-	-	283I	283I	-	-	-
6450	-	100	36	18WF45	-	-	-	-	-	-	472I	472K	-	-	
6451	-	100	36	12WF27	-	-	-	-	-	-	26.5K	26.5K	-	-	
6452	-	100	36	18WF50	-	-	-	-	-	-	472I	472K	-	-	
6453	-	100	36	16WF45	-	-	-	-	-	-	395D	364J	-	-	
6454	-	100	36	16WF45	-	-	-	-	-	-	364J	364J	-	-	-
6455	-	100	36	16WF45	-	-	-	-	-	-	364J	220L	-	-	
6456	-	100	36	12B35.0	-	-	-	-	-	-	283M	26.5K	-	-	
6457	-	100	50	36WF135	-	-	-	-	-	-	400A	400A	-	-	
6458	-	100	36	12WF31	-	-	-	-	-	-	400A	326A	-	-	
6459	-	100	36	12WF79	-	-	-	-	-	-	364B	310I	-	-	1
6460	-	100	36	12WF72	-	-	-	-	-	-	205E	364I	-	-	
6461	-	100	36	12WF36	-	-	-	-	-	-	364I	220L	-	-	
6462	-	100	36	12WF27	-	-	-	-	-	-	283A	26.5K	-	-	
6463	-	100	36	16WF45	-	-	-	-	-	-	307B	272B	-	-	
6464	-	100	36	16WF45	-	-	-	-	-	-	272B	364F	-	-	-
6465	-	100	36	16WF45	-	-	-	-	-	-	364F	220L	-	-	
6466	-	100	36	18WF60	-	-	-	-	-	-	283A	283Z	-	-	

REMARKS

- 1 DET. 445A LEFT END OF BEAM.
- 2 DET. 111C RIGHT END OF BEAM, MODIFIED SEE 6-85



SKILLING, HELLE, CHRISTIANSEN, ROBERTSON

Structural & Civil Engineers

PROJECT

THE WORLD TRADE CENTER

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BEAM SCHEDULE TOWERS A AND B

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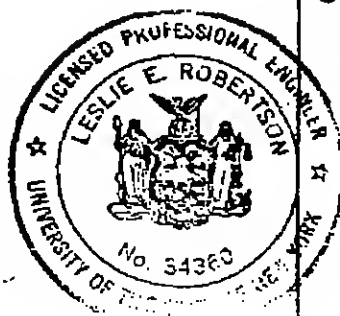
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REVISIONS

BEAM NO.	SIZE	TYPE	FY	SHAPE	PLATE 1		PLATE 2		DIMENSIONS		SUPPORTS		STUDS		REMARKS
					WIDTH	THICK	WIDTH	THICK	LENGTH	DIM. A	LEFT	RIGHT	NO.	SIZE	
6467	-	100	36	18WF50	-	-	-	-	-	-	472A	472A	-	-	
6468	-	100	36	12WF27	-	-	-	-	-	-	26.5K	26.5K	-	-	
6469	-	100	36	18WF45	-	-	-	-	-	-	283A	334E	-	-	
6470	-	100	36	12WF50	-	-	-	-	-	-	391A	47.1K	-	-	
6471	-	100	36	12WF27	-	-	-	-	-	-	26.5K	26.5K	-	-	
6472	-	100	36	12WF85	-	-	-	-	-	-	220Y	391D	-	-	
6473	-	100	36	12WF85	-	-	-	-	-	-	391D	220Y	-	-	X
6474	-	100	36	12WF79	-	-	-	-	-	-	761	26.5K	-	-	
6475	-	100	36	12WF79	-	-	-	-	-	-	26.5K	26.5K	-	-	
6476	-	100	36	16WF45	-	-	-	-	-	-	220L	205D	-	-	
6477	-	100	36	16WF40	-	-	-	-	-	-	401B	401B	-	-	
6478	-	100	36	16WF45	-	-	-	-	-	-	205D	220H	-	-	
6479	-	100	36	12WF31	-	-	-	-	-	-	283M	283M	-	-	
6480	-	100	36	12I50.0	-	-	-	-	-	-	111Q	172A	-	-	3
6481	-	100	36	18WF45	-	-	-	-	-	-	283A	472C	-	-	
6482	-	100	36	18WF50	-	-	-	-	-	-	472A	472H	-	-	
6483	-	100	50	12WF50	-	-	-	-	-	-	54.1K	54.1K	-	-	
6484	-	100	36	18WF45	-	-	-	-	-	-	472C	472H	-	-	
6485	-	100	36	12WF50	-	-	-	-	-	-	26.5K	26.5K	-	-	
6486	-	100	36	12WF45	-	-	-	-	-	-	26.5K	26.5K	-	-	
6487	-	100	36	12WF120	-	-	-	-	-	-	90.2K	391B	-	-	
6488	-	100	36	12WF120	-	-	-	-	-	-	391B	238	-	-	
6489	-	100	36	24I79.9	-	-	-	-	-	-	220	205	-	-	
6490	-	100	36	24I79.9	-	-	-	-	-	-	35.3K	35.3K	-	-	
6491	-	100	36	24I79.9	-	-	-	-	-	-	205B	220F	-	-	
6492	-	100	36	16B31	-	-	-	-	-	-	26.5K	26.5K	-	-	
6493	-	100	36	16B31	-	-	-	-	-	-	254C	364L	-	-	2
6494	-	100	36	16B31	-	-	-	-	-	-	364L	220E	-	-	
6495	-	100	36	12WF85	-	-	-	-	-	-	220X	364K	-	-	1
6496	-	100	36	12WF72	-	-	-	-	-	-	364K	364K	-	-	
6497	-	100	36	12WF36	-	-	-	-	-	-	364K	220H	-	-	
6498	-	100	36	6B16	-	-	-	-	-	-	276B	13.3K	-	-	
6499	-	100	36	12WF31	-	-	-	-	-	-	370M	350C	-	-	

REMARKS

- 1 DETAIL 205B, INTERMEDIATE SUPPORT
- 2 DETAIL 205Z, INTERMEDIATE SUPPORT
- 3 CUT AND CHIP LEFT END OF BEAM TO FIT DET. 111



SKILLING, HELLE, CHRISTIANSEN, ROBERTSON

Structural & Civil Engineers

PROJECT

THE WORLD TRADE CENTER

TITLE

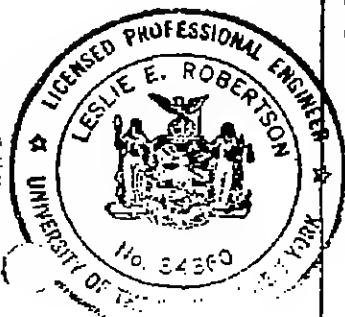
BEAM SCHEDULE TOWERS A AND B

DATE

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REVISIONS

BEAM NO.	SIZE	TYPE	FY	SHAPE	PLATE 1		PLATE 2		DIMENSIONS		SUPPORTS		STUDS		REMARKS
					WIDTH	THICK	WIDTH	THICK	LENGTH	DIM. A	LEFT	RIGHT	NO.	SIZE	
6500	-	100	50	18WF50	-	-	-	-	-	-	709	709B	58	3/4X3	
6501	-	100	36	12WF31	-	-	-	-	-	-	325A	400A	-	-	
6502	-	100	36	12WF65	-	-	-	-	-	-	338H	364G	-	-	
6503	-	100	36	12WF65	-	-	-	-	-	-	364G	364G	-	-	
6504	-	100	36	12WF65	-	-	-	-	-	-	364G	399B	-	-	
6505	-	100	36	12WF36	-	-	-	-	-	-	26.5K	111A	-	-	X
6506	-	100	36	12WF45	-	-	-	-	-	-	53.0K	53.0K	-	-	
6507	-	100	36	12WF45	-	-	-	-	-	-	111U	111U	-	-	
6508	-	100	36	8B13	-	-	-	-	-	-	17.4K	17.4K	-	-	
6509	-	100	36	14B22	-	-	-	-	-	-	509E	26.5K	-	-	
6510	-	100	50	12WF79	-	-	-	-	-	-	110A	760B	-	-	
6511	-	100	50	12WF72	-	-	-	-	-	-	101B	101B	-	-	
6512	-	100	50	12WF79	-	-	-	-	-	-	101B	760B	-	-	
6513	-	100	50	12WF92	-	-	-	-	-	-	101B	101B	-	-	
6514	-	100	36	16WF45	-	-	-	-	-	-	205D	220L	-	-	
6515	-	100	36	12WF85	-	-	-	-	-	-	220H	364M	-	-	
6516	-	100	36	12WF85	-	-	-	-	-	-	364M	220Y	-	-	
6517	-	700	36	14WF30	9	1/2	-	-	SEE SUPT. DET.		739	702B	25	3/4X3	
6518	-	100	36	12WF31	-	-	-	-	-	-	220M	435A	-	-	
6519	-	100	36	16WF45	-	-	-	-	-	-	709B	702A	45	3/4X3	
6520	-	100	50	12WF58	-	-	-	-	-	-	54.1K	760B	-	-	
6521	-	100	36	12WF58	-	-	-	-	-	-	111C	111A	-	-	
6522	-	100	36	12WF58	-	-	-	-	-	-	111A	111C	-	-	
6523	-	100	36	12WF27	-	-	-	-	-	-	364H	336A	-	-	
6524	-	100	36	12WF45	-	-	-	-	-	-	54.1K	54.1K	-	-	
6525	-	100	50	12WF92	-	-	-	-	-	-	70.7K	760D	-	-	
6526	-	100	36	8B13	-	-	-	-	-	-	101A	17.4K	-	-	
6527	-	100	50	12WF85	-	-	-	-	-	-	54.1K	54.1K	-	-	
6528	-	100	50	12WF53	-	-	-	-	-	-	101B	761B	-	-	
6529	-	100	50	12WF53	-	-	-	-	-	-	101B	761B	-	-	
6530	-	100	50	12WF58	-	-	-	-	-	-	54.1K	760D	-	-	
6531	-	100	50	12WF53	-	-	-	-	-	-	54.1K	54.1K	-	-	
6532	-	463	50	12WF72	-	-	-	-	-	-	101B	760B	-	-	
6533	-	100	50	12WF72	-	-	-	-	-	-	54.1K	760B	-	-	



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THE WORLD TRADE CENTER

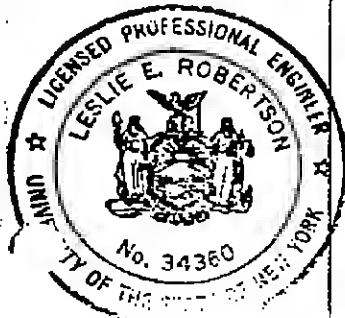
TITLE

BEAM SCHEDULE TOWERS A AND B

DATE 12/ 6/68

REVISIONS

BEAM NO.	SIZE	TYPE	FY	SHAPE	PLATE 1		PLATE 2		DIMENSIONS		SUPPORTS		STUDS		REMARKS
					WIDTH	THICK	WIDTH	THICK	LENGTH	DIM. A	LEFT	RIGHT	NO.	SIZE	
6534	-	100	50	12WF58	-	-	-	-	-	-	101B	751C	-	-	
6535	-	100	50	12WF79	-	-	-	-	-	-	47.1K	760D	-	-	
6536	-	100	50	12WF53	-	-	-	-	-	-	104A	760B	-	-	
6537	-	100	50	12WF53	-	-	-	-	-	-	54.1K	760B	-	-	
6538	-	100	50	12WF58	-	-	-	-	-	-	54.1K	54.1K	-	-	
6539	-	100	50	12WF58	-	-	-	-	-	-	54.1K	101B	-	-	X
6540	-	100	50	12WF50	-	-	-	-	-	-	54.1K	54.1K	-	-	
6541	-	100	50	12WF50	-	-	-	-	-	-	54.1K	101B	-	-	
6542	-	100	50	12WF58	-	-	-	-	-	-	54.1K	54.1K	-	-	
6543	-	100	50	12WF58	-	-	-	-	-	-	54.1K	101B	-	-	
6544	-	100	50	12WF79	-	-	-	-	-	-	54.1K	101B	-	-	
6545	-	100	50	12WF92	-	-	-	-	-	-	66.3K	66.3K	-	-	
6546	-	100	50	12WF79	-	-	-	-	-	-	102B	102B	-	-	
6547	-	462	50	12WF92	-	-	-	-	-	-	54.1K	102B	-	-	
6548	-	100	50	12WF92	-	-	-	-	-	-	102B	102B	-	-	
6549	-	100	50	12WF190	-	-	-	-	-	-	102B	102B	-	-	
6550	-	100	50	12WF92	-	-	-	-	-	-	102B	54.1K	-	-	
6551	-	100	36	12WF27	-	-	-	-	-	-	26.5K	26.5K	-	-	
6552	16X5-1/2BX	204	36	-	4	3/8	16	3/4	-	-	206A	450	-	-	
6553	-	100	36	12WF79	-	-	-	-	-	-	205B	220X	-	-	
6554	-	100	36	12WF79	-	-	-	-	-	-	287F	287B	-	-	
6555	-	100	36	16WF36	-	-	-	-	-	-	711C	26.5K	40	3/4X3	
6556	-	100	36	16WF45	-	-	-	-	-	-	702B	709B	45	3/4X3	
6557	-	100	50	18WF50	-	-	-	-	-	-	709B	709D	58	3/4X3	
6558	-	100	36	21WF55	-	-	-	-	-	-	283C	283C	-	-	
6559	-	100	50	12WF79	-	-	-	-	-	-	54.1K	102B	-	-	
6560	-	100	50	12WF45	-	-	-	-	-	-	101B	101B	-	-	
6561	-	100	50	12WF79	-	-	-	-	-	-	756B	101B	-	-	
6562	-	100	50	12WF65	-	-	-	-	-	-	101B	53.0K	-	-	
6563	-	100	36	10WF21	-	-	-	-	-	-		17.4K	-	-	
6564	-	100	36	10WF21	-	-	-	-	-	-	774E	26.5K	-	-	
6565	-	100	36	10WF21	-	-	-	-	-	-	751	17.4K	-	-	
6566	-	100	36	10WF21	-	-	-	-	-	-	756	17.4K	-	-	



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THE WORLD TRADE CENTER

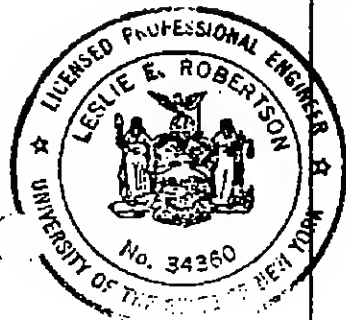
TITLE

BEAM SCHEDULE TOWERS A AND B

DATE 12/ 6/68

REVISIONS

BEAM NO.	SIZE	TYPE	FY	SHAPE	PLATE 1		PLATE 2		DIMENSIONS		SUPPORTS		STUDS		REMARKS
					WIDTH	THICK	WIDTH	THICK	LENGTH	DIM. A	LEFT	RIGHT	NO.	SIZE	
6567	-	100	36	10WF21	-	-	-	-	-	-	756	102	-	-	
6568	-	100	50	12WF79	-	-	-	-	-	-	774A	54.1K	-	-	
6569	-	100	50	12WF79	-	-	-	-	-	-	757B	54.1K	-	-	
6570	-	100	36	10WF21	-	-	-	-	-	-	761	17.4K	-	-	
6571	-	100	50	30WF108	-	-	-	-	-	-	312A	108.0K	-	-	
6572	-	100	36	10WF21	-	-	-	-	-	-	757	17.4K	-	-	
6573	-	100	50	30WF108	-	-	-	-	-	-	283L	108.0K	-	-	X
6574	16X5-1/2BX	201	36	-	4	3/8	16	3/4	-	-	265C	206B	-	-	
6575	-	100	50	30WF108	-	-	-	-	-	-	108.0K	283L	-	-	
6576	-	100	50	30WF108	-	-	-	-	-	-	108.0K	312A	-	-	
6577	-	100	36	8B13	-	-	-	-	-	-	17.4K	17.4K	-	-	
6578	-	100	36	8B13	-	-	-	-	-	-	17.4K	17.4K	-	-	
6579	-	100	36	12I31.8	-	-	-	-	-	-	26.5K	773A	-	-	
6580	-	100	36	10WF21	-	-	-	-	-	-	17.4K	757	-	-	
6581	-	100	36	10WF21	-	-	-	-	-	-	102	756	-	-	
6582	-	100	50	12WF79	-	-	-	-	-	-	54.1K	757B	-	-	
6583	-	100	50	12WF79	-	-	-	-	-	-	54.1K	774A	-	-	
6584	-	100	36	12WF31	-	-	-	-	-	-	325A	400A	-	-	
6585	-	100	50	12WF120	-	-	-	-	-	-	102B	172A	-	-	
6586	-	100	50	12WF120	-	-	-	-	-	-	172A	102B	-	-	
6587	-	100	36	8B 15	-	-	-	-	-	-	17.4K	758B	-	-	
6588	-	100	36	10WF21	-	-	-	-	-	-	758A	26.5K	-	-	
6589	-	100	50	24WF68	-	-	-	-	-	-	775C	775C	-	-	
6590	-	100	36	10WF21	-	-	-	-	-	-	756A	26.5K	-	-	
6591	-	100	36	10WF21	-	-	-	-	-	-	756A	101B	-	-	
6592	-	100	36	10WF21	-	-	-	-	-	-	756A	26.5K	-	-	
6593	-	100	36	10WF21	-	-	-	-	-	-	760E	101B	-	-	
6594	-	100	36	10WF21	-	-	-	-	-	-	756A	26.5K	-	-	
6595	-	100	36	10WF21	-	-	-	-	-	-	756A	26.5K	-	-	
6596	-	100	36	10WF21	-	-	-	-	-	-	756A	101B	-	-	
6597	-	100	36	8B13	-	-	-	-	-	-	102	17.4K	-	-	
6598	-	100	50	12WF79	-	-	-	-	-	-	172A	774A	-	-	
6599	-	100	36	12WF36	-	-	-	-	-	-	102B	102B	-	-	



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PROJECT THE WORLD TRADE CENTER					TITLE BEAM SCHEDULE TOWERS A AND B						DATE 2/ 9/68				
					PLATE 1		PLATE 2		DIMENSIONS		SUPPORTS		STUDS		
BEAM NO.	SIZE	TYPE	FY	SHAPE	WIDTH	THICK	WIDTH	THICK	LENGTH	DIM. A	LEFT	RIGHT	NO.	SIZE	REMARKS
6600	-	100	36	12B19	-	-	-	-	-	-	26.5K	26.5K	-	-	
6601	-	100	36	12WF31	-	-	-	-	-	-	26.5K	773B	-	-	
6602	-	100	36	12WF31	-	-	-	-	-	-	26.5K	775	-	-	
6604	-	100	36	12WF45	-	-	-	-	-	-	101B	39.0K	-	-	
6605	-	100	50	12WF92	-	-	-	-	-	-	107A	107A	-	-	
6606	-	100	50	12WF53	-	-	-	-	-	-	39.0K	39.0K	-	-	
6607	-	100	36	12WF31	-	-	-	-	-	-	26.5K	773	-	-	
6608	-	100	50	12WF58	-	-	-	-	-	-	101B	101B	-	-	
6609	-	100	50	12WF58	-	-	-	-	-	-	101B	101B	-	-	
6610	-	100	50	12WF53	-	-	-	-	-	-	101B	54.1K	-	-	
6611	-	100	50	12WF45	-	-	-	-	-	-	53.0K	53.0K	-	-	
6612	-	100	36	12WF36	-	-	-	-	-	-	102B	756B	-	-	
6613	-	100	36	8B 15	-	-	-	-	-	-	771B	17.4K	-	-	
6614	-	100	50	12WF79	-	-	-	-	-	-	110A	774A	-	-	
6615	-	100	36	12WF58	-	-	-	-	-	-	26.5K	756	-	-	
6616	-	100	50	12WF58	-	-	-	-	-	-	310I	54.1K	-	-	
6617	-	100	50	12WF58	-	-	-	-	-	-	101B	757B	-	-	
6618	-	100	50	24WF68	-	-	-	-	-	-	775B	775B	-	-	
6619	-	100	50	12WF161	-	-	-	-	-	-	101B	757B	-	-	
6620	-	100	50	12WF53	-	-	-	-	-	-	53.0K	756B	-	-	
6621	-	100	50	12WF53	-	-	-	-	-	-	101B	756B	-	-	
6622	-	100	50	12WF53	-	-	-	-	-	-	101B	757B	-	-	
6623	-	100	36	12WF31	-	-	-	-	-	-	101	756	-	-	
6624	-	100	50	12WF58	-	-	-	-	-	-	101B	101B	-	-	
6625	-	100	50	12WF58	-	-	-	-	-	-	54.1K	54.1K	-	-	
6626	-	100	50	12WF58	-	-	-	-	-	-	54.1K	101B	-	-	
6627	-	100	50	12WF58	-	-	-	-	-	-	54.1K	54.1K	-	-	
6628	-	100	50	12WF58	-	-	-	-	-	-	54.1K	101B	-	-	
6629	-	100	50	12WF72	-	-	-	-	-	-	54.1K	54.1K	-	-	
6630	-	100	50	12WF58	-	-	-	-	-	-	54.1K	101B	-	-	
6631	-	100	50	12WF58	-	-	-	-	-	-	54.1K	54.1K	-	-	
6632	-	100	50	12WF58	-	-	-	-	-	-	54.1K	101B	-	-	
6633	-	100	50	12WF72	-	-	-	-	-	-	54.1K	101B	-	-	

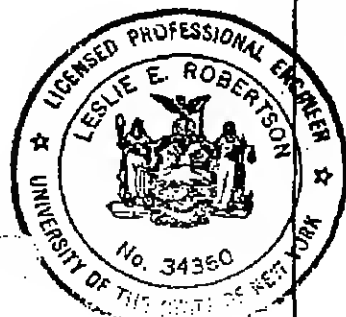


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Structural & Civil Engineers

PROJECT	THE WORLD TRADE CENTER	TITLE	BEAM SCHEDULE TOWERS A AND B	DATE	12/ 6/68
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REVISIONS

BEAM NO.	SIZE	TYPE	FY	SHAPE	PLATE 1		PLATE 2		DIMENSIONS		SUPPORTS		STUDS		REMARKS
					WIDTH	THICK	WIDTH	THICK	LENGTH	DIM. A	LEFT	RIGHT	NO.	SIZE	
6634	-	100	50	12WF72	-	-	-	-	-	-	54.1K	54.1K	-	-	
6635	-	100	50	12WF79	-	-	-	-	-	-	102B	102B	-	-	
6636	-	100	50	12WF92	-	-	-	-	-	-	54.1K	102B	-	-	
6637	-	100	50	12WF190	-	-	-	-	-	-	102B	102B	-	-	
6638	-	100	36	10WF21	-	-	-	-	-	-	102B	102B	-	-	
6639	-	100	50	12WF79	-	-	-	-	-	-	102B	54.1K	-	-	
6640	-	100	50	12WF72	-	-	-	-	-	-	111A	111A	-	-	
6641	-	100	50	12WF72	-	-	-	-	-	-	111A	111C	-	-	
6642	-	100	36	12WF27	-	-	-	-	-	-	26.5K	395D	-	-	
6643	-	100	36	12WF45	-	-	-	-	-	-	364	364	-	-	
6644	-	100	36	8B15	-	-	-	-	-	-	17.4K	778A	-	-	
6645	-	100	36	8B15	-	-	-	-	-	-	778A	17.4K	-	-	
6646	-	100	36	12WF27	-	-	-	-	-	-	751F	26.5K	-	-	
6647	-	100	36	10WF21	-	-	-	-	-	-	752	17.4K	-	-	
6648	-	100	36	10WF21	-	-	-	-	-	-	752A	102B	-	-	
6649	-	100	36	10WF21	-	-	-	-	-	-	751	102	-	-	
6650	-	100	36	10WF21	-	-	-	-	-	-	752A	26.5K	-	-	
6651	-	100	36	8B15	-	-	-	-	-	-	778A	17.4K	-	-	
6652	-	100	36	8B13	-	-	-	-	-	-	17.4K	17.4K	-	-	
6653	-	100	36	12WF45	-	-	-	-	-	-	751B	101B	-	-	
6654	-	100	36	8B15	-	-	-	-	-	-	17.4K	778A	-	-	
6655	-	100	36	10WF21	-	-	-	-	-	-	17.4K	17.4K	-	-	
6656	-	100	36	8B13	-	-	-	-	-	-	17.4K	17.4K	-	-	
6657	-	100	36	10B15	-	-	-	-	-	-	17.4K	779A	-	-	
6658	-	100	36	8B13	-	-	-	-	-	-	17.4K	17.4K	-	-	
6659	-	100	36	8B13	-	-	-	-	-	-	17.4K	111W	-	-	
6660	-	100	36	10WF21	-	-	-	-	-	-	102B	752A	-	-	
6661	-	100	36	12WF72	-	-	-	-	-	-	101	101	-	-	
6662	-	100	36	12WF79	-	-	-	-	-	-	101	751	-	-	
6663	-	100	50	12WF79	-	-	-	-	-	-	101B	101B	-	-	
6664	-	100	50	12WF85	-	-	-	-	-	-	101B	750B	-	-	
6665	-	100	36	8B15	-	-	-	-	-	-	17.4K	753D	-	-	
6666	-	100	36	8B15	-	-	-	-	-	-	753D	17.4K	-	-	



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PROJECT

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BEAM SCHEDULE TOWERS A AND B

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REVISIONS

BEAM NO.	SIZE	TYPE	FY	SHAPE	PLATE 1		PLATE 2		DIMENSIONS		SUPPORTS		STUDS		REMARKS
					WIDTH	THICK	WIDTH	THICK	LENGTH	DIM. A	LEFT	RIGHT	NO.	SIZE	
6667	-	100	50	12WF72	-	-	-	-	-	-	54.1K	752B	-	-	
6668	-	100	50	12WF72	-	-	-	-	-	-	101B	751B	-	-	
6669	-	100	50	12WF72	-	-	-	-	-	-	54.1K	752B	-	-	
6670	-	100	50	12WF65	-	-	-	-	-	-	53.0K	752B	-	-	
6671	-	100	50	12WF65	-	-	-	-	-	-	101B	751B	-	-	
6672	-	100	50	12WF65	-	-	-	-	-	-	53.0K	752B	-	-	
6673	-	100	50	12WF65	-	-	-	-	-	-	53.0K	53.0K	-	-	X
6674	-	100	50	12WF65	-	-	-	-	-	-	101B	752B	-	-	
6675	-	100	36	12WF58	-	-	-	-	-	-	26.5K	26.5K	-	-	
6676	-	100	36	12WF58	-	-	-	-	-	-	26.5K	101	-	-	
6677	-	100	36	12WF50	-	-	-	-	-	-	26.5K	26.5K	-	-	
6678	-	100	50	12WF58	-	-	-	-	-	-	310I	54.1K	-	-	
6679	-	100	50	12WF72	-	-	-	-	-	-	54.1K	54.1K	-	-	
6680	-	100	50	12WF65	-	-	-	-	-	-	54.1K	101B	-	-	
6681	-	100	50	12WF72	-	-	-	-	-	-	54.1K	54.1K	-	-	
6682	-	100	50	12WF72	-	-	-	-	-	-	54.1K	101B	-	-	
6683	-	100	50	12WF79	-	-	-	-	-	-	54.1K	101B	-	-	
6684	-	100	50	12WF79	-	-	-	-	-	-	54.1K	54.1K	-	-	
6685	-	100	50	12WF106	-	-	-	-	-	-	102B	102B	-	-	
6686	-	100	36	12WF72	-	-	-	-	-	-	338C	329A	-	-	
6687	-	100	36	12WF65	-	-	-	-	-	-	26.5K	26.5K	-	-	
6688	-	100	36	12WF72	-	-	-	-	-	-	329A	364B	-	-	
6689	-	100	36	12WF36	-	-	-	-	-	-	364A	364A	-	-	
6690	-	100	50	12WF120	-	-	-	-	-	-	111B	102B	-	-	
6691	-	100	50	12WF92	-	-	-	-	-	-	47.1K	751E	-	-	
6692	-	100	36	12WF79	-	-	-	-	-	-	26.5K	752	-	-	
6693	-	100	50	12WF92	-	-	-	-	-	-	47.1K	47.1K	-	-	
6694	-	100	36	12B22	-	-	-	-	-	-	26.5K	752	-	-	
6695	-	100	50	12WF92	-	-	-	-	-	-	26.5K	349C	-	-	
6696	-	100	50	12WF120	-	-	-	-	-	-	70.7K	70.7K	-	-	
6697	-	100	50	12WF85	-	-	-	-	-	-	54.1K	102B	-	-	
6698	-	100	50	12WF58	-	-	-	-	-	-	101B	53.0K	-	-	
6699	-	100	50	12WF58	-	-	-	-	-	-	53.0K	53.0K	-	-	



SKILLING, HELLE, CHRISTIANSEN, ROBERTSON

Structural & Civil Engineers

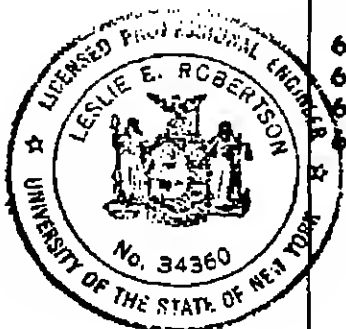
PROJECT	TITLE	DATE
THE WORLD TRADE CENTER	BEAM SCHEDULE TOWERS A AND B	12/ 6/68

REVISIONS

BEAM NO.	SIZE	TYPE	FY	SHAPE	PLATE 1		PLATE 2		DIMENSIONS		SUPPORTS		STUDS		REMARKS
					WIDTH	THICK	WIDTH	THICK	LENGTH	DIM. A	LEFT	RIGHT	NO.	SIZE	
6700	-	100	50	12WF58	-	-	-	-	-	-	101B	53.0K	-	-	
6701	-	100	50	12WF40	-	-	-	-	-	-	35.3K	35.3K	-	-	
6702	-	100	50	12WF92	-	-	-	-	-	-	751B	101B	-	-	
6703	-	100	50	12WF92	-	-	-	-	-	-	752B	54.1K	-	-	
6704	-	100	50	12WF45	-	-	-	-	-	-	101B	101B	-	-	
6705	-	100	50	12WF45	-	-	-	-	-	-	53.0K	53.0K	-	-	X
6706	-	100	36	12WF92	-	-	-	-	-	-	102	102	-	-	
6707	-	100	50	12WF50	-	-	-	-	-	-	53.0K	102B	-	-	
6708	-	100	36	10WF21	-	-	-	-	-	-	751A	101B	-	-	
6709	16X7 WF	402	36	16WF45	4	3/8	-	-	21FT 0	-	274A	282A	26	3/4X3	1
6710	-	100	36	12WF36	-	-	-	-	-	-	102B	102B	-	-	
6711	-	100	36	12WF27	-	-	-	-	-	-	102B	26.5K	-	-	
6712	-	100	36	12WF27	-	-	-	-	-	-	751A	101B	-	-	
6713	-	100	50	12WF50	-	-	-	-	-	-	102B	102B	-	-	
6714	16X7 WF	402	50	16WF36	4	3/8	-	-	21FT 0	-	106A	106B	30	3/4X3	
6715	-	100	36	12WF40	-	-	-	-	-	-	26.5K	752B	-	-	
6716	-	100	36	12WF40	-	-	-	-	-	-	26.5K	751B	-	-	
6717	-	100	36	12WF40	-	-	-	-	-	-	102	752	-	-	
6718	-	100	36	12WF27	-	-	-	-	-	-	26.5K	26.5K	-	-	
6719	16X7 WF	402	50	16WF45	4	3/8	-	-	21FT 0	-	338D	274A	26	3/4X3	1
6720	-	100	50	12WF50	-	-	-	-	-	-	107A	107A	-	-	
6721	-	100	50	12WF58	-	-	-	-	-	-	53.0K	53.0K	-	-	
6722	-	100	50	12WF58	-	-	-	-	-	-	53.0K	102B	-	-	
6723	-	100	50	12WF53	-	-	-	-	-	-	102B	53.0K	-	-	
6724	-	100	50	12WF45	-	-	-	-	-	-	35.3K	35.3K	-	-	
6725	-	100	50	12WF36	-	-	-	-	-	-	26.5K	26.5K	-	-	
6726	-	100	36	12WF45	-	-	-	-	-	-	751B	751B	-	-	
6727	-	100	50	12WF79	-	-	-	-	-	-	109A	108B	-	-	
6728	-	100	50	12WF72	-	-	-	-	-	-	101B	101B	-	-	
6729	-	100	50	12WF65	-	-	-	-	-	-	101B	54.1K	-	-	
6730	-	100	50	12WF58	-	-	-	-	-	-	101B	35.3K	-	-	
6731	-	700	36	12WF27	-	-	-	-	-	-	739	739	36	3/4X3	
6732	-	700	36	12WF27	8 1/2	1/2	-	-	SEE SUPT. DET.	-	728A	739	36	3/4X3	
6733	-	100	36	12WF27	-	-	-	-	-	-	736	26.5K	-	-	

REMARKS

1 SEE BEAM TYPE 404 FOR STUD PLACEMENT



SKILLING, HELLE, CHRISTIANSEN, ROBERTSON

Structural & Civil Engineers

PROJECT

THE WORLD TRADE CENTER

TITLE

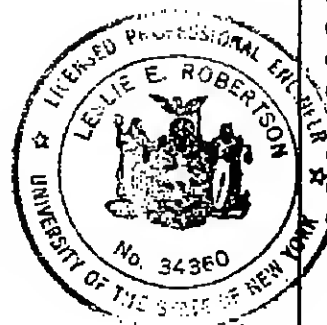
BEAM SCHEDULE TOWERS A AND B

DATE

7/17/68

REVISIONS

BEAM NO.	SIZE	TYPE	FY	SHAPE	PLATE 1		PLATE 2		DIMENSIONS		SUPPORTS		STUDS		REMARKS
					WIDTH	THICK	WIDTH	THICK	LENGTH	DIM. A	LEFT	RIGHT	NO.	SIZE	
6734	-	700	36	16WF36	9	1/2	-	-	SEE SUPT. DET.		736D	739	36	3/4X3	
6735	-	700	36	16WF36	9	1/2	-	-	SEE SUPT. DET.		739	733A	52	3/4X3	
6736	-	100	36	12WF27	-	-	-	-	-	-	780	26.5K	-	-	
6737	-	100	36	12WF27	-	-	-	-	-	-	735	102	-	-	
6738	-	700	36	16WF36	9	1/2	-	-	SEE SUPT. DET.		733A	731	24	3/4X3	
6739	-	700	50	16WF36	9	1/2	-	-	SEE SUPT. DET.		702	705	48	3/4X3	
6740	-	700	36	16WF40	9	1/2	-	-	SEE SUPT. DET.		709	711A	52	3/4X3	
6741	-	700	36	16WF40	9	1/2	-	-	SEE SUPT. DET.		711A	713	52	3/4X3	
6742	-	700	50	18WF45	9 1/2	1/2	-	-	SEE SUPT. DET.		709C	710	58	3/4X3	
6743	-	700	36	16WF36	9	1/2	-	-	SEE SUPT. DET.		705	711A	40	3/4X3	
6744	-	700	50	16WF45	9	1/2	-	-	SEE SUPT. DET.		739	710	58	3/4X3	
6745	-	700	50	16WF45	9	1/2	-	-	SEE SUPT. DET.		710	739	58	3/4X3	
6746	-	700	36	16WF40	9	1/2	-	-	SEE SUPT. DET.		709	711A	52	3/4X3	
6747	-	700	36	16WF40	9	1/2	-	-	SEE SUPT. DET.		711A	712	52	3/4X3	
6748	-	700	50	16WF36	9	1/2	-	-	SEE SUPT. DET.		702	705	48	3/4X3	
6749	-	700	36	16WF36	9	1/2	-	-	SEE SUPT. DET.		711A	705	40	3/4X3	
6750	-	700	36	12WF27	8 1/2	1/2	-	-	SEE SUPT. DET.		739	738A	36	3/4X3	
6751	-	100	36	12WF27	-	-	-	-	-	-	26.5K	738	-	-	
6752	-	700	36	12WF27	8 1/2	1/2	-	-	SEE SUPT. DET.		739	736A	36	3/4X3	
6753	-	700	36	12WF27	8 1/2	1/2	-	-	SEE SUPT. DET.		739	739	36	3/4X3	
6754	-	100	36	12WF27	-	-	-	-	-	-	26.5K	736	-	-	
6755	-	700	36	12WF27	8 1/2	1/2	-	-	SEE SUPT. DET.		739	735A	36	3/4X3	
6756	-	700	36	16WF36	9	1/2	-	-	SEE SUPT. DET.		731	736A	24	3/4X3	
6757	-	700	50	18WF55	9 1/2	1/2	-	-	SEE SUPT. DET.		728A	780A	72	3/4X3	
6758	-	100	36	20WF50	-	-	-	-	-	-	202B	234D	-	-	
6759	-	700	50	16WF40	9	1/2	-	-	SEE SUPT. DET.		739	733A	52	3/4X3	
6760	-	700	50	16WF40	9	1/2	-	-	SEE SUPT. DET.		729	735A	52	3/4X3	
6761	-	100	50	12WF65	-	-	-	-	-	-	515E	515E	-	-	
6762	-	700	50	18WF50	9 1/2	1/2	-	-	SEE SUPT. DET.		728A	733A	65	3/4X3	
6763	-	700	50	16WF40	9	1/2	-	-	SEE SUPT. DET.		739	733A	52	3/4X3	
6764	-	700	50	16WF40	9	1/2	-	-	SEE SUPT. DET.		729A	735A	52	3/4X3	
6765	-	700	50	16WF40	9	1/2	-	-	SEE SUPT. DET.		739	733A	52	3/4X3	
6766	-	100	50	16WF40	-	-	-	-	-	-	731A	781B	52	3/4X3	



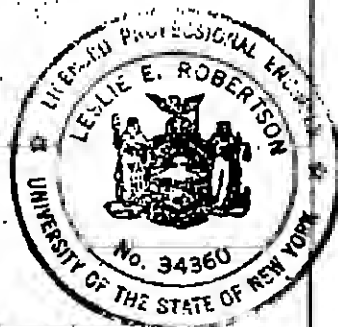
SKILLING-HELLE-CHRISTIANSEN-ROBERTSON

Civil & Structural Engineers

PROJECT					TITLE					DATE					
THE WGRD TRADE CENTER					BEAM SCHEDULE TOWERS A AND B					7/17/68					
BEAM NO.	SIZE	TYPE	FY	SHAPE	PLATE 1		PLATE 2		DIMENSIONS		SUPPORTS		STUDS		REMARKS
					WIDTH	THICK	WIDTH	THICK	LENGTH	DIM. A	LEFT	RIGHT	NO.	SIZE	
6767	-	70C	50	16WF40	9	1/2	-	-	SEE SUPT.DET.	-	729A	733A	52	3/4X3	
6768	-	70C	50	16WF40	9	1/2	-	-	SEE SUPT.DET.	-	739	734A	52	3/4X3	
6769	-	70C	50	18WF55	9 1/2	1/2	-	-	SEE SUPT.DET.	-	728A	733A	72	3/4X3	1
6770	-	10C	50	12WF79	-	-	-	-	-	-	234D	234D	-	-	
6771	-	10C	36	20I75.0	-	-	-	-	-	-	234D	234C	-	-	
6772	-	10C	36	20I75.0	-	-	-	-	-	-	234C	234A	-	-	X
6773	-	10C	36	20I75.0	-	-	-	-	-	-	234A	2028	-	-	
6774	-	700	50	16WF36	9	1/2	-	-	SEE SUPT.DET.	-	739	728A	48	3/4X3	
6775	-	700	50	18WF45	9 1/2	1/2	-	-	SEE SUPT.DET.	-	739	739	58	3/4X3	
6776	-	100	50	18WF45	-	-	-	-	-	-	739	729A	58	3/4X3	
6777	-	70C	50	18WF45	9 1/2	1/2	-	-	SEE SUPT.DET.	-	739	729A	58	3/4X3	
6778	-	70C	50	18WF50	9 1/2	1/2	-	-	SEE SUPT.DET.	-	731	728A	60	3/4X3	1
6779	-	10C	50	12WF72	-	-	-	-	-	-	515E	515E	-	-	
6780	-	10C	36	12WF58	-	-	-	-	-	-	515E	515E	-	-	
6781	-	70C	50	18WF50	9 1/2	1/2	-	-	SEE SUPT.DET.	-	729	728A	60	3/4X3	
6782	-	700	50	18WF55	9 1/2	1/2	-	-	SEE SUPT.DET.	-	739	729A	65	3/4X3	
6783	-	70C	50	18WF69	10 3/4	1/2	-	-	SEE SUPT.DET.	-	731	702	82	3/4X3	
6784	-	10C	50	18WF85	-	-	-	-	SEE SUPT.DET.	-	731A	729A	90	3/4X3	
6785	-	700	50	16WF36	9	1/2	-	-	SEE SUPT.DET.	-	729A	729A	24	3/4X3	
6786	-	700	50	18WF55	9 1/2	1/2	-	-	SEE SUPT.DET.	-	729A	739	65	3/4X3	
6787	-	700	50	18WF64	10 3/4	1/2	-	-	SEE SUPT.DET.	-	702A	731	82	3/4X3	
6788	-	700	50	18WF45	9-1/2	1/2	-	-	SEE SUPT. DET.	-	702	703	58	3/4X3	
6789	-	700	50	18WF45	9-1/2	1/2	-	-	SEE SUPT. DET.	-	703	703	58	3/4X3	
6790	-	700	50	18WF45	9-1/2	1/2	-	-	SEE SUPT. DET.	-	703	703A	58	3/4X3	
6791	-	700	50	18WF70	10 3/4	1/2	-	-	SEE SUPT.DET	-	736B	739	86	3/4X3	
6792	-	700	50	18WF60	9 1/2	1/2	-	-	SEE SUPT.DET.	-	739	729A	75	3/4X3	
6793	-	700	50	18WF70	10 3/4	1/2	-	-	SEE SUPT.DET.	-	739	736B	86	3/4X3	
6794	-	10C	50	18WF60	-	-	-	-	-	-	70.7K	70.7K	75	3/4X3	
6795	-	700	36	16WF45	9	1/2	-	-	SEE SUPT. DET.	-	702	709	45	3/4X3	
6796	-	700	36	16WF45	9	1/2	-	-	SEE SUPT. DET.	-	709	702	45	304X3	
6797	-	10C	36	18WF45	-	-	-	-	-	-	705C	703B	30	3/4X3	
6798	-	700	50	18WF50	9	1/2	-	-	SEE SUPT.DET.	-	739	729A	60	3/4X3	
6799	-	700	50	18WF50	9	1/2	-	-	SEE SUPT.DET.	-	735C	729A	62	3/4X3	

REMARKS

1 DETAIL 728A, LESS SECTION B-B



SKILLING, HELLE, CHRISTIANSEN, ROBERTSON

Structural & Civil Engineers

PROJECT

THE WORLO TRADE CENTER

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BEAM SCHEDULE TOWERS A AND B

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7/17/68

REVISIONS

BEAM NO.	SIZE	TYPE	FY	SHAPE	PLATE 1		PLATE 2		DIMENSIONS		SUPPORTS		STUDS		REMARKS
					WIDTH	THICK	WIDTH	THICK	LENGTH	DIM. A	LEFT	RIGHT	NO.	SIZE	
6800	-	700	50	16WF45	9	1/2	-	-	SEE SUPT. DET.		728A	728A	56	3/4X3	
6801	-	700	50	16WF36	9	1/2	-	-	SEE SUPT. DET.		728A	739	48	3/4X3	
6802	-	700	36	12WF27	8 1/2	1/2	-	-	SEE SUPT. DET.		735A	728A	30	3/4X3	
6803	-	100	36	12WF27	-	-	-	-	-	-	736A	739	30	3/4X3	
6804	-	700	36	12WF27	8-1/2	1/2	-	-	SEE SUPT. DET.		781A	739	36	3/4X3	
6805	-	700	50	18WF50	9-1/2	1/2	-	-	SEE SUPT. DET.		739	739	60	3/4X3	
6806	-	700	50	18WF50	9-1/2	1/2	-	-	SEE SUPT. DET.		729A	739	60	3/4X3	
6807	-	700	50	18WF55	9-1/2	1/2	-	-	SEE SUPT. DET.		739	739	64	3/4X3	
6808	16X7 WF	402	36	16WF45	4	3/8	-	-	21FT 0	-	274B	282A	26	3/4X3	2
6809	-	700	50	18WF77	10-3/4	1/2	-	-	SEE SUPT. DET.		731A	728A	84	3/4X3	
6810	-	700	50	18WF60	9-1/2	1/2	-	-	SEE SUPT. DET.		782A	729A	68	3/4X3	
6811	-	700	50	18WF60	9-1/2	1/2	-	-	SEE SUPT. DET.		729A	739	68	3/4X3	
6812	-	100	36	18WF45	-	-	-	-	-	-	463C	463F	28	3/4X3	
6813	-	100	36	18WF45	-	-	-	-	-	-	463F	463F	14	3/4X3G	
6814	-	100	36	18WF45	-	-	-	-	-	-	463F	463F	28	3/4X3G	
6815	-	100	36	18WF45	-	-	-	-	-	-	463F	26.5K	14	3/4X3G	
6816	-	100	36	24I79.9	-	-	-	-	-	-	234G	234F	42	3/4X3	
6817	-	100	36	24I79.9	-	-	-	-	-	-	234F	234G	-	-	
6818	-	100	36	24I105.9	-	-	-	-	-	-	234G	234G	-	-	
6819	18X7-1/2WF	400	36	18WF45	6-1/4	3/8	-	-	32FT 3	-	64.8K	155	49	3/4X3	
6820	18X7-1/2WF	400	36	18WF45	6-1/4	3/8	-	-	32FT 3	-	81.4K	155	49	3/4X3	
6821	-	100	36	12819	-	-	-	-	-	-	111U	111U	-	-	
6822	-	100	36	14822	-	-	-	-	-	-	508	509E	-	-	
6823	-	100	36	8813	-	-	-	-	-	-	17.4K	771B	-	-	
6824	-	100	36	10WF39	-	-	-	-	-	-	26.5K	509E	-	-	
6825	-	100	36	10WF39	-	-	-	-	-	-	26.5K	509E	-	-	
6826	-	100	36	10WF39	-	-	-	-	-	-	101B	26.5K	-	-	
6827	-	100	36	10WF39	-	-	-	-	-	-	26.5K	26.5K	-	-	
6828	-	100	36	10WF33	-	-	-	-	-	-	509E	26.5K	-	-	
6829	-	100	36	16WF40	-	-	-	-	-	-	509E	509E	-	-	
6830	-	100	36	16WF36	-	-	-	-	-	-	509E	509E	-	-	
6831	-	100	36	8813	-	-	-	-	-	-	509D	771B	-	-	
6832	-	100	36	8813	-	-	-	-	-	-	752A	17.4K	-	-	
6833	-	100	36	10WF25	-	-	-	-	-	-	509E	509E	-	-	

REMARKS

2 SEE BEAM TYPE 404 FOR STUD PLACEMENT



SKILLING-HELLE-CHRISTIANSEN-ROBERTSON

Civil & Structural Engineers

PROJECT		THE WORLD TRADE CENTER				TITLE		BEAM SCHEDULE TOWERS A AND B				DATE		3/11/68	
LINE	SIZE	TYPE	FY	SHAPE	PLATE 1		PLATE 2		DIMENSIONS		SUPPORTS		STUDS		REMARKS
					WIDTH	THICK	WIDTH	THICK	LENGTH	DIM. A	LEFT	RIGHT	NO.	SIZE	
1034	-	100	36	10WF25	-	-	-	-	-	-	26.5K	509E	-	-	
1035	-	100	36	10WF29	-	-	-	-	-	-	509E	507	-	-	1
1036	-	100	36	10WF29	-	-	-	-	-	-	507	509E	-	-	2
1037	-	100	36	10WF21	-	-	-	-	-	-	509E	509E	-	-	
1038	-	100	36	10WF29	-	-	-	-	-	-	205R	205R	-	-	2,3
1039	-	100	36	10WF29	-	-	-	-	-	-	364F	205R	-	-	X
1040	-	100	36	10WF21	-	-	-	-	-	-	330A	364F	-	-	1
1041	-	100	36	10WF45	-	-	-	-	-	-	283G	509E	-	-	
1042	-	100	36	10WF29	-	-	-	-	-	-	509E	509E	-	-	
1043	-	100	36	10WF29	-	-	-	-	-	-	509E	509E	-	-	
1044	-	100	36	10WF33	-	-	-	-	-	-	220I	364F	-	-	
1045	-	100	36	10WF33	-	-	-	-	-	-	26.5K	509E	-	-	
1046	-	100	36	10WF29	-	-	-	-	-	-	364F	364F	-	-	
1047	-	100	36	10WF33	-	-	-	-	-	-	26.5K	26.5K	-	-	
1048	-	100	36	10WF45	-	-	-	-	-	-	111A	509E	-	-	
1049	-	100	36	10WF21	-	-	-	-	-	-	26.5K	509E	-	-	
1050	-	100	36	10WF21	-	-	-	-	-	-	26.5K	26.5K	-	-	
1051	-	100	36	10WF33	-	-	-	-	-	-	102B	111A	-	-	
1052	-	100	36	10WF21	-	-	-	-	-	-	752A	102B	-	-	
1053	-	100	36	10WF21	-	-	-	-	-	-	751A	26.5K	-	-	
1054	-	100	36	10WF21	-	-	-	-	-	-	752A	26.5K	-	-	
1055	-	100	36	10WF45	-	-	-	-	-	-	101B	509E	-	-	
1056	-	100	36	10WF33	-	-	-	-	-	-	26.5K	26.5K	-	-	
1057	-	100	36	10WF33	-	-	-	-	-	-	509E	509E	-	-	
1058	-	100	36	10WF33	-	-	-	-	-	-	509E	509E	-	-	
1059	-	100	36	10WF33	-	-	-	-	-	-	509E	111A	-	-	4
1060	-	100	36	10WF33	-	-	-	-	-	-	509E	101B	-	-	
1061	-	100	36	10WF33	-	-	-	-	-	-	509E	509E	-	-	
1062	-	100	36	10WF33	-	-	-	-	-	-	26.5K	26.5K	-	-	
1063	-	100	36	10WF33	-	-	-	-	-	-	509E	101B	-	-	
1064	-	100	50	10WF49	-	-	-	-	-	-	102B	102B	-	-	
1065	-	100	36	10WF49	-	-	-	-	-	-	102B	26.5K	-	-	
1066	-	100	36	10WF33	-	-	-	-	-	-	751A	107A	-	-	4

REMARKS

- DET. 435A RIGHT END OF BEAM
- DET. 435A LEFT END OF BEAM
- DET. 509E RIGHT END OF BEAM
- ADAPT END DETAIL FOR SKEW TYPE CONN.



SKILLING-HELLE-CHRISTIANSEN-ROBERTSON

Civil & Structural Engineers

PROJECT		THE WORLD TRADE CENTER				TITLE		BEAM SCHEDULE TOWERS A AND B				DATE		8/17/68	
BEAM NO.	SIZE	TYPE	FY	SHAPE	PLATE 1		PLATE 2		DIMENSIONS		SUPPORTS		STUDS		REMARKS
					WIDTH	THICK	WIDTH	THICK	LENGTH	DIM. A	LEFT	RIGHT	NO.	SIZE	
6867	16X8-1/2WF	400	36	16WF58	7-1/2	7/16	-	-	32FT	3	-	68.9K	161	62	3/4X3
6868	16X8-1/2WF	400	36	16WF58	7-1/2	7/16	-	-	32FT	3	-	86.5K	161	62	3/4X3
6869	-	100	36	16WF58	-	-	-	-	-	-	-	26.5K	463F	14	3/4X3
6870	-	100	36	16WF58	-	-	-	-	-	-	-	463F	463C	28	3/4X3
6871	-	100	36	16WF58	-	-	-	-	-	-	-	463C	463C	14	3/4X3
6872	-	100	36	16WF58	-	-	-	-	-	-	-	463C	463F	28	3/4X3
6873	-	100	36	16WF58	-	-	-	-	-	-	-	463F	463F	14	304X3G
6874	-	100	36	16WF58	-	-	-	-	-	-	-	463F	463F	28	3/4X3G
6875	-	100	36	16WF58	-	-	-	-	-	-	-	463F	26.5K	14	3/4X3G
6876	-	100	36	24I79.9	-	-	-	-	-	-	-	202C	812F	-	-
6877	-	100	36	24I79.9	-	-	-	-	-	-	-	812F	234A	42	3/4X3
6878	-	100	36	24I79.9	-	-	-	-	-	-	-	234A	234E	-	-
6879	-	100	36	24I105.9	-	-	-	-	-	-	-	234E	812G	-	-
6880	-	100	36	24I79.9	-	-	-	-	-	-	-	812G	202C	-	-
6881	24X14WF	453	36	27WF145	12-3/4	1-1/2	-	-	32FT	0	-	237E	152	194	3/4X3
6882	-	420	36	27WF84	-	-	-	-	-	-	-	251A	237E	64	3/4X3
6883	24X8BU	300	36	-	8	1-1/2	21	5/8	-	-	-	234G	237E	-	-
6884	27X14WF	453	36	27WF145	12-3/4	1-1/2	-	-	32FT	0	-	237F	152	194	3/4X3
6885	-	100	36	27WF84	-	-	-	-	-	-	-	251A	237F	64	3/4X3
6886	24X8BU	300	36	-	8	1-1/2	21	5/8	-	-	-	237F	234G	-	-
6887	-	100	36	18WF45	-	-	-	-	-	-	-	26.5K	463F	14	3/4X3
6888	-	100	36	18WF45	-	-	-	-	-	-	-	463F	463C	28	3/4X3
6889	-	100	36	18WF45	-	-	-	-	-	-	-	463C	463C	14	3/4X3
6890	-	100	36	8815	-	-	-	-	-	-	-	17.4K	771A	-	-
6891	-	100	50	16WF78	-	-	-	-	-	-	-	775A	775A	-	-
6892	-	100	50	16WF78	-	-	-	-	-	-	-	70.7K	70.7K	-	-
6893	-	100	50	16WF78	-	-	-	-	-	-	-	109A	70.7K	-	-
6894	-	100	50	16WF78	-	-	-	-	-	-	-	70.7K	109A	-	-
6895	-	100	50	16WF78	-	-	-	-	-	-	-	536A	535A	-	-
6896	-	100	50	16WF78	-	-	-	-	-	-	-	535A	70.7K	-	-
6897	-	100	50	16WF78	-	-	-	-	-	-	-	535A	107A	-	-
6898	-	100	50	16WF78	-	-	-	-	-	-	-	535A	70.7K	-	-
6899	-	100	50	16WF78	-	-	-	-	-	-	-	535A	70.7K	-	-



THE WORLD TRADE CENTER

BEAM SCHEDULE TOWERS A AND B

BEAM NO.	SIZE	TYPE	FY	SHAPE	PLATE 1		PLATE 2		DIMENSIONS		SUPPORTS		STUDS		REMARK
					WIDTH	THICK	WIDTH	THICK	LENGTH	DIM. A	LEFT	RIGHT	NO.	SIZE	
6900	12X4 B	402	36	12B19	3	3/8	-	-	18FT 0	-	26.5K	26.5K	-	-	
6901	54X16BU	300	36	-	16	1-1/2	51	5/8	-	-	777A	109B	-	-	
6902	16X7 WF	402	36	16WF45	4	3/8	-	-	21FT 0	-	338D	274B	26	3/4X3	3
6903	-	100	50	24WF84	-	-	-	-	-	-	107A	107A	-	-	
6904	-	100	50	24WF84	-	-	-	-	-	-	107A	774C	-	-	
6905	-	180	50	16WF78	-	-	-	-	-	-	53.0K	109A	-	-	
6906	-	100	50	30WF116	-	-	-	-	-	-	109A	109A	-	-	
6907	-	400	50	24WF84	-	-	-	-	-	-	109A	109A	-	-	
6908	-	100	36	8CB8.0	-	-	-	-	-	-	18.5K	18.5K	-	-	
6909	16X5-1/2BX	208	36	-	4	3/8	16	3/4	-	-	254B	247A	-	-	
6910	-	100	36	16WF36	-	-	-	-	-	-	26.5K	105K	10	3/4X4-1/2B	
6911	16X5-1/2BX	207	36	-	4	3/8	16	3/4	-	-	254B	247A	-	-	
6912	16X5-1/2BX	202	36	-	4	3/8	16	3/4	-	-	254B	206A	-	-	
6913	16X5-1/2BX	202	36	-	4	3/8	16	3/4	-	-	450	450	-	-	
6914	-	100	36	12B16.5	-	-	-	-	-	-	26.5K	170A	-	-	
6915	15X3-3/8CH	510	50	15CH40.0	2-1/2	1/2	-	-	26FT 0	1FT 0	245D	245C	-	-	1
6916	-	100	36	16B31	-	-	-	-	-	-	307D	26.5K	28	3/4X3	
6917	-	100	36	8B13	-	-	-	-	-	-	111H	50B	-	-	
6918	-	100	36	8B13	-	-	-	-	-	-	17.4K	17.4K	-	-	
6919	-	100	36	8B13	-	-	-	-	-	-	508	508	-	-	2
6920	18X4 CH	509	50	18CH58.0	3	1/2	-	-	FULL LENGTH	-	324A	246D	-	-	
6921	-	501	50	18CH51.9	-	-	-	-	-	-	410A	4751K	-	-	
6922	-	501	50	18CH51.9	-	-	-	-	-	-	47.5K	410A	-	-	
6923	-	501	50	18CH51.9	-	-	-	-	-	-	47.5K	410A	-	-	
6924	-	501	50	18CH51.9	-	-	-	-	-	-	47.5K	410A	-	-	
6925	-	501	50	18CH51.9	-	-	-	-	-	-	47.5K	410A	-	-	
6926	18X4 CH	501	50	18CH58.0	3	1	-	-	24FT 0	1FT 0	246D	249C	-	-	
6927	-	100	36	20C125	-	-	-	-	-	-	249C	249C	-	-	
6928	18X4 CH	516	50	18CH58.0	3	1	-	-	24FT 0	1FT 0	249C	246D	-	-	
6929	-	100	50	18CH45.8	-	-	-	-	-	-	411A	410A	-	-	
6930	18X4 CH	505	50	18CH58.0	3	1/2	-	-	FULL LENGTH	-	246D	324A	-	-	
6931	21X7 BU	300	36	-	7	1-3/4	18	1/2	-	-	324A	317C	-	-	
6932	-	100	36	24WF36	-	-	-	-	-	-	317C	324A	-	-	
6933	21X7 BU	300	36	-	7	1-3/4	18	1/2	-	-	220L	3131	20	3/4X3	

SEE BEAM TYPE AND FOR STUD PLACEMENT

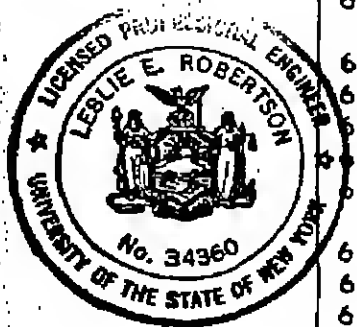
SKILLING, HELLE, CHRISTIANSEN, ROBERTSON

Structural & Civil Engineers

PROJECT	TITLE	DATE
THE WORLD TRADE CENTER	BEAM SCHEDULE TOWERS A AND B	11/27/68

REVISIONS

BEAM NO.	SIZE	TYPE	FY	SHAPE	PLATE 1		PLATE 2		DIMENSIONS		SUPPORTS		STUDS		REMARKS
					WIDTH	THICK	WIDTH	THICK	LENGTH	DIM. A	LEFT	RIGHT	NO.	SIZE	
6933	24X7 BU	300	36	-	7	1	22	3/8	-	-	220L	313I	20	3/4X3	
6934	-	100	50	14B22	-	-	-	-	-	-	313I	26.5K	20	3/4X3	
6935	-	100	36	14B22	-	-	-	-	-	-	313I	238A	8	3/4X3	
6936	-	100	36	30WF99	-	-	-	-	-	-	202G	313I	12	3/4X3	
6937	24X5-1/2BU	300	36	-	5-1/2	1	22	3/8	-	-	475A	39.8K	-	-	
6938	24X5-1/2BX	252	36	-	5-1/2	1-1/2	21	3/8	-	-	458A	458A	-	-	
6939	16X5-1/2BX	201	36	-	4	3/8	16	3/4	-	-	296H	247G	-	-	
6940	24X7 BU	300	36	-	7	1	22	3/8	-	-	295F	313I	20	3/4X3	
6941	-	100	36	14B22	-	-	-	-	-	-	313I	266A	8	3/4X3	
6942	-	100	36	30WF99	-	-	-	-	-	-	224C	313I	12	3/4X3	
6943	16X5-1/2BX	201	36	-	4	3/8	16	3/4	-	-	296H	296A	-	-	
6944	30X7 BU	300	36	-	7	1-1/2	27	7/8	-	-	295G	313J	20	3/4X3	
6945	-	100	36	14B22	-	-	-	-	-	-	313J	26.5K	20	3/4X3	
6946	-	100	36	14B22	-	-	-	-	-	-	313J	238A	8	3/4X3	
6947	-	100	36	30WF99	-	-	-	-	-	-	224C	313J	12	3/4X3	
6948	30X5-1/2BU	300	36	-	5-1/2	1-1/2	27	3/8	-	-	475A	54.1K	-	-	
6949	30X5-1/2BX	252	36	-	5-1/2	1-1/4	27-1/2	3/4	-	-	458A	458A	-	-	
6950	30X5-1/2BX	252	36	-	5-1/2	3/4	28-1/2	3/8	-	-	296I	296I	-	-	
6951	18X5 BX	252	36	-	5	1/2	17	1/2	-	-	458B	458B	-	-	
6952	-	100	36	18CH58.0	-	-	-	-	-	-	53.0K	467C	-	-	
6953	16X5-1/2BX	201	36	-	4	3/8	16	3/4	-	-	254D	206B	-	-	
6954	-	100	36	16B31	-	-	-	-	-	-	254D	254B	-	-	
6955	-	100	36	14B26	-	-	-	-	-	-	454B	454B	-	-	
6956	24X7 BU	300	36	-	7	1	22	3/8	-	-	303D	395E	20	3/4X3	
6957	24X5-1/2BU	300	36	-	5-1/2	1	22	3/8	-	-	467B	463E	-	-	
6958	24X5-1/2BX	252	36	-	5-1/2	1	22	3/8	-	-	247I	247I	-	-	
6959	-	100	36	30WF99	-	-	-	-	-	-	202G	301D	12	3/4X3	
6960	-	100	50	12B16.5	-	-	-	-	-	-	303D	26.5K	10	3/4X3B	
6961	-	100	36	14B22	-	-	-	-	-	-	301D	26.5K	12	3/4X3C	
6962	-	100	36	16WF36	-	-	-	-	-	-	395E	306C	10	3/4X3	
6963	-	100	36	12B16.5	-	-	-	-	-	-	510A	510A	-	-	
6964	-	100	36	12B16.5	-	-	-	-	-	-	454B	454B	-	-	
6965	-	100	36	16B31	-	-	-	-	-	-	463E	463C	-	-	
6966	-	100	36	18CH42.7	-	-	-	-	-	-	411B	410A	-	-	



SKILLING-HELLE-CHRISTIANSEN-ROBERTSON

Civil & Structural Engineers

PROJECT				TITLE						DATE					
THE WORLD TRADE CENTER				BEAM SCHEDULE TOWERS A AND B						9/27/68					
BEAM NO.	SIZE	TYPE	FY	SHAPE	PLATE 1		PLATE 2		DIMENSIONS		SUPPORTS		STUDS		REMARKS
					WIDTH	THICK	WIDTH	THICK	LENGTH	DIM. A	LEFT	RIGHT	NO.	SIZE	
6967				16WF36	-	-	-	-	-	-			-	-	
6968				12B16.5	-	-	-	-	-	-			15	3/4X33	
6969				12B19	-	-	-	-	-	-			-	-	
6971				16B26	-	-	-	-	-	-			10	3/4X3C	
6972				14B22	-	-	-	-	-	-			19	3/4X3	
6974				14B22	-	-	-	-	-	-			8	3/4X3	
6976				16B26	-	-	-	-	-	-			10	3/4X3C	
6977	18X4 CH	500	50	18CH51.9	-	-	-	-	-	-	243A	227A	-	-	
6978	-	100	50	12CH50.0	-	-	-	-	-	-	226A	311B	-	-	
6979	-	100	36	14B22	-	-	-	-	-	-	17.4K	203C	11	3/4X3	
6980	21X7 BU	300	36	-	7	1	19	5/8	-	-	313E	324C	-	-	
6981	18X4 CH	509	50	18CH45.8	-	-	-	-	-	-	324C	246A	-	-	
6982	-	100	50	18CH45.8	-	-	-	-	-	-	246A	324C	-	-	
6983	-	403	50	30WF108	-	-	-	-	-	-	154	324C	92	3/4X3	
6984	-	403	50	30WF108	-	-	-	-	-	-	324C	154	92	3/4X3	
6985	-	100	36	12WF27	-	-	-	-	-	-	111H	283U	12	3/4X4-1/2	
6986	-	100	50	12CH50.0	-	-	-	-	-	-	311B	226A	-	-	
6987	-	100	50	12CH50.0	-	-	-	-	-	-	226A	311C	-	-	
6988	-	100	36	16WF40	-	-	-	-	-	-	26.5K	374B	39	3/4X3	
6989	-	100	36	16WF36	-	-	-	-	-	-	26.5K	26.5K	34	3/4X3	
6990	-	100	36	9CH13.4	-	-	-	-	-	-	517B	501A	-	-	
6991	-	100	36	9CH13.4	-	-	-	-	-	-	501A	517A	-	-	
6992	-	100	36	16WF36	-	-	-	-	-	-	398C	26.5K	20	3/4X3	
6993	-	100	36	16WF36	-	-	-	-	-	-	26.5K	26.5K	20	3/4X3	
6994	-	100	36	16WF36	-	-	-	-	-	-	26.5K	26.5K	20	3/4X3	
6998	-	100	36	10B15	-	-	-	-	-	-	17.4K	17.4K	-	-	
6999	-	100	36	10B15	-	-	-	-	-	-	179A	17.4K	-	-	

SKILLING-HELLE-CHRISTIANSEN-ROBERTSON

Civil & Structural Engineers

PROJECT					TITLE					DATE						
THE WORLD TRADE CENTER					BEAM SCHEDULE TOWERS A AND B					1/22/68						
BEAM NO.	SIZE	TYPE	FY	SHAPE	PLATE 1		PLATE 2		DIMENSIONS		SUPPORTS		STUDS		REMARKS	
					WIDTH	THICK	WIDTH	THICK	LENGTH	DIM. A	LEFT	RIGHT	NO.	SIZE		
7000	-	100	50	18WF45	-	-	-	-	-	-	850A	845A	6	3/4X3		
7001	-	100	50	18WF45	-	-	-	-	-	-	845A	850A	6	3/4X3		
7002	-	100	50	18WF45	-	-	-	-	-	-	848A	844A	16	3/4X3		
7003	-	100	50	18WF60	-	-	-	-	-	-	848A	846A	66	3/4X3		
7004	-	100	50	18WF45	-	-	-	-	-	-	847A	857A	12	3/4X3		
7005	-	100	50	18WF45	-	-	-	-	-	-	847A	843A	14	3/4X3		
7006	-	100	50	18WF45	-	-	-	-	-	-	844A	847A	16	3/4X3		
7007	-	100	50	18WF45	-	-	-	-	-	-	843A	846A	16	3/4X3		
7008	-	100	50	18WF45	-	-	-	-	-	-	849A	836A	20	3/4X3		
7009	-	100	50	18WF60	-	-	-	-	-	-	851A	27.0K	66	3/4X3		
7010	-	100	50	18WF45	-	-	-	-	-	-	852A	849A	20	3/4X3		
7011	-	100	50	18WF60	-	-	-	-	-	-	852A	836A	66	3/4X3		
7012	-	100	50	18WF45	-	-	-	-	-	-	852A	853A	20	3/4X3		
7013	-	100	50	27WF145	-	-	-	-	-	-	853A	836A	16	3/4X3		
7014	-	100	50	18WF60	-	-	-	-	-	-	854A	838A	66	3/4X3		
7015	-	100	50	18WF45	-	-	-	-	-	-	854A	853B	14	3/4X3		
7016	-	100	50	18WF96	-	-	-	-	-	-	853B	853A	16	3/4X3		
7017	-	100	50	18WF60	-	-	-	-	-	-	851A	33.0K	66	3/4X3		
7018	-	100	50	18WF96	-	-	-	-	-	-	855A	853B	14	3/4X3		
7019	48X14BU	311	50	-	SEE BEAM TYPE FOR PLATES					-	-	855A	886A	36	3/4X3	
7020	-	100	50	18WF55	-	-	-	-	-	-	857H	856A	20	3/4X3		
7021	-	100	50	18WF60	-	-	-	-	-	-	851B	30.0K	66	3/4X3		
7022	-	100	50	18WF55	-	-	-	-	-	-	858A	857B	20	3/4X3		
7023	-	100	50	18WF85	-	-	-	-	-	-	858A	885A	92	3/4X3		
7024	-	100	50	18WF45	-	-	-	-	-	-	857J	859A	24	3/4X3		
7025	-	100	50	18WF85	-	-	-	-	-	-	851A	62.0K	92	3/4X3		
7026	-	100	50	18WF45	-	-	-	-	-	-	852B	857J	16	3/4X3		
7027	-	100	50	18WF60	-	-	-	-	-	-	852B	30.0K	66	3/4X3		
7028	-	100	50	18WF45	-	-	-	-	-	-	852B	857H	16	3/4X3		
7029	-	100	50	18WF85	-	-	-	-	-	-	851C	884A	92	3/4X3		
7030	-	100	50	18WF45	-	-	-	-	-	-	857H	859A	24	3/4X3		
7031	-	100	50	18WF85	-	-	-	-	-	-	858A	885A	92	3/4X3		
7032	-	100	50	18WF55	-	-	-	-	-	-	858A	857B	20	3/4X3		
7033	-	100	50	18WF60	-	-	-	-	-	-	851B	30.0K	66	3/4X3		



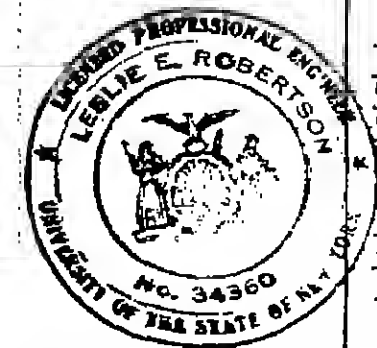
SKILLING-HELLE-CHRISTIANSEN-ROBERTSON

Civil & Structural Engineers

PROJECT		TITLE		DATE	
THE WORLD TRADE CENTER		BEAM SCHEDULE TOWERS A AND B		1/22/68	
REVISIONS		PLATE 1		PLATE 2	
BEAM NO.		SIZE		TYPE FY	
SHAPE		WIDTH		THICK	
DIMENSIONS		LENGTH		DIM. A	
SUPPORTS		LEFT		RIGHT	
ST JOBS		NO.		SIZE	
REMARKS					
7034	-	100	50	18WF55	-
7035	48X148U	311	50	-	SEE BEAM TYPE FOR PLATES
7036	-	100	50	18WF96	-
7037	-	100	50	18WF60	-
7038	-	100	50	18WF45	-
7039	-	100	50	18WF96	-
7040	-	100	50	18WF60	-
7041	-	100	50	18WF45	-
7042	-	100	50	27WF145	-
7043	-	100	50	18WF60	-
7044	-	100	50	18WF45	-
7045	-	100	50	18WF60	-
7046	-	100	50	18WF45	-
7047	-	100	50	18WF45	-
7048	-	100	50	18WF60	-
7049	-	100	50	18WF45	-
7050	-	100	50	18WF45	-
7051	-	100	50	18WF45	-
7052	-	100	50	18WF45	-
7053	-	100	50	18WF45	-
7054	48X148U	310	50	-	SEE BEAM TYPE FOR PLATES
7055	-	100	50	18WF105	-
7056	-	436	50	18WF96	-
7057	-	100	50	18WF105	-
7058	-	100	50	18WF96	-
7059	-	100	50	18WF105	-
7060	48X148U	310	50	-	SEE BEAM TYPE FOR PLATES
7061	-	100	50	16WF36	-
7062	-	100	50	16WF45	-
7063	-	100	50	5WF16	-
7064	32X148U	307	50	-	14 1 5/8
7065	-	100	50	5WF16	-
7066	-	100	50	16WF45	-

REMARKS

- SEE BEAM TYPE FOR LENGTH OF PLATE 2
- SEE 6-AB5-86 FOR SUPPORT DETAILS



SKILLING-HELLE-CHRISTIANSEN-ROBERTSON

Civil & Structural Engineers

PROJECT		THE WORLD TRADE CENTER				TITLE		BEAM SCHEDULE TOWERS A AND B				DATE		1/22/68		
BEAM NO.	SIZE	TYPE	FY	SHAPE	PLATE 1		PLATE 2		DIMENSIONS		SUPPORTS		STUDS		REMARKS	
					WIDTH	THICK	WIDTH	THICK	LENGTH	DIM. A	LEFT	RIGHT	NO.	SIZE		
7067	-	422	50	30WF132	10-1/2	1	-	-	-	-	834A	840D	22	3/4X3	1	
7068	-	100	50	12B16.5	-	-	-	-	-	-	-	-	-	-	2	
7069	-	100	50	16WF45	-	-	-	-	-	-	840D	832B	24	3/4X3	1	
7070	-	422	50	30WF108	10-1/2	3/4	-	-	-	-	832B	840C	22	3/4X3	1	
7071	-	100	50	12B16.5	-	-	-	-	-	-	-	-	-	-	2	
7072	-	100	50	16WF40	-	-	-	-	-	-	840C	833A	24	3/4X3	X	
7073	-	422	50	27WF94	10-1/2	3/4	-	-	-	-	833A	840A	22	3/4X3	1	
7074	-	100	50	10B15	-	-	-	-	-	-	-	-	-	-	2	
7075	-	100	50	16WF40	-	-	-	-	-	-	840A	832A	24	3/4X3		
7076	-	422	50	27WF94	10-1/2	3/4	-	-	-	-	832A	840A	22	3/4X3	1	
7077	-	100	50	10B15	-	-	-	-	-	-	-	-	-	-		
7078	-	100	50	10B15	-	-	-	-	-	-	-	-	-	-		
7079	-	100	50	16WF40	-	-	-	-	-	-	840A	831A	24	3/4X3		
7080	-	422	50	27WF94	10-1/2	3/4	-	-	-	-	831A	840B	20	3/4X3	1	
7081	-	100	50	16WF40	-	-	-	-	-	-	840A	830A	24	3/4X3		
7082	-	422	50	27WF94	10-1/2	3/4	-	-	-	-	850A	839A	20	3/4X3	1	
7083	-	100	50	16WF40	-	-	-	-	-	-	830A	840A	24	3/4X3		
7084	-	422	50	27WF94	10-1/2	3/4	-	-	-	-	831A	840A	20	3/4X3	1	
7085	-	100	50	16WF40	-	-	-	-	-	-	831A	840A	24	3/4X3		
7086	-	422	50	27WF94	10-1/2	3/4	-	-	-	-	832A	840A	22	3/4X3	1	
7087	-	100	50	16WF40	-	-	-	-	-	-	832A	840A	24	3/4X3		
7088	-	424	50	27WF94	-	-	-	-	-	-	833B	840A	22	3/4X3		
7089	-	100	50	16WF40	-	-	-	-	-	-	833B	840B	24	3/4X3		
7090	-	424	50	27WF102	-	-	-	-	-	-	832C	840B	22	3/4X3		
7091	-	100	50	16WF45	-	-	-	-	-	-	832C	840D	24	3/4X3		
7092	-	100	50	12B16.5	-	-	-	-	-	-	-	-	-	-	2	
7093	-	423	50	30WF116	10-1/2	7/8	-	-	-	-	834B	840D	22	3/4X3	1	
7094	-	100	50	16WF45	-	-	-	-	-	-	834B	841A	24	3/4X3		
7095	-	100	50	12B16.5	-	-	-	-	-	-	-	-	-	-	2	
7096	-	423	50	30WF172	15	1	-	-	-	-	835B	841A	28	3/4X3	1	
7097	-	100	50	12B16.5	-	-	-	-	-	-	-	-	-	-	2	
7098	-	100	50	16WF45	-	-	-	-	-	-	835B	842B	28	3/4X3		
7099	42X14BU	312	50	-	SEE BEAM TYPE FOR PLATES					-	-	873A	842B	64	3/4X3	

REMARKS

- SEE BEAM TYPE FOR LENGTH OF PLATE 1
- SEE 6-AB5-86 FOR SUPPORT DETAILS



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Civil & Structural Engineers

PROJECT	TITLE	DATE
THE WORLD TRADE CENTER	BEAM SCHEDULE TOWERS A AND B	1/22/68

REVISIONS

BEAM NO.	SIZE	TYPE	FY	SHAPE	PLATE 1		PLATE 2		DIMENSIONS		SUPPORTS		STUDS		REMARKS
					WIDTH	THICK	WIDTH	THICK	LENGTH	DIM. A	LEFT	RIGHT	NO.	SIZE	
7100	-	100	50	30WF116	-	-	-	-	-	-	836A	834A	20	3/4X3	
7101	-	100	50	30WF116	-	-	-	-	-	-	834A	833A	20	3/4X3	
7102	-	100	50	30WF116	-	-	-	-	-	-	833A	831A	20	3/4X3	
7103	-	100	50	30WF116	-	-	-	-	-	-	831A	831A	20	3/4X3	
7104	-	100	50	30WF116	-	-	-	-	-	-	831A	833A	20	3/4X3	
7105	-	100	50	30WF116	-	-	-	-	-	-	833B	834B	20	3/4X3	X
7106	-	100	50	30WF116	-	-	-	-	-	-	834B	862A	24	3/4X3	
7107	-	100	50	16WF36	-	-	-	-	-	-	837A	864A	14	3/4X3	
7108	-	100	50	18WF45	-	-	-	-	-	-	846B	843A	16	3/4X3	
7109	-	100	50	18WF45	-	-	-	-	-	-	843A	847A	14	3/4X3	
7110	-	100	50	18WF45	-	-	-	-	-	-	847A	844A	16	3/4X3	
7111	-	100	50	18WF45	-	-	-	-	-	-	844A	846A	16	3/4X3	
7112	-	100	50	16WF36	-	-	-	-	-	-	837A	838A	14	3/4X3	
7113	-	100	50	18WF45	-	-	-	-	-	-	845A	850A	6	3/4X3	
7114	-	100	50	18WF45	-	-	-	-	-	-	857A	847A	12	3/4X3	
7115	-	100	50	18WF45	-	-	-	-	-	-	862A	849A	20	3/4X3	
7116	-	100	50	18WF60	-	-	-	-	-	-	27.0K	851A	66	3/4X3	
7117	-	100	50	18WF45	-	-	-	-	-	-	849A	861A	20	3/4X3	
7118	-	100	50	27WF94	-	-	-	-	-	-	862A	861A	102	3/4X3	
7119	-	100	50	18WF96	-	-	-	-	-	-	862A	863A	24	3/4X3	
7120	42X14BU	313	50	-	SEE BEAM TYPE FOR PLATES					-	879A	861A	46	3/4X3	
7121	-	100	50	18WF45	-	-	-	-	-	-	864A	863A	20	3/4X3	
7122	-	100	50	18WF45	-	-	-	-	-	-	863A	851F	14	3/4X3	
7123	-	100	50	18WF96	-	-	-	-	-	-	863A	867A	16	3/4X3	
7124	-	100	50	18WF45	-	-	-	-	-	-	866A	863A	12	3/4X3	
7125	-	100	50	18WF45	-	-	-	-	-	-	864A	865A	14	3/4X3	
7126	-	100	50	24WF120	-	-	-	-	-	-	865A	867A	130	3/4X3	
7127	-	100	50	24WF68	-	-	-	-	-	-	873A	874A	6	3/4X3	
7128	-	100	50	24WF68	-	-	-	-	-	-	879A	874A	8	3/4X3	
7129	-	100	50	24WF68	-	-	-	-	-	-	879A	874A	8	3/4X3	
7130	-	100	50	24WF68	-	-	-	-	-	-	879A	875A	10	3/4X3	
7131	-	100	50	24WF68	-	-	-	-	-	-	880A	875A	8	3/4X3	
7132	-	100	50	24WF68	-	-	-	-	-	-	880A	876A	8	3/4X3	
7133	-	100	50	24WF68	-	-	-	-	-	-	881A	876A	8	3/4X3	



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PROJECT		TITLE		DATE	
THE WORLD TRADE CENTER		BEAM SCHEDULE TOWERS A AND B		1/22/68	
REVISIONS		PLATE 1		PLATE 2	
		DIMENSIONS		SUPPORTS	
		STUDS			
BEAM NO.	SIZE	TYPE	FY	SHAPE	WIDTH THICK
7134	-	100	50	24WF68	-
7135	-	100	50	24WF68	-
7136	-	100	50	24WF68	-
7137	-	100	50	24WF68	-
7138	-	100	50	24WF75	-
7139	-	100	50	24WF110	-
7140	-	100	50	24WF110	-
7141	-	100	50	18WF60	-
7142	-	100	50	18WF55	-
7143	-	100	50	18WF45	-
7144	-	100	50	18WF55	-
7145	-	100	50	18WF45	-
7146	-	100	50	18WF45	-
7147	-	100	50	18WF45	-
7148	-	100	50	18WF45	-
7149	-	100	50	24WF110	-
7150	-	100	50	18WF45	-
7151	-	100	50	18WF45	-
7152	-	100	50	18WF45	-
7153	-	100	50	18WF60	-
7154	-	100	50	18WF105	-
7155	-	100	50	18WF45	-
7156	-	100	50	18WF45	-
7157	-	100	50	18WF45	-
7158	-	100	50	18WF85	-
7159	-	100	50	18WF45	-
7160	-	100	50	18WF45	-
7161	-	437	50	18WF96	-
7162	-	100	50	18WF85	-
7163	-	100	50	18WF55	-
7164	-	100	50	18WF114	-
7165	-	100	50	18WF60	-
7166	-	100	50	18WF55	-

REVISIONS

BEAM NO. SIZE TYPE FY SHAPE WIDTH THICK WIDTH THICK LENGTH DIM. 2 LEFT RIGHT NO. SIZE REMARKS

7134 - 100 50 24WF68 - - - - 881A 877A 12 3/4X3

7135 - 100 50 24WF68 - - - - 882 875 - -

7136 - 100 50 24WF68 - - - - 882A 877A 8 3/4X3

7137 - 100 50 24WF68 - - - - 882A 878A 6 3/4X3

7138 - 100 50 24WF75 - - - - 878A 877A 6 3/4X3

7139 - 100 50 24WF110 - - - - 79.5K 865A 120 3/4X3 X

7140 - 100 50 24WF110 - - - - 869A 866A 120 3/4X3

7141 - 100 50 18WF60 - - - - 846B 848A 66 3/4X3

7142 - 100 50 18WF55 - - - - 857G 867A 12 3/4X3

7143 - 100 50 18WF45 - - - - 27.0K 851E 50 3/4X3

7144 - 100 50 18WF55 - - - - 868A 857G 14 3/4X3

7145 - 100 50 18WF45 - - - - 868A 851E 50 3/4X3

7146 - 100 50 18WF45 - - - - 862A 852C 20 3/4X3

7147 - 100 50 18WF45 - - - - 27.0K 852C 50 3/4X3

7148 - 100 50 18WF45 - - - - 869A 852C 20 3/4X3

7149 - 100 50 24WF110 - - - - 108.0K 870A 120 3/4X3

7150 - 100 50 18WF45 - - - - 857E 869A 12 3/4X3

7151 - 100 50 18WF45 - - - - 878A 857D 14 3/4X3

7152 - 100 50 18WF45 - - - - 857F 870A 14 3/4X3

7153 - 100 50 18WF60 - - - - 30.0K 851B 66 3/4X3

7154 - 100 50 18WF105 - - - - 860B 878A 18 3/4X3

7155 - 100 50 18WF45 - - - - 857D 871A 12 3/4X3

7156 - 100 50 18WF45 - - - - 871A 857E 10 3/4X3

7157 - 100 50 18WF45 - - - - 871A 857F 14 3/4X3

7158 - 100 50 18WF85 - - - - 884A 851D 92 3/4X3

7159 - 100 50 18WF45 - - - - 859B 871A 22 3/4X3

7160 - 100 50 18WF45 - - - - 871A 872A 22 3/4X3

7161 - 437 50 18WF96 - - - - 859B 860B 16 3/4X3

7162 - 100 50 18WF85 - - - - 885A 872A 92 3/4X3

7163 - 100 50 18WF55 - - - - 857C 872A 20 3/4X3

7164 - 100 50 18WF114 - - - - 856A 859B 18 3/4X3

7165 - 100 50 18WF60 - - - - 30.0K 851B 66 3/4X3

7166 - 100 50 18WF55 - - - - 856A 857C 20 3/4X3

SKILLING-HELLE-CHRISTIANSEN-ROBERTSON

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PROJECT					TITLE					DATE					
THE WORLD TRADE CENTER					BEAM SCHEDULE TOWERS A AND B					1/22/68					
BEAM NO.	SIZE	TYPE	FY	SHAPE	PLATE 1		PLATE 2		DIMENSIONS		SUPPORTS		STOPS		REMARKS
					WIDTH	THICK	WIDTH	THICK	LENGTH	DIM. A	LEFT	RIGHT	NO.	SIZE	
7167	48X1480	311	50	-	SEE BEAM TYPE FOR PLATES				-	-	856A	855B	36	3/4X3	
7168	-	100	50	18WF94	-	-	-	-	-	-	853B	855B	14	3/4X3	
7169	-	100	50	18WF60	-	-	-	-	-	-	33.0K	851A	66	3/4X3	
7170	-	100	50	18WF94	-	-	-	-	-	-	853A	855B	14	3/4X3	
7171	-	100	50	18WF45	-	-	-	-	-	-	853B	854A	14	3/4X3	
7172	-	100	50	18WF60	-	-	-	-	-	-	838A	854A	66	3/4X3	X
7173	-	100	50	27WF145	-	-	-	-	-	-	836A	853A	16	3/4X3	
7174	-	100	50	18WF45	-	-	-	-	-	-	853A	852A	26	3/4X3	
7175	-	100	50	18WF60	-	-	-	-	-	-	836A	852A	66	3/4X3	
7176	-	100	50	18WF45	-	-	-	-	-	-	849A	852A	20	3/4X3	
7177	-	100	50	18WF60	-	-	-	-	-	-	27.0K	851A	66	3/4X3	
7178	-	100	50	18WF45	-	-	-	-	-	-	849A	848A	20	3/4X3	
7179	-	100	50	18WF45	-	-	-	-	-	-	857A	847A	12	3/4X3	
7180	48X1480	310	50	-	SEE BEAM TYPE FOR PLATES				-	-	847A	856A	64	3/4X3	
7181	-	100	50	18WF45	-	-	-	-	-	-	847A	844A	16	3/4X3	
7182	-	100	50	18WF60	-	-	-	-	-	-	846A	848A	56	3/4X3	
7183	-	100	50	18WF45	-	-	-	-	-	-	846A	843A	16	3/4X3	
7184	-	100	50	18WF45	-	-	-	-	-	-	843A	847A	14	3/4X3	
7185	-	100	50	18WF45	-	-	-	-	-	-	844A	848A	16	3/4X3	
7186	-	100	50	30WF116	-	-	-	-	-	-	834A	856A	24	3/4X3	
7187	-	100	50	16WF45	-	-	-	-	-	-	835A	842A	28	3/4X3	
7188	32X1480	307	50	-	14	1	-	5/8	-	-	841B	835A	28	3/4X3	
7189	-	100	50	16WF45	-	-	-	-	-	-	834A	841B	24	3/4X3	
7190	-	422	50	30WF132	10-1/2	1	-	-	-	-	840D	834A	22	3/4X3	2
7191	-	100	50	16WF45	-	-	-	-	-	-	832B	840D	24	3/4X3	
7192	-	422	50	30WF108	10-1/2	3/4	-	-	-	-	840C	832B	22	3/4X3	2
7193	-	100	50	30WF116	-	-	-	-	-	-	833A	834A	20	3/4X3	
7194	-	100	50	16WF40	-	-	-	-	-	-	833A	840C	24	3/4X3	
7195	-	422	50	27WF94	10-1/2	3/4	-	-	-	-	840A	833A	22	3/4X3	2
7196	-	100	50	16WF40	-	-	-	-	-	-	832A	840A	24	3/4X3	
7197	-	100	50	30WF116	-	-	-	-	-	-	831A	833A	20	3/4X3	
7198	-	422	50	27WF94	10-1/2	3/4	-	-	-	-	840A	832A	22	3/4X3	2
7199	-	100	50	16WF40	-	-	-	-	-	-	831A	840A	24	3/4X3	

REMARKS

- SEE BEAM TYPE FOR LENGTH OF PLATE 2
- SEE BEAM TYPE FOR LENGTH OF PLATE 1



SKILLING-HELLE-CHRISTIANSEN-ROBERTSON

Civil & Structural Engineers

PROJECT

THE WORLD TRADE CENTER

TITLE

BEAM SCHEDULE TOWERS A AND B

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1/22/68

REVISIONS

BEAM NO.	SIZE	TYPE	FY	SHAPE	PLATE 1		PLATE 2		DIMENSIONS		SUPPORTS		STUDS		REMARKS
					WIDTH	THICK	WIDTH	THICK	LENGTH	DIM. A	LEFT	RIGHT	NO.	SIZE	
7200	-	422	50	27WF94	10-1/2	3/4	-	-	-	-	840A	831A	20	3/4X3	1
7201	-	100	50	30WF116	-	-	-	-	-	-	831A	831A	20	3/4X3	
7202	-	100	50	16WF40	-	-	-	-	-	-	830A	840A	24	3/4X3	
7203	-	422	50	27WF94	10-1/2	3/4	-	-	-	-	839A	830A	20	3/4X3	
7204	-	100	50	16WF40	-	-	-	-	-	-	840A	830A	24	3/4X3	
7205	-	100	50	16WF40	-	-	-	-	-	-	840A	831A	24	3/4X3	X
7206	-	422	50	27WF94	10-1/2	3/4	-	-	-	-	840A	831A	20	3/4X3	1
7207	-	100	50	30WF116	-	-	-	-	-	-	833B	831A	20	3/4X3	
7208	-	422	50	27WF94	10-1/2	3/4	-	-	-	-	840A	832A	22	3/4X3	1
7209	-	100	50	16WF40	-	-	-	-	-	-	840A	832A	24	3/4X3	
7210	-	424	50	27WF94	-	-	-	-	-	-	840A	833B	22	3/4X3	
7211	-	100	50	16WF40	-	-	-	-	-	-	840A	833B	24	3/4X3	
7212	-	100	50	30WF116	-	-	-	-	-	-	834B	833B	20	3/4X3	
7213	-	424	50	27WF102	-	-	-	-	-	-	840B	832C	22	3/4X3	
7214	-	100	50	16WF45	-	-	-	-	-	-	840D	832C	24	3/4X3	
7215	-	423	50	30WF116	10-1/2	7/8	-	-	-	-	840D	834B	22	3/4X3	1
7216	-	100	50	16WF45	-	-	-	-	-	-	841A	834B	24	3/4X3	
7217	-	423	50	30WF172	15	1	-	-	-	-	841A	835B	28	3/4X3	1
7218	-	100	50	16WF45	-	-	-	-	-	-	842A	835B	28	3/4X3	
7219	-	100	50	30WF116	-	-	-	-	-	-	836A	834B	24	3/4X3	
7220	-	100	50	16WF36	-	-	-	-	-	-	838A	837A	14	3/4X3	
7221	-	100	50	12B16.5	-	-	-	-	-	-	-	-	-	-	2
7222	-	100	50	12B16.5	-	-	-	-	-	-	-	-	-	-	2
7223	-	100	50	12B16.5	-	-	-	-	-	-	-	-	-	-	2
7224	-	100	50	10B15	-	-	-	-	-	-	-	-	-	-	2
7225	-	100	50	10B15	-	-	-	-	-	-	-	-	-	-	2
7226	-	100	50	10B15	-	-	-	-	-	-	-	-	-	-	2
7227	-	100	50	12B16.5	-	-	-	-	-	-	-	-	-	-	2
7228	-	100	50	12B16.5	-	-	-	-	-	-	-	-	-	-	2
7229	-	100	50	5WF16	-	-	-	-	-	-	-	-	-	-	2
7230	-	100	50	5WF16	-	-	-	-	-	-	-	-	-	-	2
7231	-	100	50	18WF45	-	-	-	-	-	-	836A	849A	20	3/4X3	
7232	-	100	50	18WF45	-	-	-	-	-	-	836A	857A	12	3/4X3	
7233	-	100	50	18WF45	-	-	-	-	-	-	848A	849A	20	3/4X3	

REMARKS

- 1 SEE BEAM TYPE FOR LENGTH OF PLATE 1
- 2 SEE 6-AB5-86 FOR SUPPORT DETAILS

SKILLING, HELLE, CHRISTIANSEN, ROBERTSON

Structural & Civil Engineers

PROJECT

THE WORLD TRADE CENTER

TITLE

BEAM SCHEDULE TOWERS A AND B

DATE 12/ 6/68

REVISIONS

BEAM NO.	SIZE	TYPE	FY	SHAPE	PLATE 1		PLATE 2		DIMENSIONS		SUPPORTS		STUDS		REMARKS
					WIDTH	THICK	WIDTH	THICK	LENGTH	DIM. A	LEFT	RIGHT	NO.	SIZE	
7234	-	100	50	18WF45	-	-	-	-	-	-	857A	836A	12	3/4X3	
7235	-	100	50	18WF45	-	-	-	-	-	-	857A	836A	12	3/4X3	
7236	-	100	50	18WF45	-	-	-	-	-	-	848A	849A	20	3/4X3	
7237	-	100	50	18WF45	-	-	-	-	-	-	849A	848A	20	3/4X3	
7238	-	100	50	18WF45	-	-	-	-	-	-	862A	857A	12	3/4X3	
7239	-	100	36	9CH13.4	-	-	-	-	-	-	363A	17.4K	-	-	X
7240	-	100	36	16WF36	-	-	-	-	-	-	739	739	48	3/4X3	1
7241	-	700	36	12WF27	8-1/2	1/2	-	-	SEE SUPT. DET.		739	739	36	3/4X3	
7242	-	100	36	12WF27	-	-	-	-	-	-	287D	26.5K	16	3/4X3	
7243	-	100	36	12WF27	-	-	-	-	-	-	348C	364H	-	-	
7244	-	100	36	12B22	-	-	-	-	-	-	26.5K	26.5K	20	3/4X3	
7245	-	100	36	15CH33.9	-	-	-	-	-	-	357K	26.5K	20	3/4X3	
7246	16x5-1/2BX	201	36	-	4	3/8	16	3/4	-	-	254E	206B	-	-	
7247	-	100	36	36WF160	-	-	-	-	-	-	209B	260E	-	-	
7248	-	100	36	27WF84	-	-	-	-	-	-	198.0K	198.0K	-	-	
7249	-	100	36	24WF68	-	-	-	-	-	-	165.0K	165.0K	-	-	
7250	-	100	36	24WF84	-	-	-	-	-	-	165.0K	165.0K	-	-	2
7251	-	100	36	10B15	-	-	-	-	-	-	17.4K	17.4K	-	-	3
7252	-	100	36	10CH15.3	-	-	-	-	-	-	22.8K	22.8K	-	-	3
7253	-	100	36	12B22	-	-	-	-	-	-	26.5K	26.5K	-	-	3
7254	-	100	36	8CH11.5	-	-	-	-	-	-	11.8K	11.8K	-	-	3
7255	-	100	36	8B13	-	-	-	-	-	-	17.4K	17.4K	-	-	3
7256	-	100	36	14WF30	-	-	-	-	-	-	38.0K	38.0K	-	-	3
7257	-	100	36	14WF30	-	-	-	-	-	-	38.0K	38.0K	-	-	3
7258	-	100	50	12WF40	-	-	-	-	-	-	101B	54.1K	-	-	
7259	-	100	36	18WF45	-	-	-	-	-	-	472J	472A	-	-	
7260	-	100	36	10WF29	-	-	-	-	-	-	364F	2201	-	-	
7261	-	100	36	18WF45	-	-	-	-	-	-	472A	452C	-	-	
7262	-	466	50	12WF58	-	-	-	-	-	-	47.1K	54.1K	-	-	
7263	-	100	36	8B13	-	-	-	-	-	-	17.4K	510C	-	-	
7264	-	468	50	14B22	-	-	-	-	-	-	36.1K	26.5K	30	3/4X3	
7265	-	100	36	12WF36	-	-	-	-	-	-	272B	26.5K	-	-	

REMARKS

- 2 ONE SIDED ANGLE CONN. BOTH ENDS.
3 FIELD WELD CONN. BOTH ENDS.



SKILLING-HELLE-CHRISTIANSEN-ROBERTSON

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PROJECT

THE WORLD TRADE CENTER

TITLE

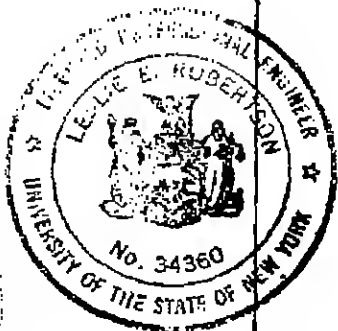
BEAM SCHEDULE TOWERS A AND B

DATE

7/17/68

REVISIONS

BEAM NO.	SIZE	TYPE	FY	SHAPE	PLATE 1		PLATE 2		DIMENSIONS		SUPPORTS		STUDS		REMARKS
					WIDTH	THICK	WIDTH	THICK	LENGTH	DIM. A	LEFT	RIGHT	NO.	SIZE	
7267	-	470	50	12WF85	-	-	-	-	-	-	70.7K	101B	-	-	-
7268	-	415	50	12WF85	-	-	-	-	-	18FT 4	70.7K	70.7K	-	-	-
7269	-	416	50	12WF65	-	-	-	-	-	24FT 0	54.1K	54.1K	-	-	-
7270	-	416	50	12WF65	-	-	-	-	-	22FT 7	101B	54.1K	-	-	-
7271	-	416	50	12WF65	-	-	-	-	-	20FT 10	54.1K	54.1K	-	-	-
7278	8X4B	402	36	8B13	3	1/4	-	-	FULL LENGTH		17.4K	17.4K	-	-	-



SKILLING-HELLE-CHRISTIANSEN-ROBERTSON

Civil & Structural Engineers

PROJECT	THE WORLD TRADE CENTER	TITLE	BEAM SCHEDULE TOWERS A AND B	DATE	9/18/68
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REVISIONS

BEAM NO.	SIZE	TYPE	FY	SHAPE	PLATE 1		PLATE 2		DIMENSIONS		SUPPORTS		STUDS		REMARKS
					WIDTH	THICK	WIDTH	THICK	LENGTH	DIM. A	LEFT	RIGHT	NO.	SIZE	
7303	-	100	36	21WF55	-	-	-	-	-	-	272G	272D	-	-	
7304	-	100	50	18WF114	-	-	-	-	-	-	272D	251J	-	-	
7305	-	100	50	21WF68	-	-	-	-	-	-	430C	430B	-	-	
7306	-	100	50	21WF112	-	-	-	-	-	-	251F	237H	-	-	
7307	-	100	50	21WF142	-	-	-	-	-	-	237G	251F	-	-	
7308	-	100	50	21WF68	-	-	-	-	-	-	430B	430C	-	-	
7309	-	100	50	18WF114	-	-	-	-	-	-	251J	272D	-	-	
7310	-	100	36	21WF55	-	-	-	-	-	-	272D	272G	-	-	
7311	-	100	50	21WF82	-	-	-	-	-	-	272G	251F	-	-	
7312	-	100	50	21WF68	-	-	-	-	-	-	430B	430B	-	-	
7313	-	100	50	21WF112	-	-	-	-	-	-	251F	237H	-	-	
7314	-	100	50	24I79.9	-	-	-	-	-	-	237G	234J	-	-	
7315	-	100	50	24I79.9	-	-	-	-	-	-	234J	234J	-	-	
7316	-	100	36	24I79.9	-	-	-	-	-	-	234J	234J	-	-	
7317	-	100	50	24I79.9	-	-	-	-	-	-	234J	234J	-	-	
7318	-	100	50	24I79.9	-	-	-	-	-	-	234J	237J	-	-	
7319	-	100	50	24I79.9	-	-	-	-	-	-	237G	234J	-	-	
7320	-	100	50	24I79.9	-	-	-	-	-	-	234J	234J	-	-	
7321	-	100	36	24I79.9	-	-	-	-	-	-	234J	234J	-	-	
7322	-	100	50	24I79.9	-	-	-	-	-	-	234J	234J	-	-	
7323	-	100	50	24I79.9	-	-	-	-	-	-	234J	237G	-	-	
7324	-	100	50	24WF120	-	-	-	-	-	-	237G	251L	-	-	
7325	-	100	36	24WF68	-	-	-	-	-	-	430B	430B	-	-	
7326	-	100	50	24WF76	-	-	-	-	-	-	251L	272G	-	-	
7327	-	100	36	24WF68	-	-	-	-	-	-	272G	272G	-	-	
7328	-	406	50	30WF124	-	-	-	-	-	-	272G	251L	-	-	
7329	-	100	36	24WF68	-	-	-	-	-	-	430B	430B	-	-	
7330	-	100	50	24WF110	-	-	-	-	-	-	251L	237G	-	-	
7331	-	100	50	24WF120	-	-	-	-	-	-	237I	251L	-	-	
7332	-	100	36	24WF68	-	-	-	-	-	-	430B	430C	-	-	
7333	-	406	50	30WF124	-	-	-	-	-	-	251L	272D	-	-	

REMARKS



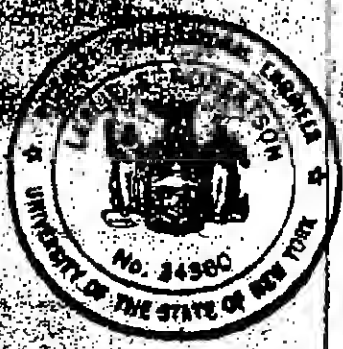
PROJECT THE WORLD TRADE CENTER

TITLE BEAM SCHEDULE TOWERS A AND B

BEAM NO.	SIZE	TYPE	FY	SHAPE	PLATE 1		PLATE 2		DIMENSIONS		SUPPORTS		STUDS		REMARKS
					WIDTH	THICK.	WIDTH	THICK.	LENGTH	DIM. A	LEFT	RIGHT	NO.	SIZE	
7334	-	10C	36	24WF68	-	-	-	-	-	-	272D	272G	-	-	
7335	-	10C	50	24WF76	-	-	-	-	-	-	272G	251L	-	-	
7336	-	10C	36	24WF68	-	-	-	-	-	-	430B	430B	-	-	
7337	-	10C	50	24WF110	-	-	-	-	-	-	251L	237G	-	-	
7338	-	10C	50	24I100	-	-	-	-	-	-	237G	234K	-	-	
7339	-	10C	50	24I100	-	-	-	-	-	-	234F	234F	-	-	
7340	-	10C	26	24I79.9	-	-	-	-	-	-	234F	234F	-	-	
7341	-	10C	50	24I100	-	-	-	-	-	-	234F	234F	-	-	
7342	-	10C	50	24I100	-	-	-	-	-	-	234K	237G	-	-	
7343	-	10C	50	24I100	-	-	-	-	-	-	237G	234L	-	-	
7344	-	10C	50	24I100	-	-	-	-	-	-	234K	234K	-	-	
7345	-	10C	36	24I79.9	-	-	-	-	-	-	234K	234K	-	-	
7346	-	10C	50	24I100	-	-	-	-	-	-	234K	234K	-	-	
7347	-	10C	50	24I100	-	-	-	-	-	-	234L	237J	-	-	
7348	-	10C	50	21WF142	-	-	-	-	-	-	237G	251L	-	-	
7349	-	10C	50	21WF82	-	-	-	-	-	-	251J	272G	-	-	
7350	-	10C	50	24I100	-	-	-	-	-	-	237G	234K	-	-	
7351	-	10C	50	24I100	-	-	-	-	-	-	237J	234L	-	-	
7352	-	10C	50	24I100	-	-	-	-	-	-	234L	237J	-	-	
7353	-	10C	50	24I100	-	-	-	-	-	-	234K	237G	-	-	
7354	-	10C	36	8813	-	-	-	-	-	-	17.4K	164A	-	-	
7355	-	10C	36	8813	-	-	-	-	-	-	164A	17.4K	-	-	
7358	-	10C	50	24WF110	-	-	-	-	-	-	237G	251L	-	-	
7359	-	10C	36	24WF68	-	-	-	-	-	-	430B	430C	-	-	
7360	-	10C	50	30WF124	-	-	-	-	-	-	251L	272D	-	-	
7361	-	10C	36	24WF68	-	-	-	-	-	-	272D	272G	-	-	
7362	-	10C	50	24WF76	-	-	-	-	-	-	272G	251L	-	-	
7363	-	10C	36	24WF68	-	-	-	-	-	-	430B	430B	-	-	
7364	-	10C	50	24WF110	-	-	-	-	-	-	251L	237G	-	-	
7365	-	10C	50	24WF145	-	-	-	-	-	-	237I	251L	-	-	
7366	-	10C	50	24WF68	-	-	-	-	-	-	430B	430B	-	-	
REMARKS															

REVISIONS														
BEAM NO.	SIZE	TYPE	FY	SHAPE	PLATE 1		PLATE 2		DIMENSIONS		SUPPORTS		STUDS	
					WIDTH	THICK	WIDTH	THICK	LENGTH	DIM. A	LEFT	RIGHT	NO.	SIZE
7367	-	10C	50	24WF76	-	-	-	-	-	-	251M	272C	-	-
7368	-	10C	36	24WF68	-	-	-	-	-	-	272G	272G	-	-
7369	-	406	50	30WF124	-	-	-	-	-	-	272G	251L	-	-
7370	-	10C	36	24WF68	-	-	-	-	-	-	430B	430B	-	-
7371	-	10C	50	24WF11C	-	-	-	-	-	-	251L	237G	-	-
7372	-	100	50	21WF68	-	-	-	-	-	-	430B	430B	-	-

REMARKS



SKILLING, HELLE, CHRISTIANSEN, ROBERTSON

Structural & Civil Engineers

PROJECT THE WORLD TRADE CENTER					TITLE BEAM SCHEDULE TOWERS A AND B							DATE 11/27/68			
BEAM NO.	SIZE	TYPE	FY	SHAPE	PLATE 1		PLATE 2		DIMENSIONS		SUPPORTS		STUDS		REMARKS
					WIDTH	THICK	WIDTH	THICK	LENGTH	DIM. A	LEFT	RIGHT	NO.	SIZE	
8000	-	100	36	10WF21	-	-	-	-	-	-	1111	471A	-	-	
8001	-	100	36	10WF21	-	-	-	-	-	-	541A	540A	-	-	
8002	-	100	36	12WF40	-	-	-	-	-	-	370K	370K	-	-	
8003	-	100	36	12WF40	-	-	-	-	-	-	369A	369B	-	-	
8004	16X5-1/28X	202	36	-	4	3/8	16	3/4	-	-	285A	274G	-	-	
8005	-	100	36	10WF21	-	-	-	-	-	-	540A	541A	-	-	X
8006	-	100	36	16B26	-	-	-	-	-	-	26.5K	509A	-	-	
8007	-	100	36	10WF21	-	-	-	-	-	-	471A	1111	-	-	
8008	-	100	36	10WF25	-	-	-	-	-	-	506B	506A	-	-	
8009	-	100	36	12WF36	-	-	-	-	-	-	17.4K	17.4K	-	-	
8010	-	100	36	14WF30	-	-	-	-	-	-	508	512	-	-	1
8011	-	100	36	10WF21	-	-	-	-	-	-	471B	1111	-	-	
8012	16X8WF	405	36	16B31	8	1/2	-	-	15FT 0	-	294D	463C	-	-	
8013	27X12WF	405	36	27WF84	12	3/8	-	-	15FT 0	5FT 6	251G	482B	30	3/4X3	
8014	8X6B	405	36	8B13	6	1/4	-	-	6FT 0	-	17.4K	17.4K	-	-	
8015	16X6WF	405	50	16B26	6	3/8	-	-	18FT 0	-	201S	179A	10	3/4X3	
8016	-	100	50	21WF55	-	-	-	-	-	-	40.0K	40.0K	76	3/4X3	
8017	8X6WF	405	36	8B13	6	1/4	-	-	4FT 0	-	484	15.0K	-	-	
8018	30X10 BU	300	36	-	10	1-3/4	26-1/2	1/2	-	-	201L	283Q	15	3/4X3	
8019	12X8WF	405	36	12WF27	8	3/8	-	-	16FT 0	-	40.0K	40.0K	36	3/4X3	
8020	-	100	50	18WF60	-	-	-	-	-	-	45.0K	45.0K	-	-	
8021	16X7WF	405	50	16B31	7	1/2	-	-	18FT 0	-	45.0K	45.0K	24	3/4X3	6
8022	10X7WF	405	36	10B15	7	5/8	-	-	11FT 0	-	30.0K	30.0K	-	-	
8023	10X7WF	405	36	10B15	7	5/8	-	-	11FT 0	-	30.0K	30.0K	-	-	
8024	14X8WF	405	36	14B22	8	1/2	-	-	12FT 0	1FT 0	342A	370J	32	3/4X3	2, 6
8025	16X8WF	405	36	16B26	8	3/8	-	-	12FT 0	-	111P	201P	24	3/4X3	3, 4
8026	12X8WF	405	36	12WF27	8	3/8	-	-	14FT 0	-	35.0K	35.0K	-	-	4
8027	16X8WF	405	36	16B26	8	3/8	-	-	12FT 0	-	111P	201P	18	3/4X3	5
8028	16X8WF	405	36	16B26	8	1/2	-	-	12FT 0	-	111P	201P	24	3/4X3	3
8029	12X8WF	405	36	12WF27	8	1/2	-	-	14FT 0	-	45.0K	45.0K	-	-	
8030	12X8WF	405	36	12WF27	8	3/8	-	-	14FT 0	-	35.0K	35.0K	-	-	
8031	16X8WF	405	36	16B31	8	1/2	-	-	14FT 0	-	111P	111P	-	-	3
8032	-	100	36	16WF45	-	-	-	-	-	-	17.4K	17.4K	-	-	
8033	-	100	36	9CH13.4	-	-	-	-	-	-	501A	501A	-	-	

REMARKS

- 1 DETAIL 178A RIGHT END OF BEAM
- 2 AT LEFT CONNECTION, 342A, MAKE WEB CONNECTION STD FOR 45.0K
- 3 AT LEFT AND RIGHT CONNECTIONS, USE PLATE 3/4X12 INCH LONG, AND BOLTS FOR 100.0K
- 4 USE COVER PLATES ONLY AT FLOOR 84 TOWER B
- 5 USE COVER PLATES ONLY AT FLOOR 91 TOWER B
- 6 USE COVER PLATES ONLY AT FLOOR 83 TOWER A, AND ONLY AT FLOORS 84 AND 92 TOWER B

SKILLING, HELLE, CHRISTIANSEN, ROBERTSON

Structural & Civil Engineers

PROJECT THE WORLD TRADE CENTER					TITLE BEAM SCHEDULE TOWERS A AND B					DATE 1/10/69					
BEAM NO.	SIZE	TYPE	FY	SHAPE	PLATE 1		PLATE 2		DIMENSIONS		SUPPORTS		STUDS		REMARKS
					WIDTH	THICK	WIDTH	THICK	LENGTH	DIM. A	LEFT	RIGHT	NO.	SIZE	
8034	-	100	36	16826	-	-	-	-	-	-	452A	462A	-	-	
8035	14X7 WF	405	36	14822	7	1/4	-	-	18FT 0	-	35.0K	35.0K	-	-	1
8036	16X9 WF	405	36	16WF40	9	3/8	-	-	18FT 0	-	106E	106E	42	3/4X3	2
8037	12X6 WF	405	36	12816.5	6	1/4	-	-	10FT 0	-	35.0K	35.0K	15	3/4X3	2
8038	16X7 WF	405	36	16831	7	3/8	-	-	16FT 0	-	35.0K	35.0K	-	-	2
8039	16X9 WF	405	36	16WF40	9	1/2	-	-	18FT 0	-	266B	106F	42	3/4X3	
8040	-	100	36	10WF45	-	-	-	-	-	-	35.0K	35.0K	15	3/4X3	
8041	16X7 WF	405	36	16831	7	1/2	-	-	16FT 0	-	35.0K	35.0K	-	-	
8042	14X7 WF	405	36	14822	7	1/4	-	-	10FT 0	1FT 0	35.0K	35.0K	13	3/4X3	
8043	12X8 WF	405	50	12WF31	8	3/8	-	-	10FT 0	1FT 0	357F	201Q	15	3/4X3	
8044	10X6 WF	405	36	10815	6	1/4	-	-	10FT 0	-	179B	25.0K	-	-	1
8045	12X5-1/2WF	405	50	12819	5-1/2	1/4	-	-	14FT 0	-	283R	111K	30	3/4X3	
8048	-	100	36	16WF36	-	-	-	-	-	-	608	40.0K	-	-	
8049	-	100	36	16WF36	-	-	-	-	-	-	30.0K	30.0K	-	-	
8050	-	100	36	16WF36	-	-	-	-	-	-	808	25.0K	-	-	
8051	-	100	36	16WF50	-	-	-	-	-	-	40.0K	40.0K	-	-	
8052	-	100	36	16WF45	-	-	-	-	-	-	25.0K	25.0K	-	-	
8053	21X8WF	402	36	21WF68	7-1/2	1	-	-	16FT 0	-	35.3K	35.3K	-	-	
8054	30X15WF	402A	36	30WF172	13-3/4	1-5/8	6	1-1/4	22FT 0	2FT 0	151	237C	-	-	
8055	30X15WF	402A	36	30WF172	13-3/4	1-5/8	6	1-1/4	22FT 0	-	237C	151	-	-	6
8056	-	600	36	68X15.4	-	-	-	-	-	-	451A	451A	-	-	4
8057	-	600	36	68X15.4	-	-	-	-	-	-	451A	451A	-	-	4
8058	-	100	36	12WF27	-	-	-	-	-	-	809B	15.0K	-	-	
8059	16X5-1/2WF	402	50	16831	4	1	-	-	18FT 0	1FT 0	364E	335B	30	3/4X3	5
8060	18X4CH	501	36	18CH42.7	3	1	-	-	18FT 0	1FT 0	246B	249A	-	-	
8061	-	100	36	12WF27	-	-	-	-	-	-	15.0K	15.0K	-	-	
8062	16X7 WF	402	36	16WF40	5	1/2	-	-	16FT 0	-	26.5K	26.5K	-	-	
8063	16X7 WF	402	36	16WF40	5	1/2	-	-	16FT 0	-	26.5K	26.5K	-	-	
8064	-	403	50	30WF108	-	-	-	-	-	-	154A	231A	164	3/4X3	7
8065	-	403	50	30WF108	-	-	-	-	-	-	231A	154A	164	3/4X3	7
REMARKS															
1 USE COVER PLATES ONLY AT FLOORS 84 & 92 TOWER B.															
2 USE COVER PLATES ONLY AT FLOOR 91 TOWER B.															
3 SEE DETAIL 2098 RIGHT END OF BEAM.															
4 STANDARD STRUCT. TUBING 6X4X1/4.															
5 DETAIL 405 RIGHT END OF BEAM.															
6 END OF PLATES 1 AND 2 AT 2FT0 FROM RIGHT END OF BEAM.															
7 AT FLOOR 44 TOWER A USE BOTTOM COVER PLATE 12X1 FOR FULL LENGTH IN LIEU OF PLATE SHOWN FOR BEAM TYPE 403.															

REMARKS

1. USE COVER PLATES ONLY AT FLOORS 84 & 92 TOWER B.
2. USE COVER PLATES ONLY AT FLOOR 91 TOWER B.
3. SEE DETAIL 2098 RIGHT END OF BEAM.
4. STANDARD STRUCT. TUBING 6X4X1/4.
5. DETAIL 405 RIGHT END OF BEAM.
6. END OF PLATES 1 AND 2 AT 2FT0 FROM RIGHT END OF BEAM.
7. AT FLOOR 44 TOWER A USE BOTTOM COVER PLATE 12X1 FOR FULL LENGTH IN LIEU OF PLATE SHOWN FOR BEAM TYPE 403.

SKILLING, HELLE, CHRISTIANSEN, ROBERTSON

Structural & Civil Engineers

PROJECT

THE WORLD TRADE CENTER

TITLE

BEAM SCHEDULE TOWERS A AND B

DATE

9/30/69

EVISIONS

BEAM NO.	SIZE	TYPE	FY	SHAPE	PLATE 1		PLATE 2		DIMENSIONS		SUPPORTS		STUDS		REMARKS
					WIDTH	THICK	WIDTH	THICK	LENGTH	DIM. A	LEFT	RIGHT	NO.	SIZE	
8067	16X11-1/2WF	40C	36	16WF96	9	3/4	-	-	24FT 0	-	106G	72.0K	106	3/4X3	
8068	16X11-1/2WF	400	36	16WF96	8	3/4	-	-	24FT 0	-	106G	72.0K	100	3/4X3	
8069	-	100	36	12B22	-	-	-	-	-	-	26.5K	26.5K	30	3/4X3	
8070	-	100	36	12B19	-	-	-	-	-	-	26.5	105L	6	3/4X3B	
8071	-	100	36	12B22	-	-	-	-	-	-	26.5K	26.5K	20	3/4X3	



5-AB1-243

PROJECT

THE WORLD TRADE CENTER

TITLE

BEAM TYPES - INDEX & NOTES

DATE

4/ 1/69

REVISIONS

Printed 5-1-69

5-AB2- 1 NOTES & INDEX
 5-AB2- 2 BEAM TYPE 200 - 210, 220
 5-AB2- 2.1 BEAM TYPE 203, 206, 207, 208
 5-AB2- 3 NOT USED
 5-AB2- 4 BEAM TYPE 250 - 251
 5-AB2- 5 NOT USED
 5-AB2- 6 BEAM TYPE 300, 320, 321
 5-AB2- 7 BEAM TYPE 301
 5-AB2- 8 NOT USED
 5-AB2- 9 BEAM TYPE 305, 306, 307
 5-AB2-10 BEAM TYPE 400, 401
 5-AB2-11 BEAM TYPE 402, 405
 5-AB2-11.1 BEAM TYPE 402A
 5-AB2-12 BEAM TYPE 403, 444
 5-AB2-12.1 BEAM TYPE 441, 457
 5-AB2-12.2 BEAM TYPE 442, 448
 5-AB2-12.3 BEAM TYPE 443, 447
 5-AB2-12.4 DETAIL 1, 2, 3, 4
 5-AB2-12.5 TRUSS SEAT B1 - B4
 5-AB2-12.6 TRUSS SEAT B5 - B6
 5-AB2-13 BEAM TYPE 404, 425
 5-AB2-14 BEAM TYPE 406 - 412
 5-AB2-15 BEAM TYPE 500, 507
 5-AB2-16 BEAM TYPE 501, 508, 516
 5-AB2-17 BEAM TYPE 502, 509, 511, 514
 5-AB2-18 BEAM TYPE 503, 510
 5-AB2-19 BEAM TYPE 504, 515
 5-AB2-20 BEAM TYPE 505
 5-AB2-21 BEAM ELEVATION 400, 401, 402, 405
 5-AB2-22 BEAM TYPE 512, 513
 5-AB2-23 BEAM TYPE 415 - 421, 470
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 5-AB2-27 BEAM TYPE 310 - 313
 5-AB2-28 BEAM TYPE 428 - 431
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 5-AB2-30 BEAM TYPE 433
 5-AB2-31 BEAM TYPE 434, 458, 459
 5-AB2-32 BEAM TYPE 436, 437
 5-AB2-33 BEAM TYPE 440
 5-AB2-34 BEAM TYPE 446, 449
 5-AB2-35 BEAM ELEVATION TYPE 451, 452, 456
 5-AB2-36 BEAM ELEVATION TYPE 453, 454, 455
 5-AB2-37 BEAM ELEVATION TYPE 413, 414
 5-AB2-38 BEAM TYPE 460 - 463, 465, 467
 5-AB2-39 BEAM TYPE 464, 466
 5-AB2-40 BEAM TYPE 469

NOTES

1. SEE 5-AB1 FOR BEAM SCHEDULE
2. BEAM TYPE 100 IS A ROLLED SHAPE
3. BEAM TYPE 600 IS A RECTANGULAR SEAMLESS STRUCTURAL TUBING AND SHALL CONFORM TO ASTM A501.



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PROJECT THE WORLD TRADE CENTER

TITLE

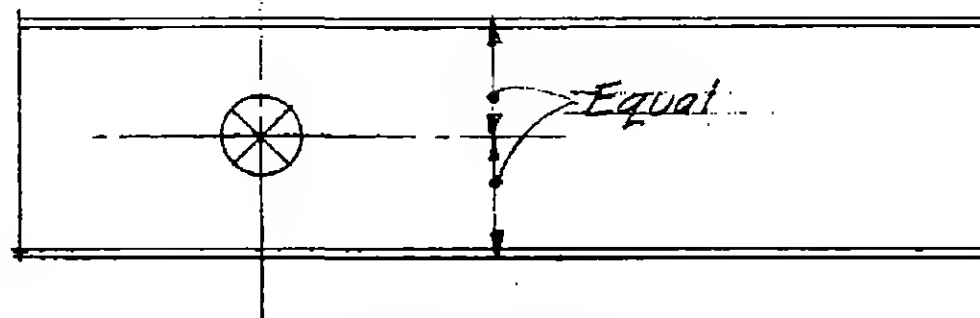
BEAM TYPE 406 - 412

DATE 5-1-67

REVISIONS

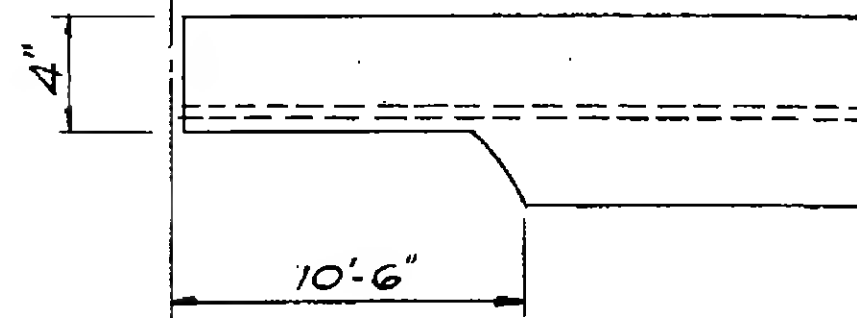
5-22-67
9-15-67
11-21-67

See plan for
location & size of opng.



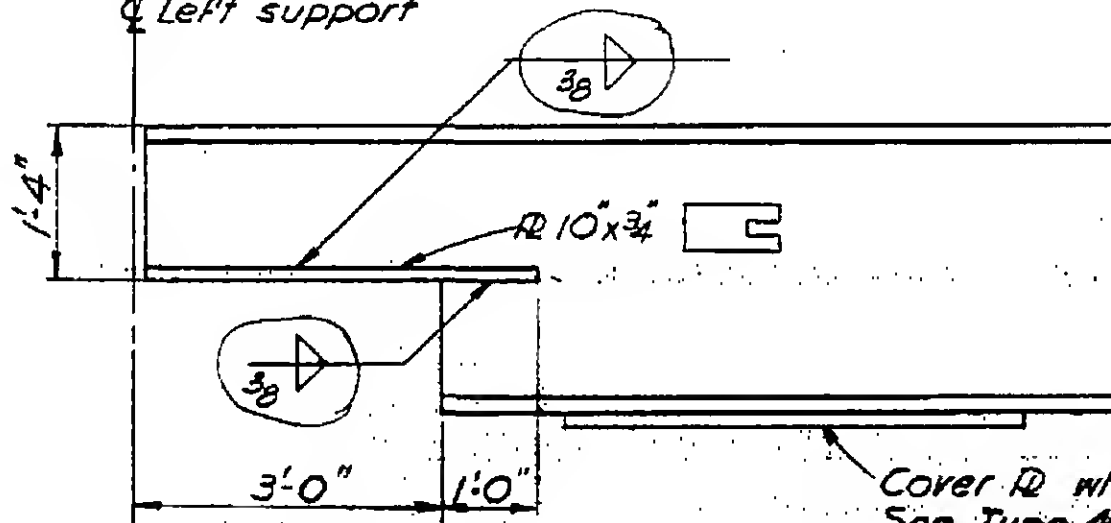
Type 406

Left support



Type 411

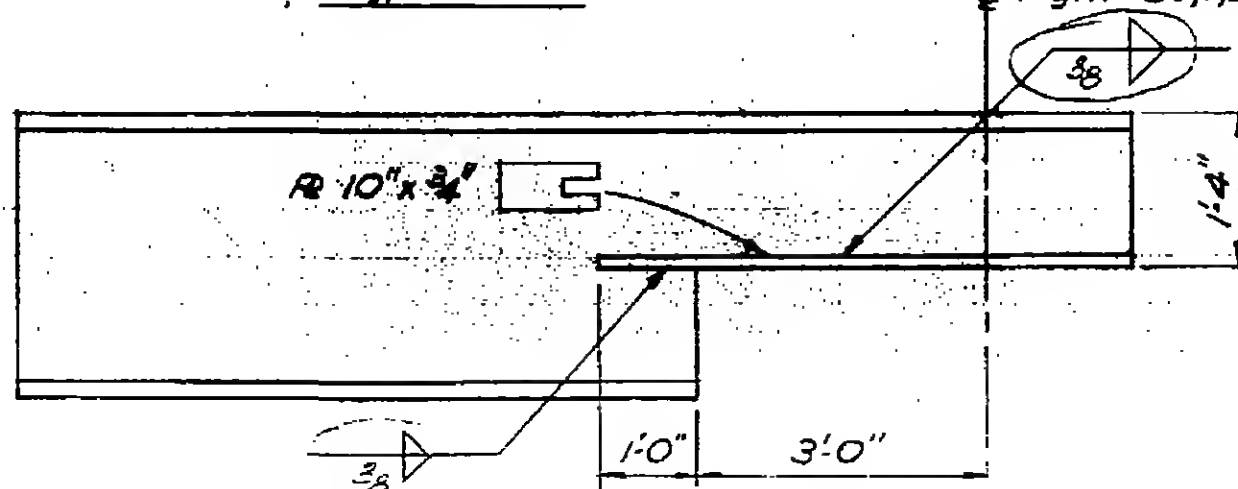
Left support



Type 407

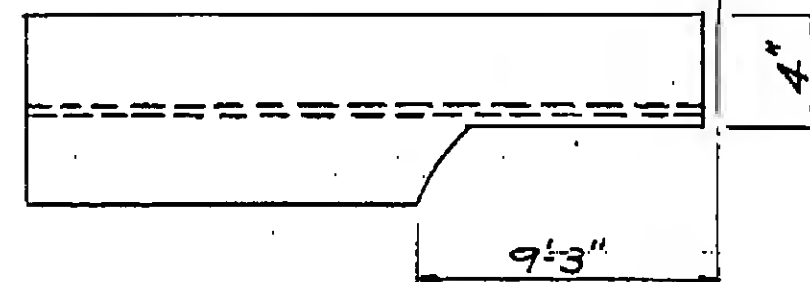
Cover 10 where scheduled
See Type 400 for details
not shown.

right support



Type 408

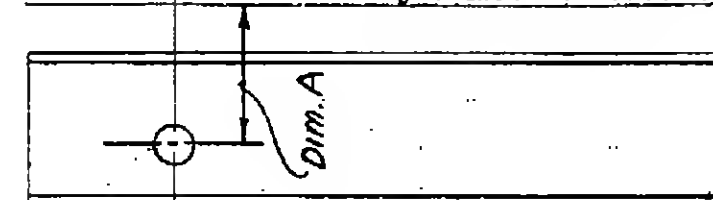
right
supp



Type 412

see framing plan for
location & size of opng.

reference floor



Type 409



5-AB2-

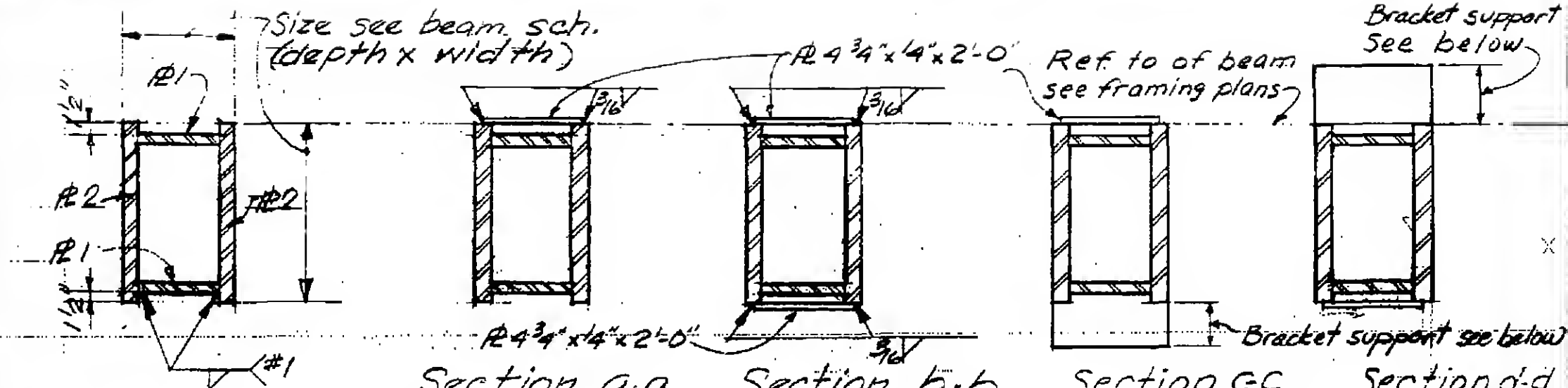
PROJECT THE WORLD TRADE CENTER

TITLE BEAM TYPE 200 thru 210, 220

DATE 5-1-67

REVISIONS

6-12-67
9-15-67
10-15-67
11-21-67



TYPE 200

Section a-a
Type 201 & 204
See type 200 for details

Section b-b
Type 202 & 205
See type 200 for details

Section c-c
Type 206, 207, 203

Section d-d
Type 208

R 2	Weld #1
to 3/4	1/4
1 3/16 to 1/2	5/16
1 9/16 to 2 1/4	3/8

R top - type 201
R top & bottom type 202

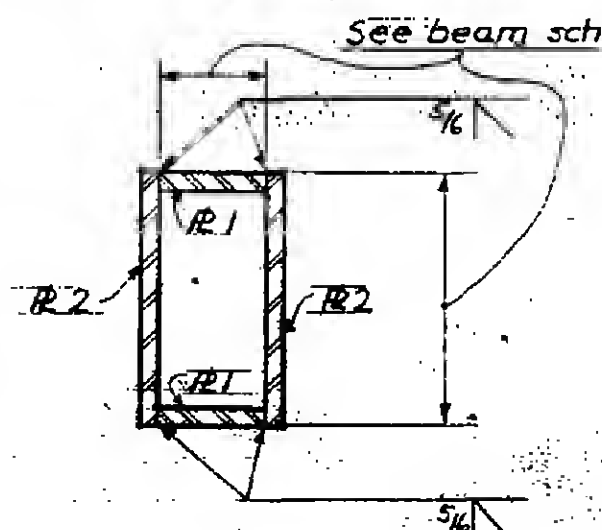


TYPE 201 & 202
72'-8 1/2" R

134'-5 1/2" R top - type 204
R top & bottom type 205



TYPE 204 & 205
134'-5 1/2" R



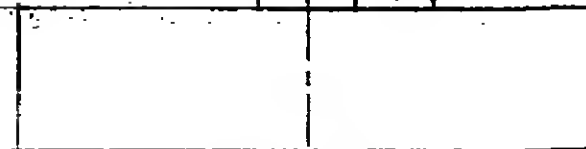
TYPE 207 & 203
72'-8 1/2" R



TYPE 206

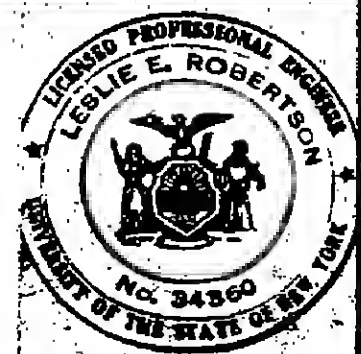
NOTE
For bracket support
Types 203, 206, 207, 208
See 5-AB2-2.1

Section e-e
Type 220

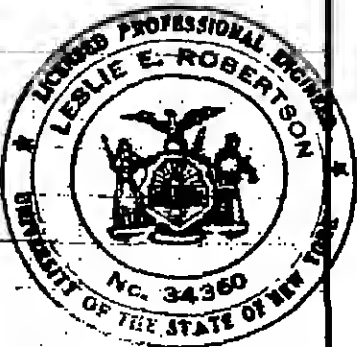
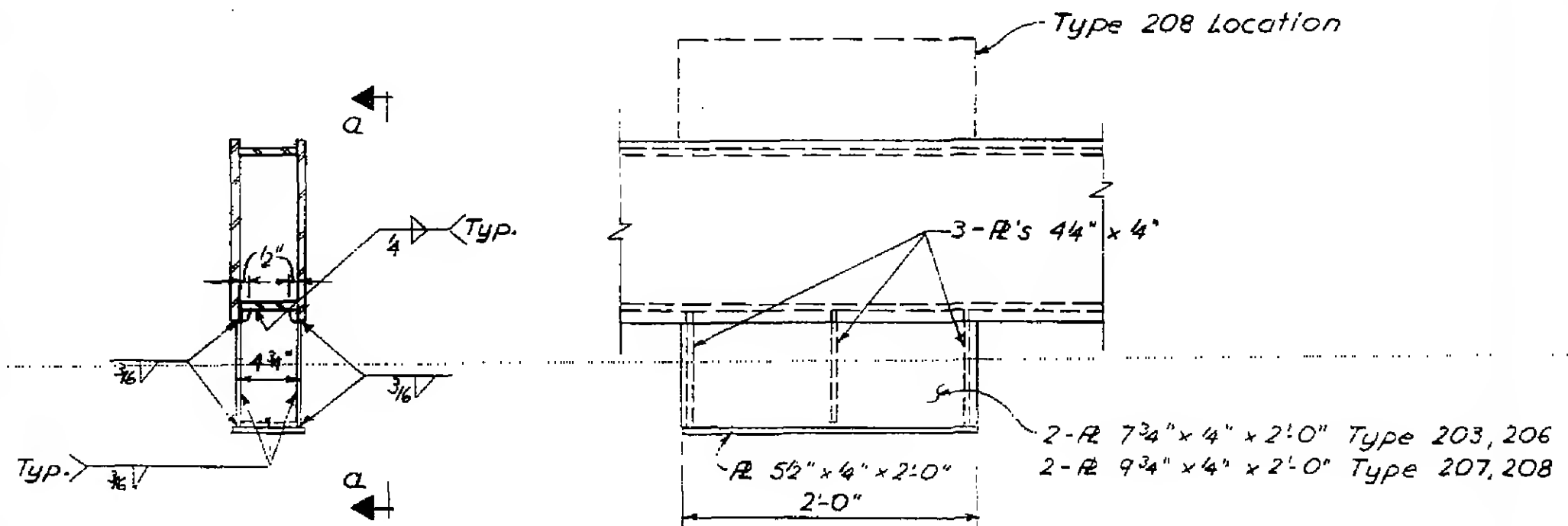


TYPE 208

5-AB2-2



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PROJECT THE WORLD TRADE CENTER

TITLE BEAM TYPE 250 - 251

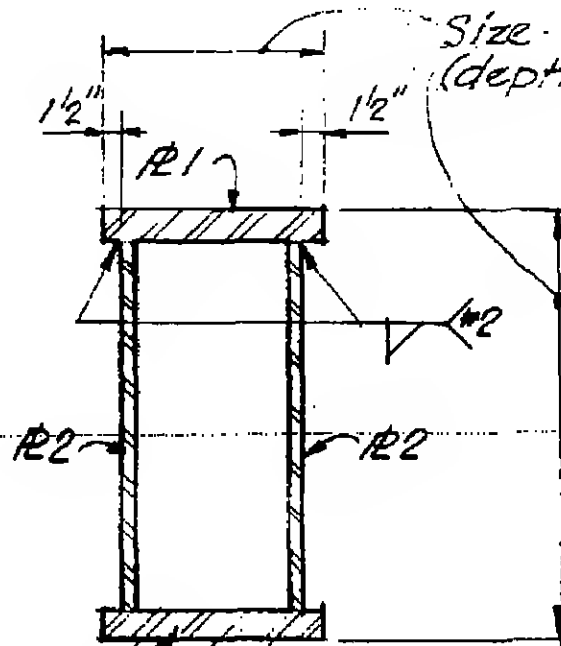
DATE 5-1-67

REVISIONS

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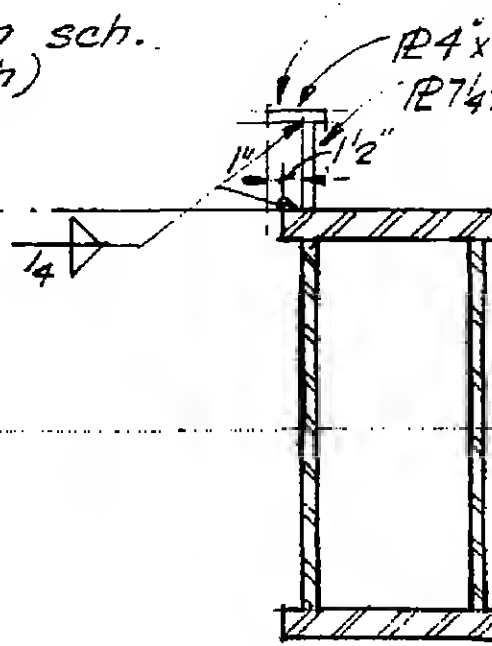
11-17-67

12-21-67



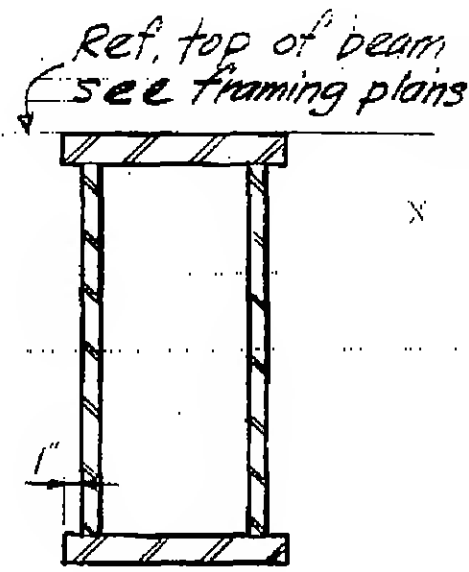
TYPE 250

R1	Weld #2
to 3/4	14
13/16 to 1 1/2	5/16
1 9/16 to 2 1/4	3/8



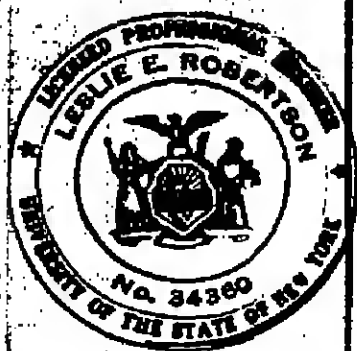
TYPE 251

See type 250 for details not shown



TYPE 252

See type 250 for details not shown.



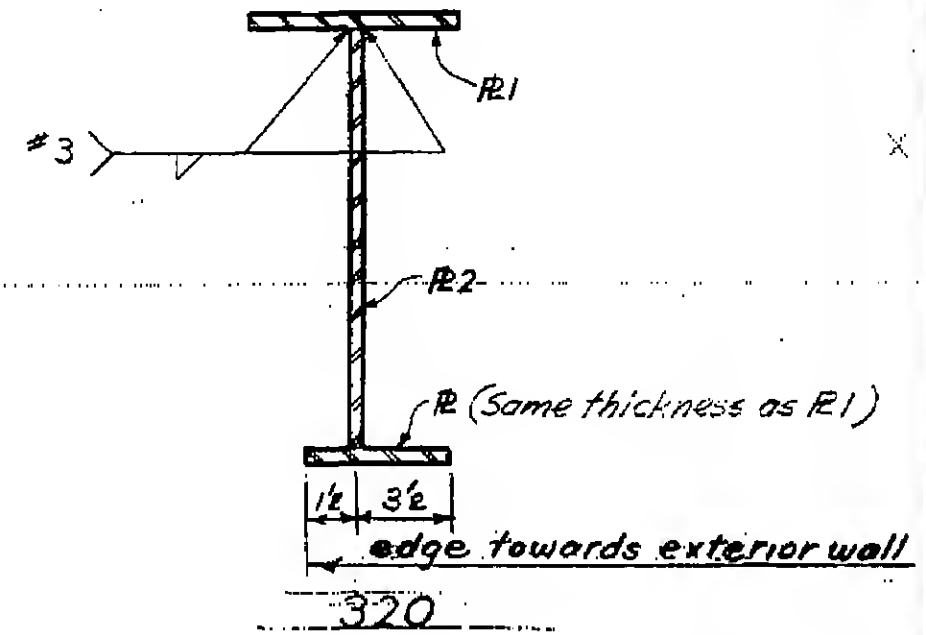
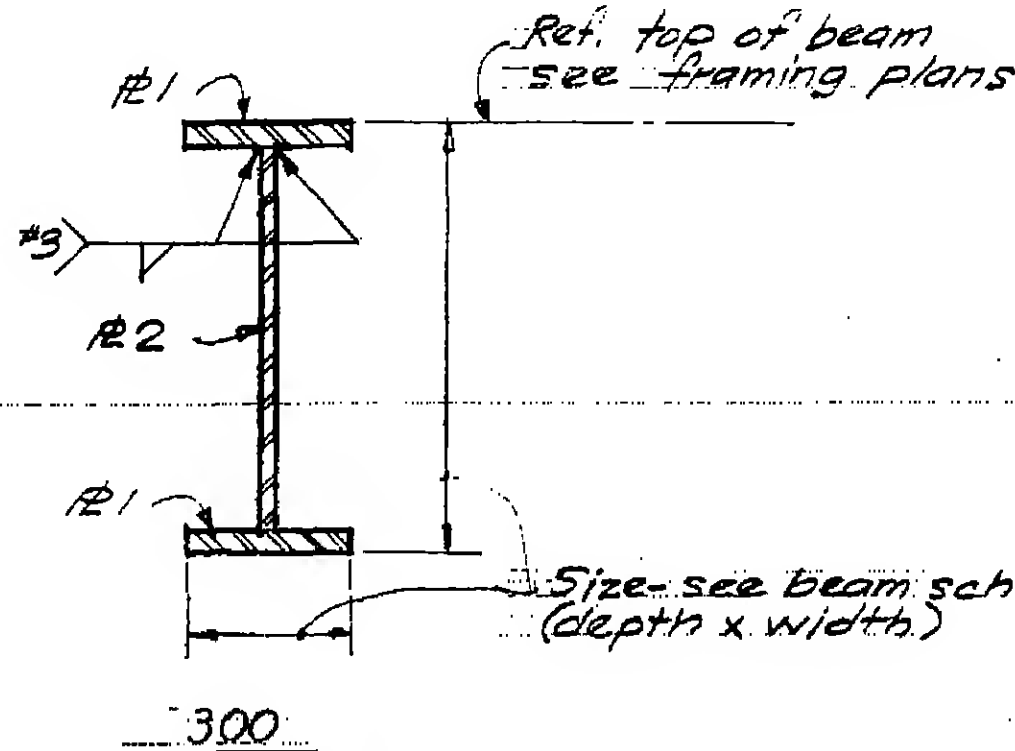
PROJECT THE WORLD TRADE CENTER

TITLE BEAM TYPE 300, 320, 321

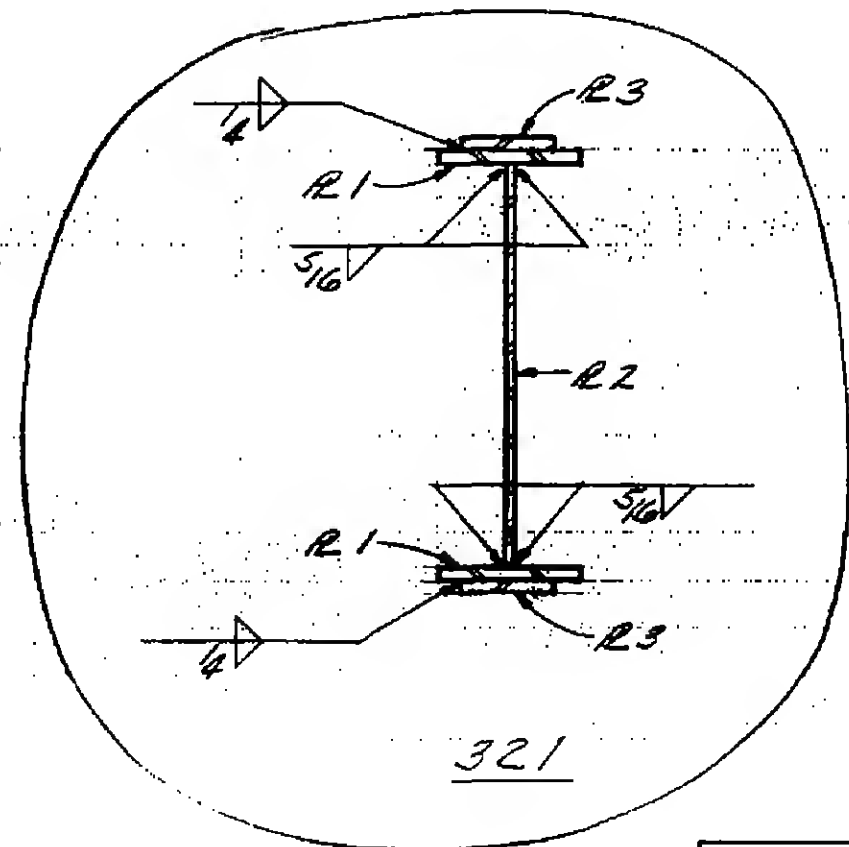
DATE 5-1-67

REVISIONS

11-10-67
11-21-67
7-17-68



R1	Weld #3
to 3/4	14
1 3/16 to 1/2	5/16
1 9/16 to 2 1/4	3/8



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TITLE

BEAM TYPE 301

DATE 5-1-67

REVISIONS

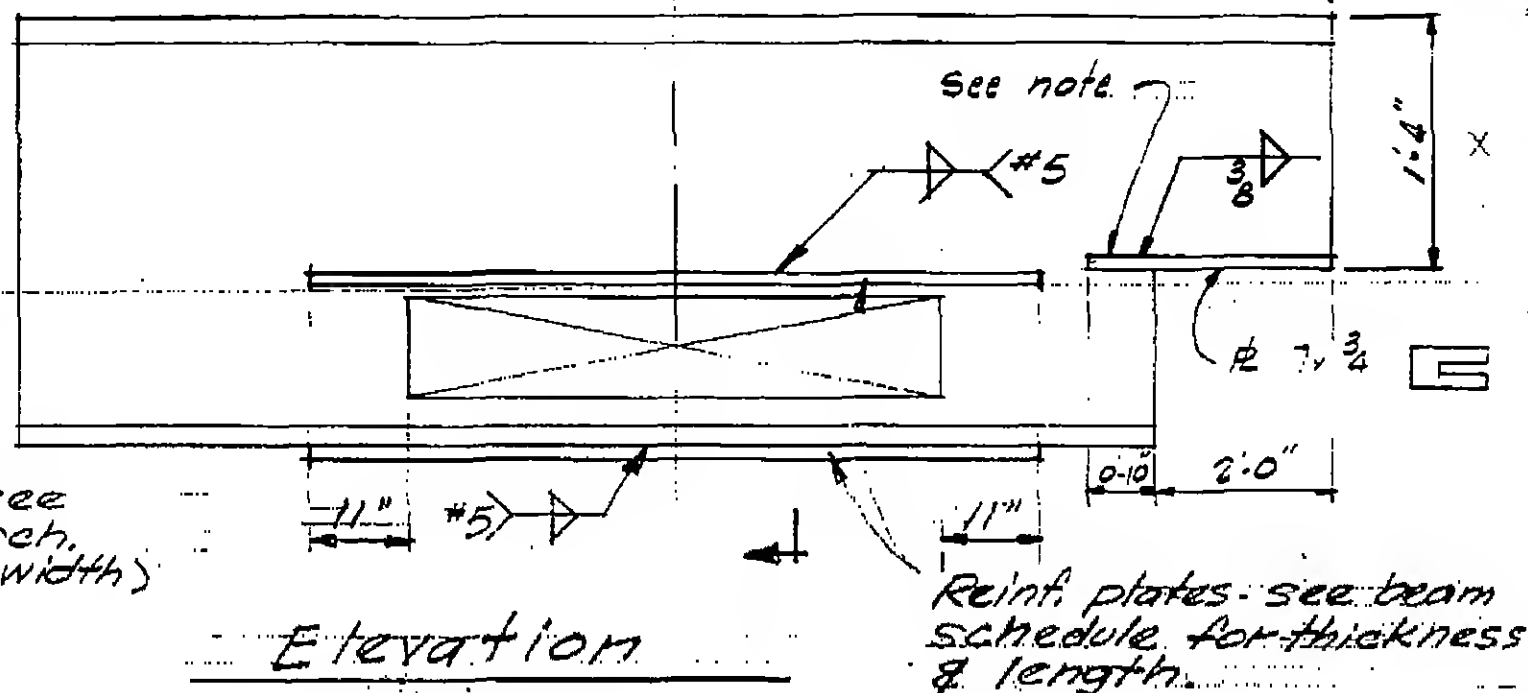
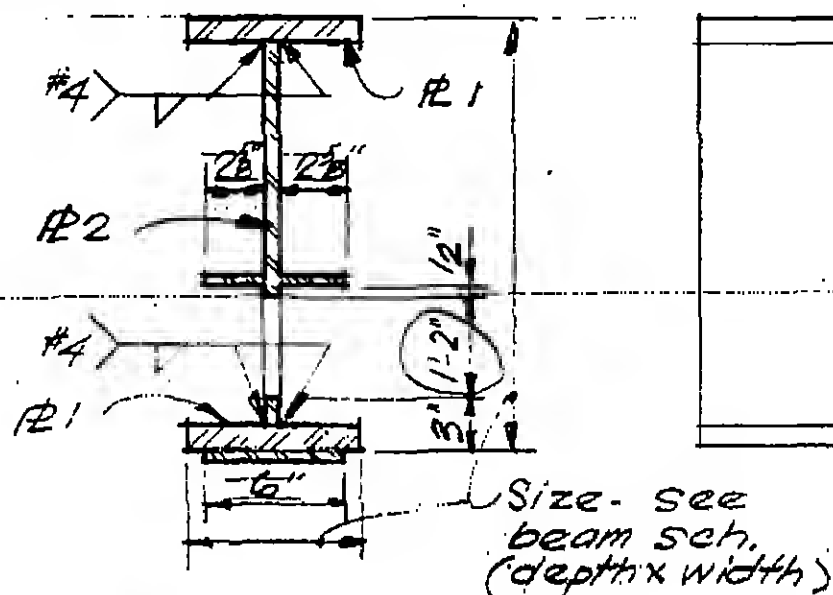
8-3-67

11-15-67

Ref. top of beam
see framing plans

± of opng. see framing plans

Left or right end



Reinf. #	Weld #4
to 3/4	1/4
13/16 to 1/2	5/16
19/16 to 24	3/8

Reinf. #	Weld #5
to 3/4	1/4
13/16 to 1/2	5/16

Note: Notch beam as shown for end support
scheduled detail 220 (5-AB1-27)

5-AB2-7



PROJECT THE WORLD TRADE CENTER

TITLE BEAM TYPE 305, 306, 307

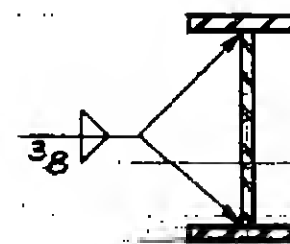
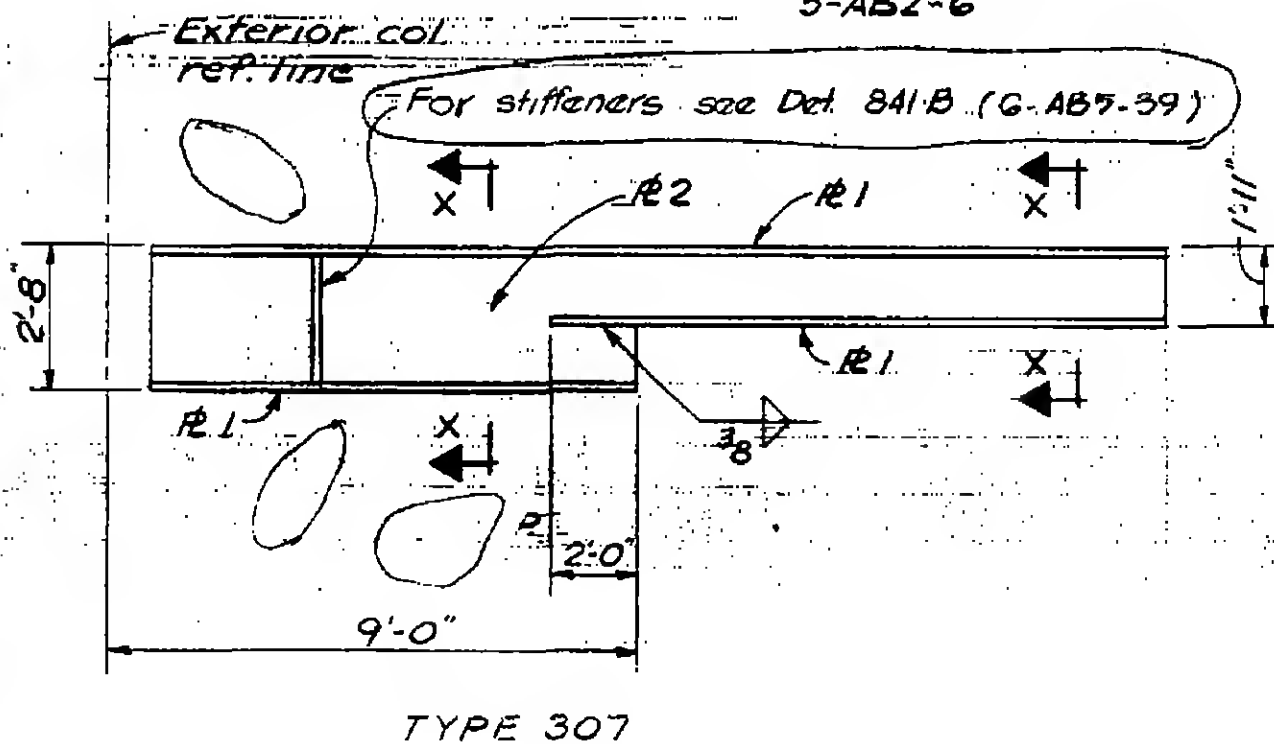
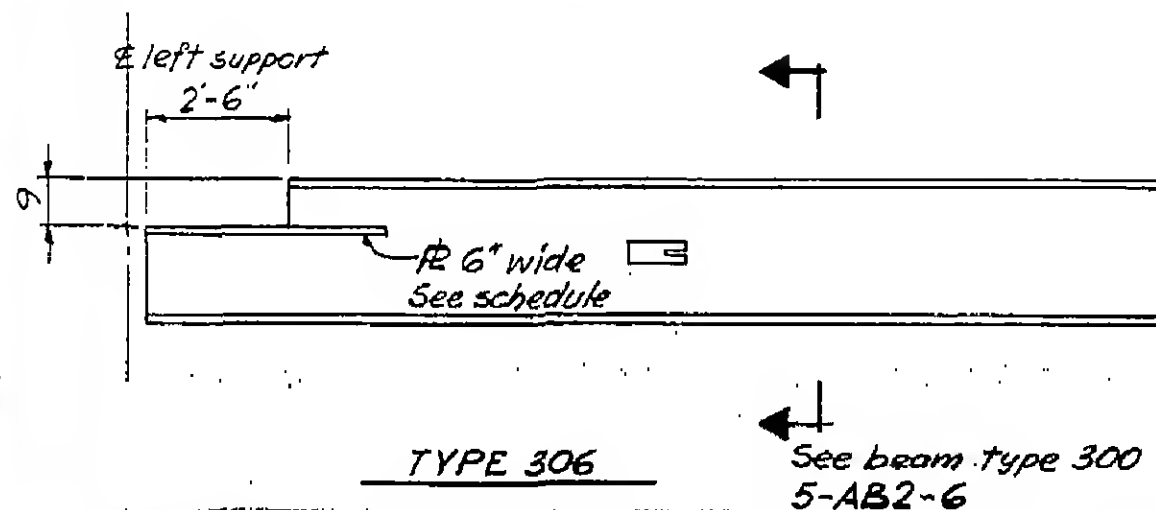
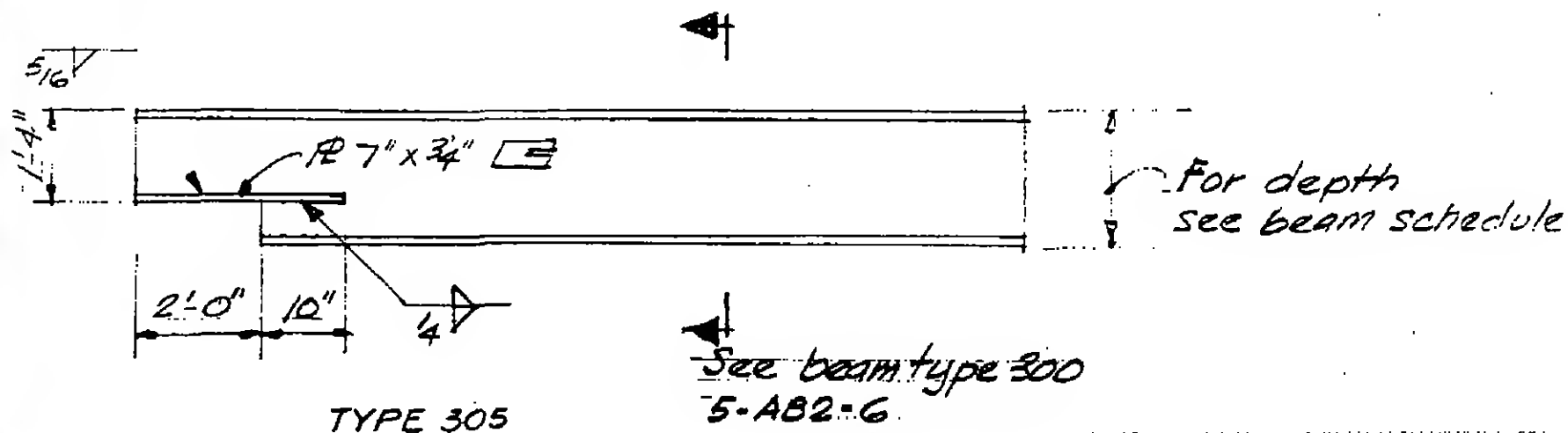
DATE 5-1-67

REVISIONS

6-30-67

7-14-67

10-31-67



Section X-X

WORTHINGTON, SKILLING, HELLE & JACKSON

Civil & Structural Engineers

PROJECT THE WORLD TRADE CENTER

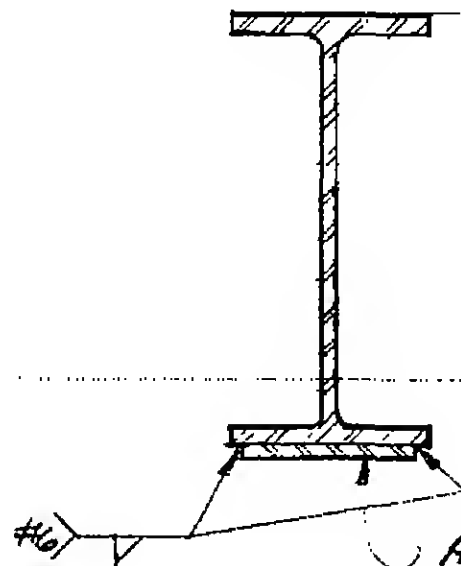
TITLE BEAM TYPE 400, 401

DATE 5-1-67

REVISIONS

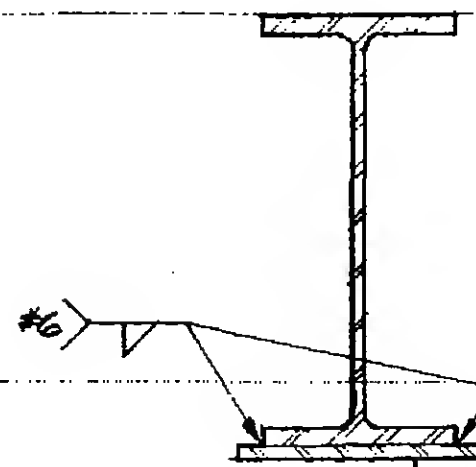
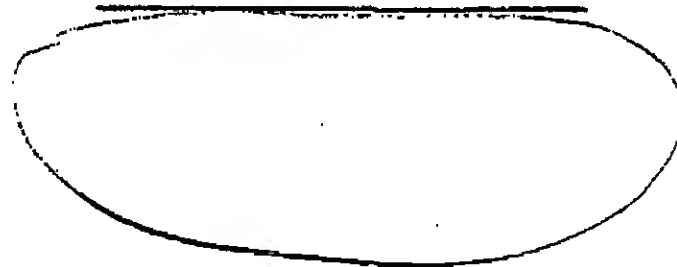
6-5-67
9-15-67
9-29-67
11-21-67

Ref. top of beam
see framing plans



R#1
see beam sch.

TYPE 400



R#1
see beam sch.

TYPE 401

R#1	Weld #6
to 1/2	1/4
9/16 to 1	5/16
1 1/16 to 1 1/2	3/8
1 9/16 to 2 1/4	7/16

left end



cover R# length
see beam schedule

Dimension A - if not
given, R#1 is centered
on beam.

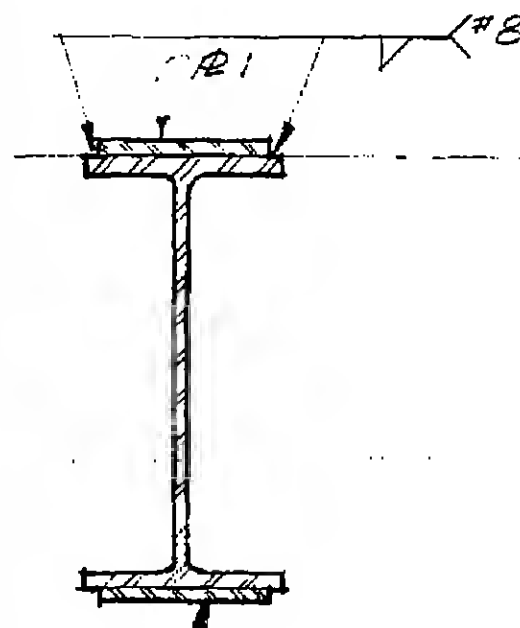
Note: For beams framing into
the exterior wall see
5-AB2-21 for beam
elevation.



5-AB2-10

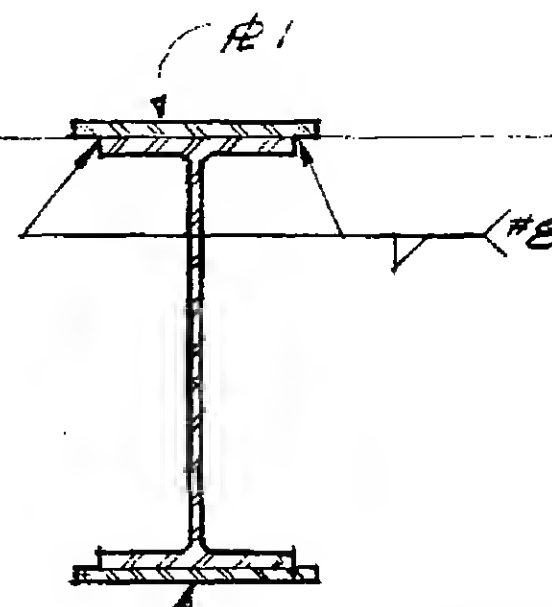
REVISIONS

9-29-67
11-21-67



#1 see beam sch.

TYPE 402



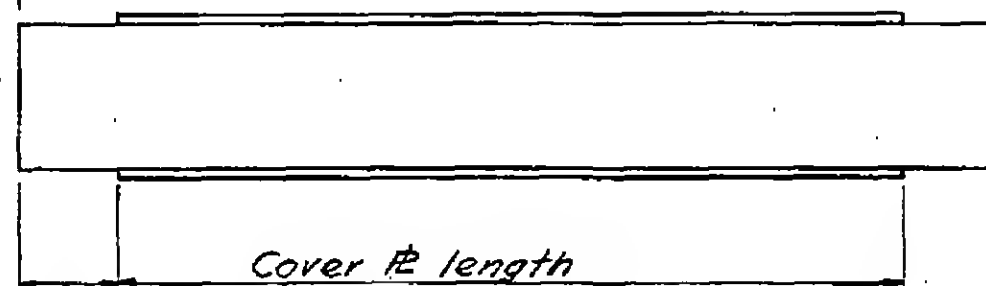
#1 see beam sch.

TYPE 405

Ref. top of beam
(see framing plans)

#1	Weld #8
to 1/2	14
9/16 to 1	5/16
1 1/16 to 1 1/2	3/8
1 9/16 to 2 1/4	7/16

Left end



Dimension A
If not given
#1 is centered
on beam

Note: For beams framing into exterior wall See 5-AB2-21 for beam elevation.



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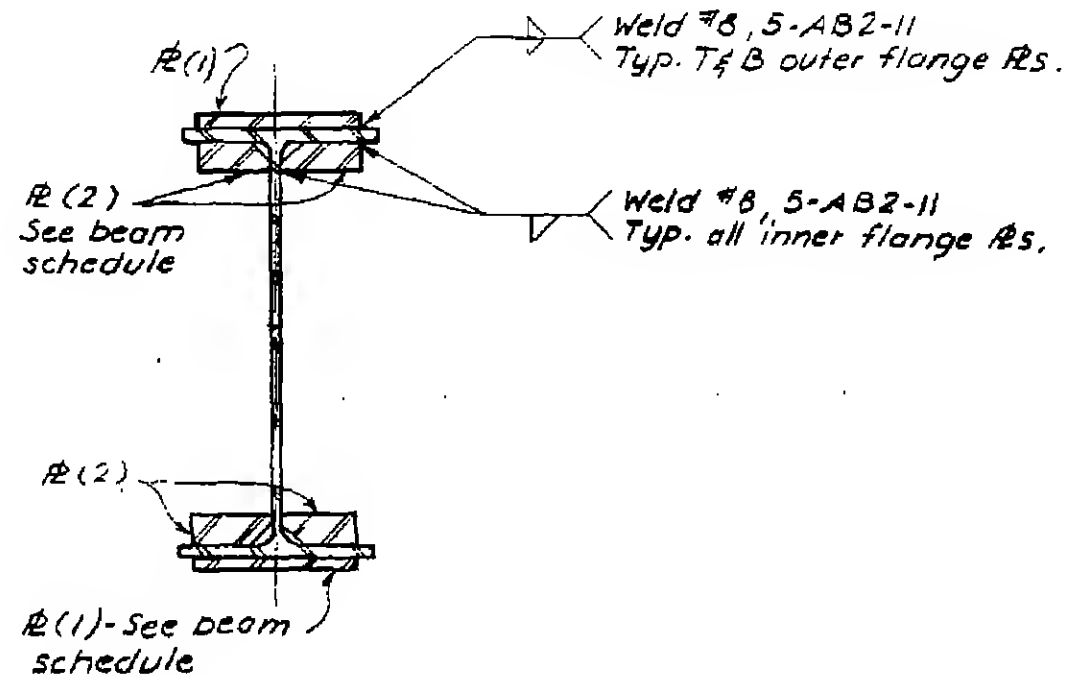
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PROJECT *THE WORLD TRADE CENTER*

TITLE *BEAM TYPE 402A*

DATE *1-10-69*

REVISIONS



TYPE 402A



DESIGNED

DRAWN

REVIEWED

5 100 111

PROJECT

THE WORLD TRADE CENTER

TITLE

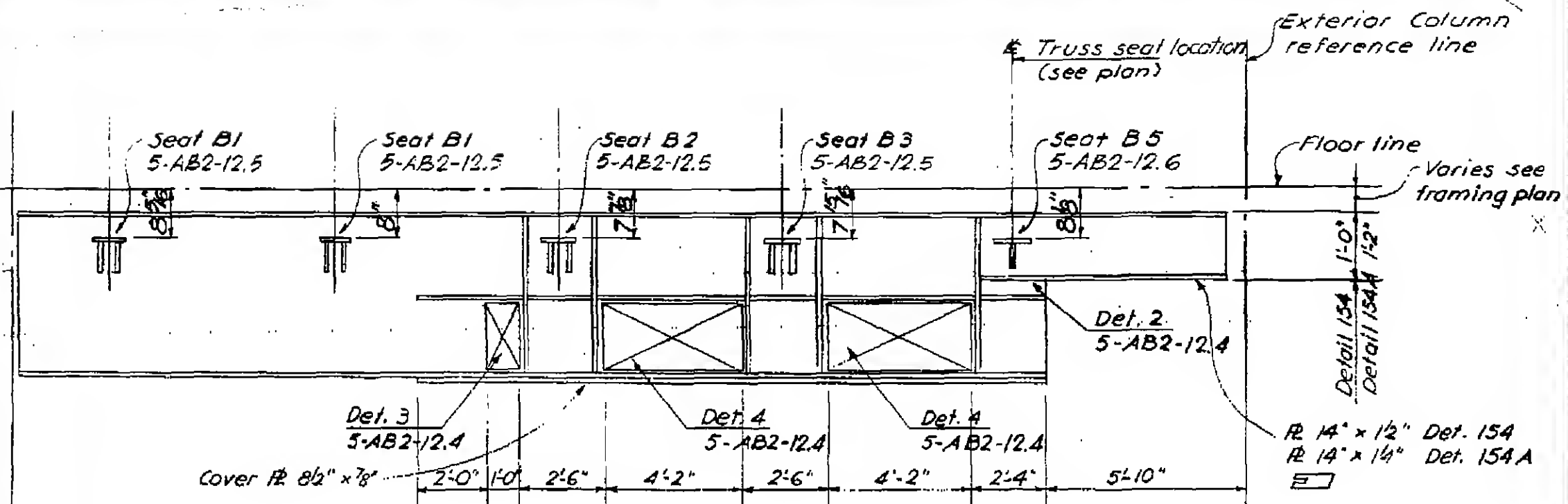
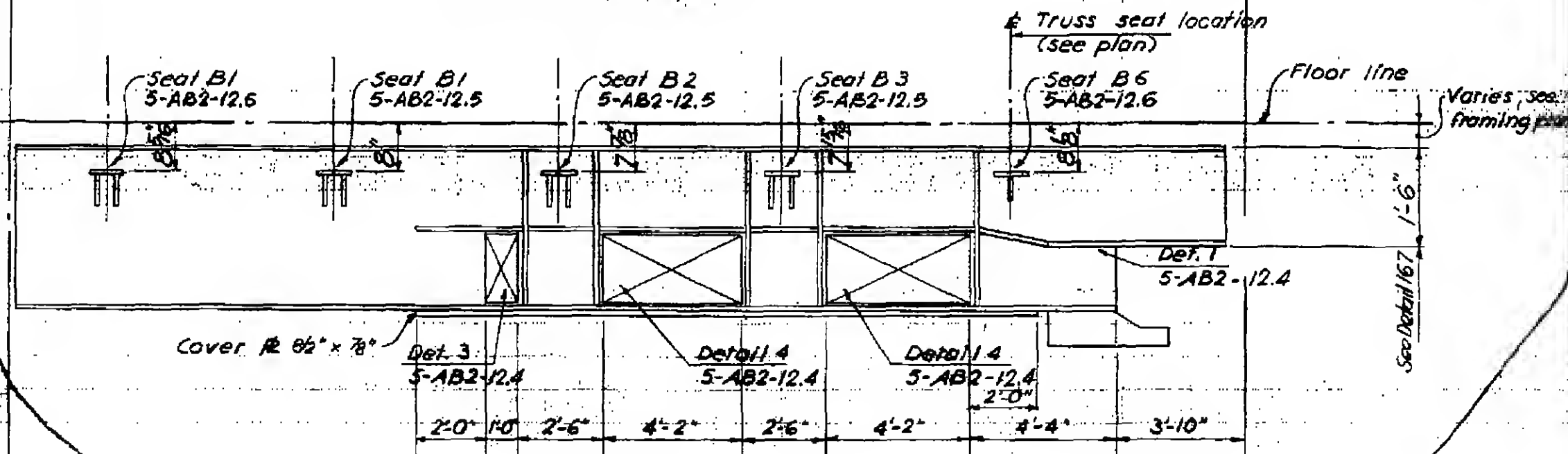
BEAM TYPE 403 & 444

DATE

6-5-67

REVISIONS

11-21-67

Beam Type 403Beam Type 444

5-AB2-12



SKILLING - HELLE - CHRISTIANSEN - ROBERTSON

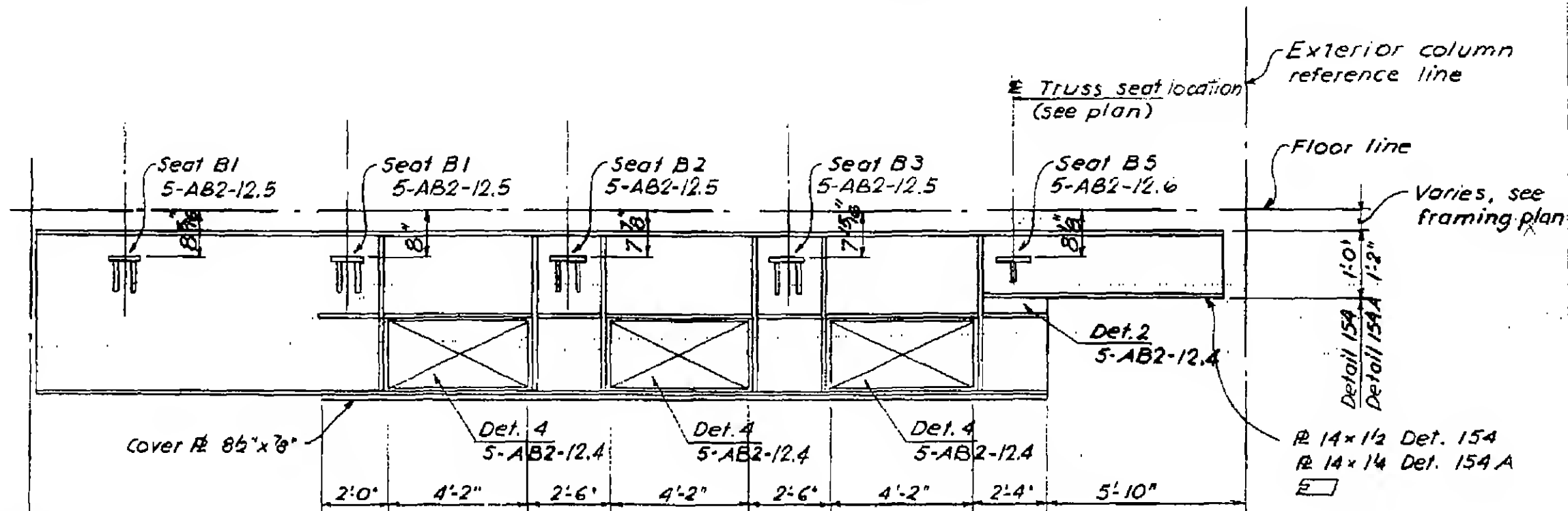
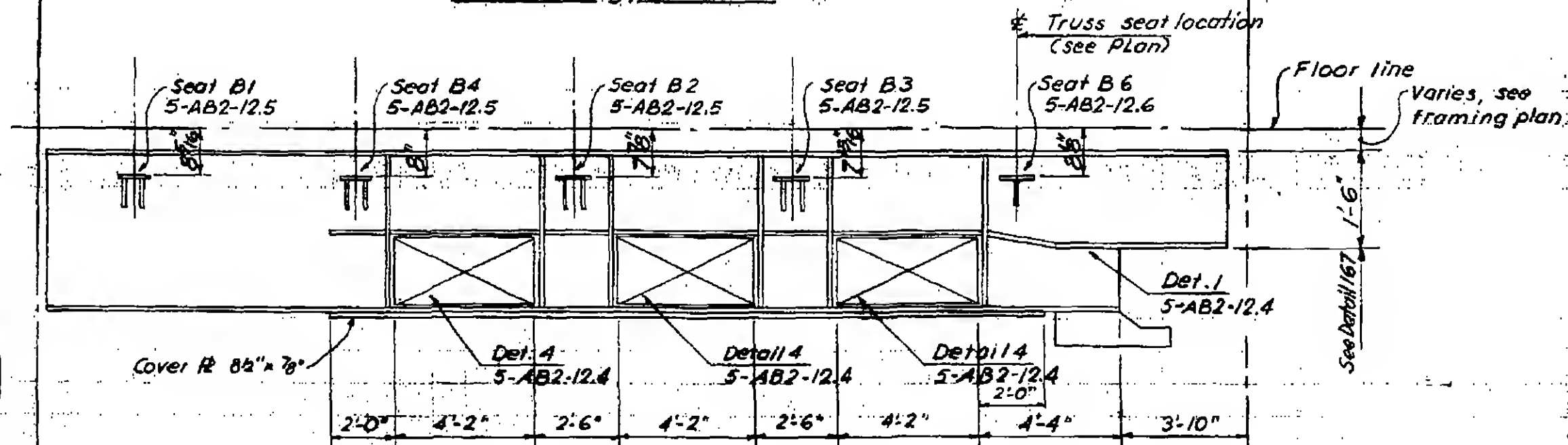
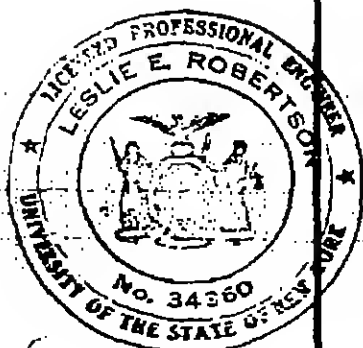
Structural & Civil Engineers

PROJECT THE WORLD TRADE CENTER TITLE BEAM TYPE 441 & 457

DATE 11-21-67

REVISIONS

12-21-67

Beam Type 441Beam Type 457

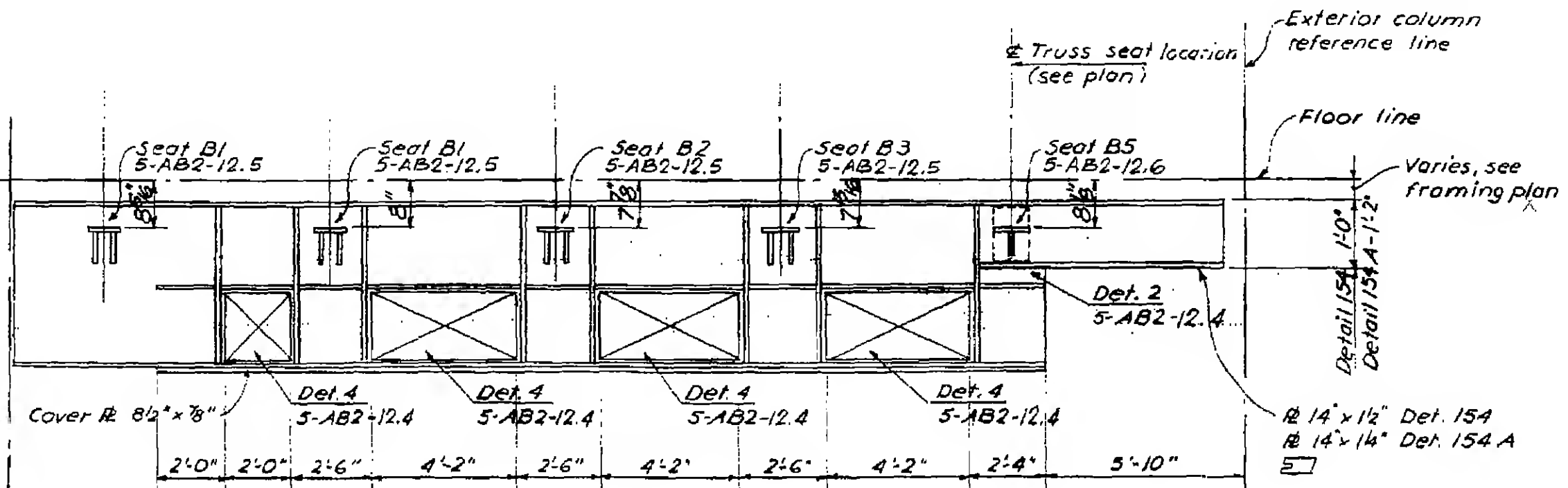
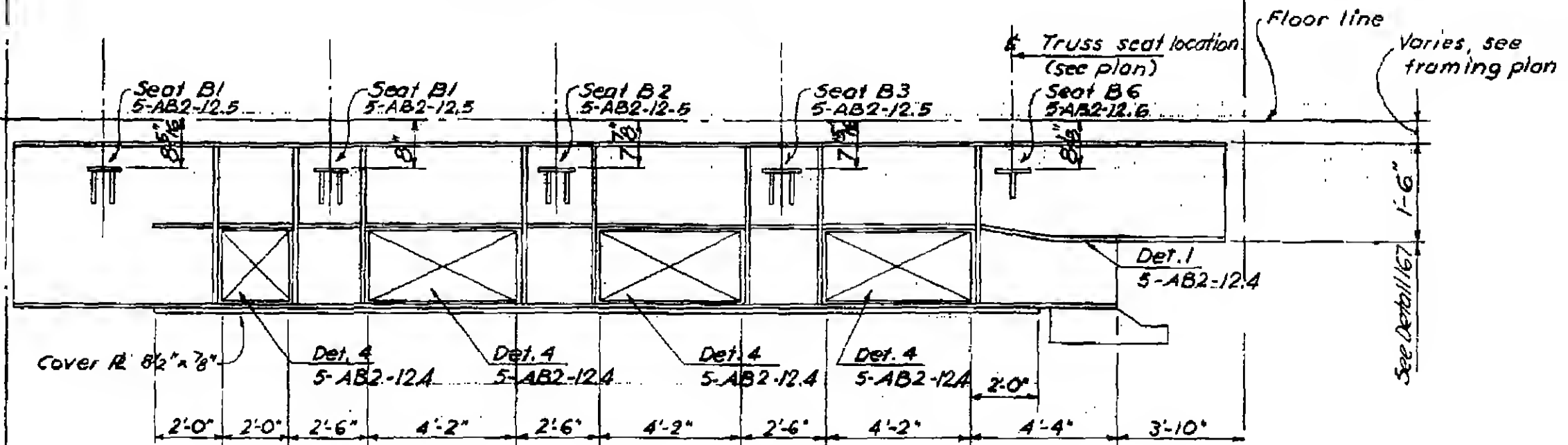
5-AB2-12.1

PROJECT THE WORLD TRADE CENTER

TITLE BEAM TYPE 442 & 448

DATE 11-21-67

REVISIONS

Beam Type 442Beam Type 448

PROJECT

THE WORLD TRADE CENTER

TITLE

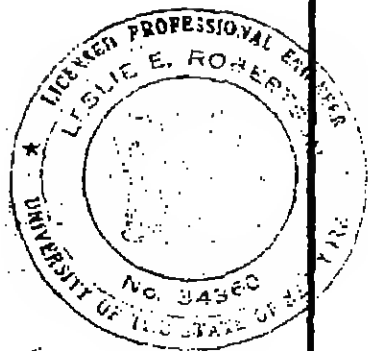
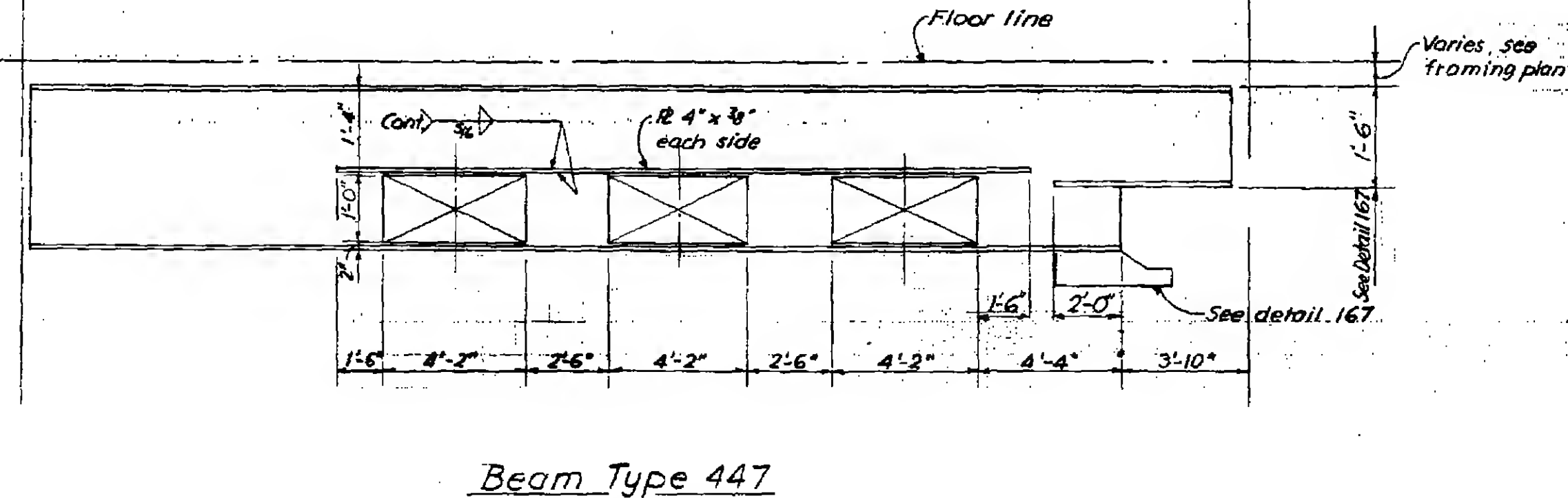
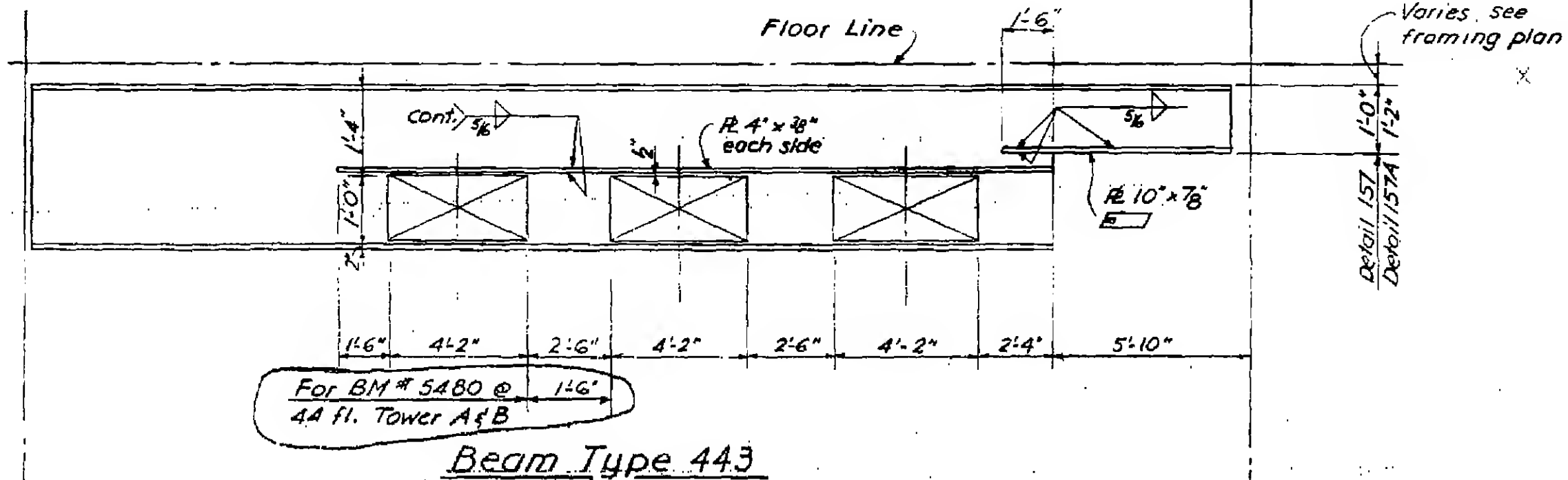
BEAM TYPE 443 & 447

DATE

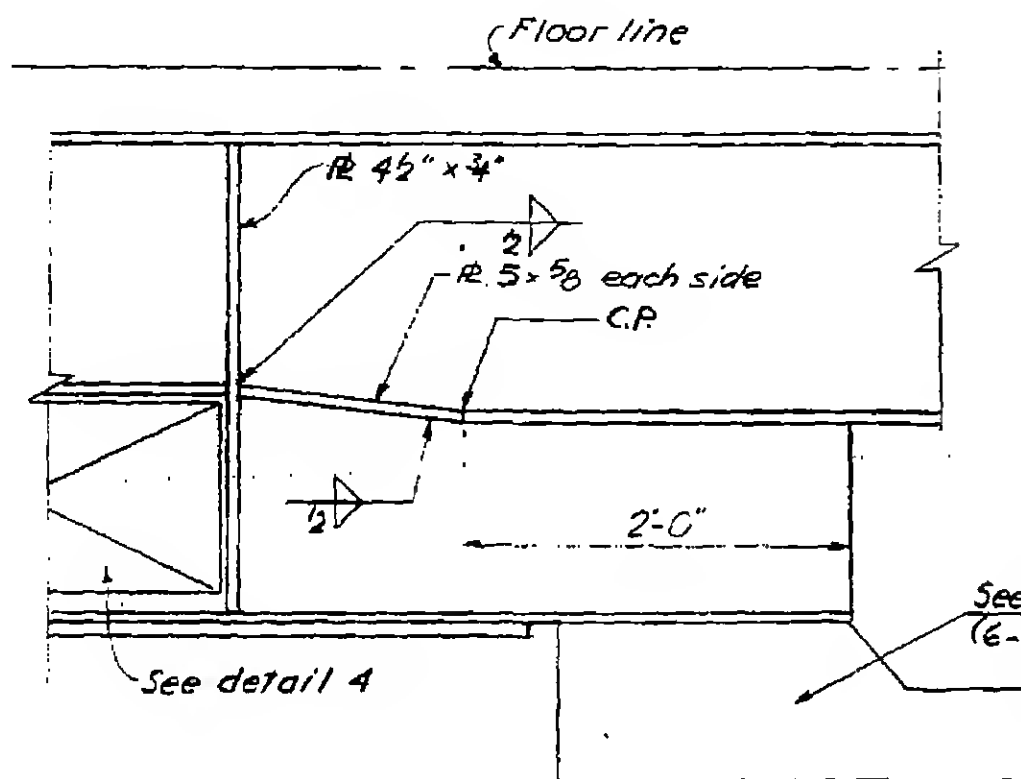
11-21-67

REVISIONS

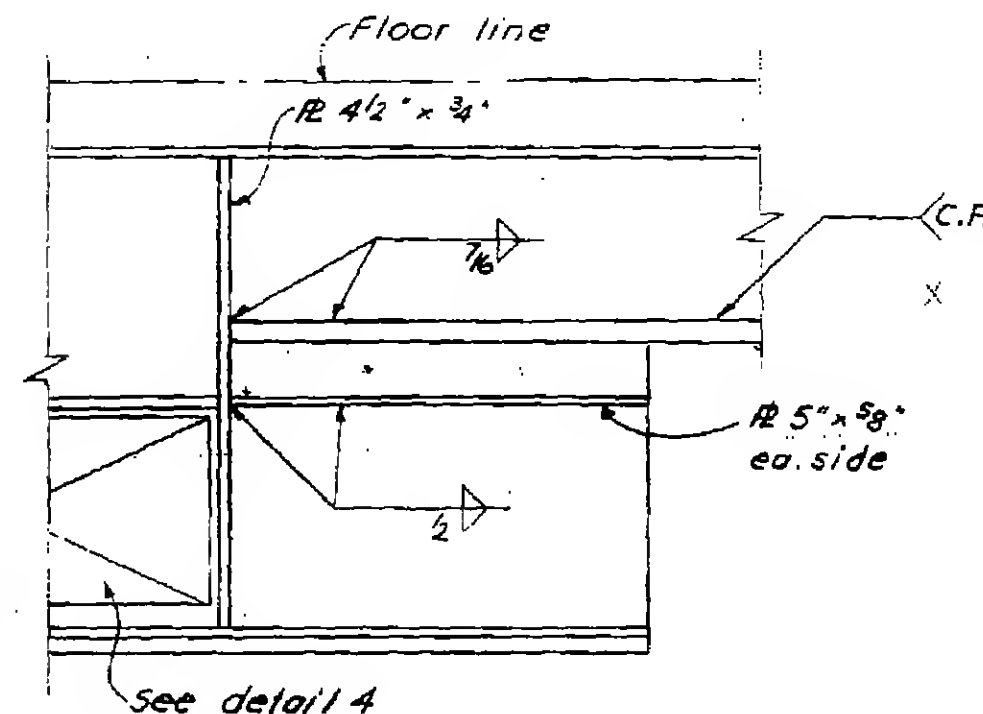
11-22-68

Exterior column
reference lineVaries, see
framing plan

REVISIONS

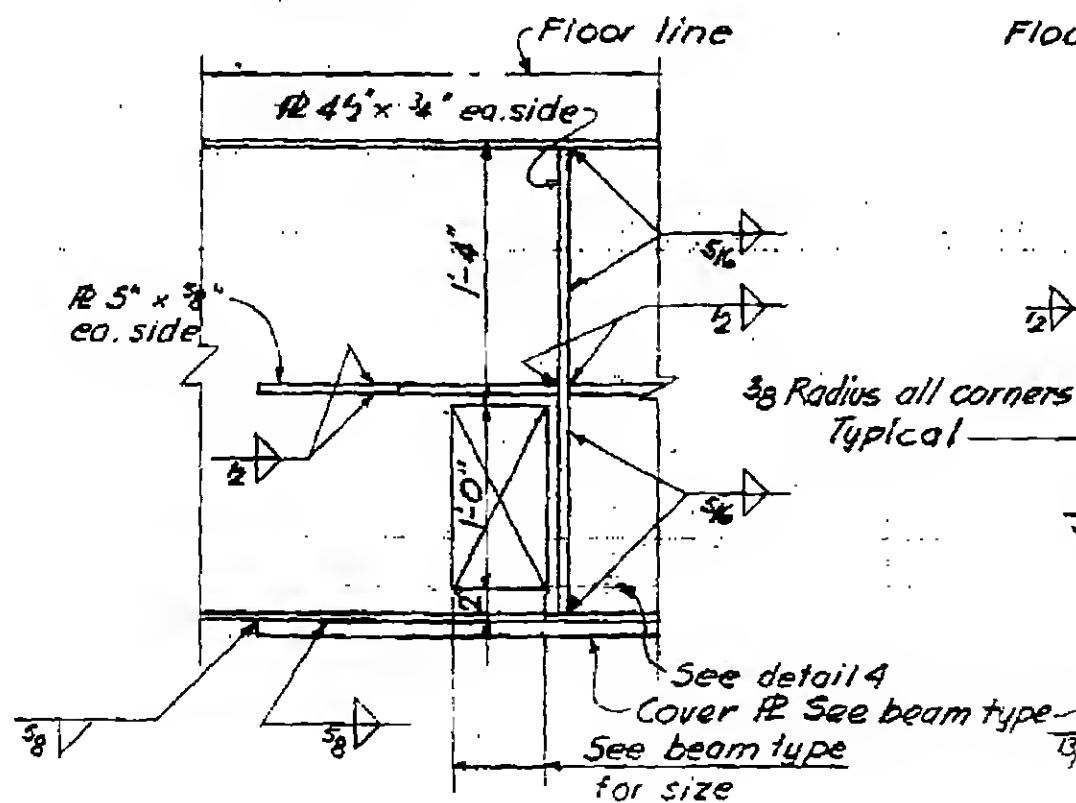


See detail 167
(6-AB2-61)

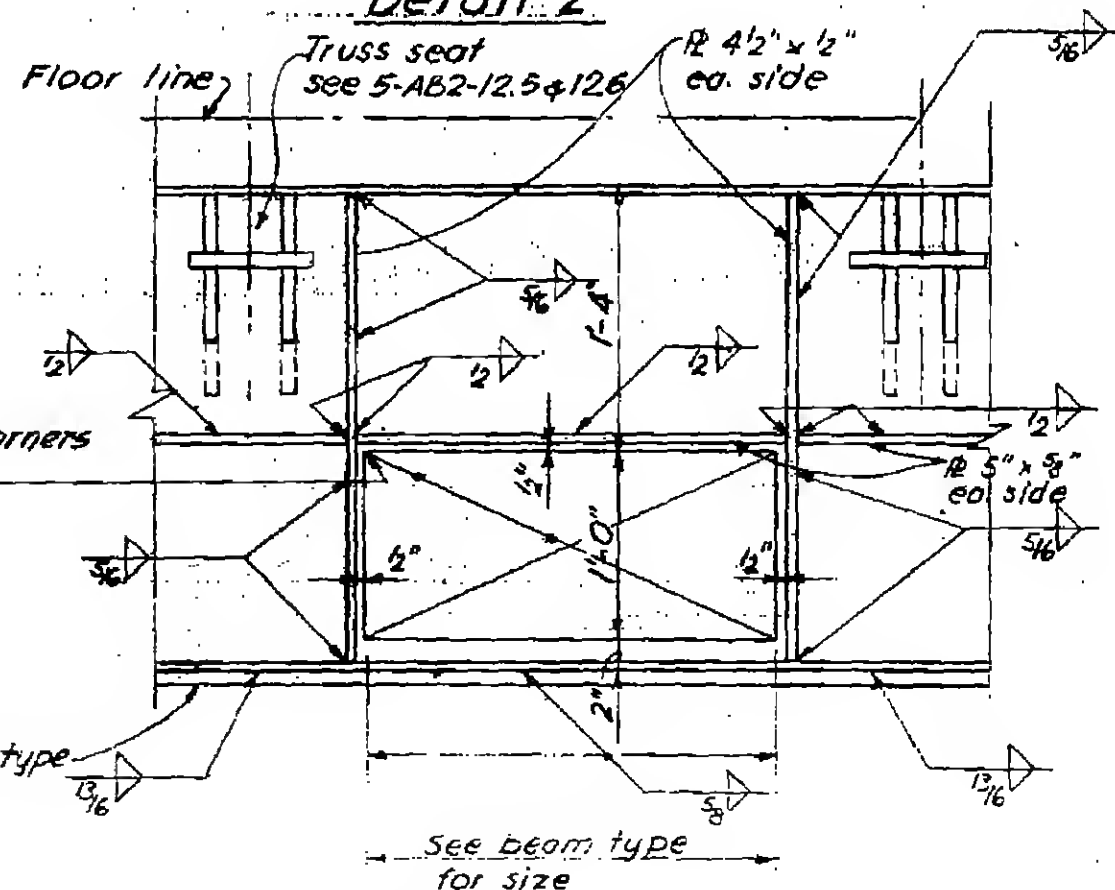


Detail 1

Detail 2

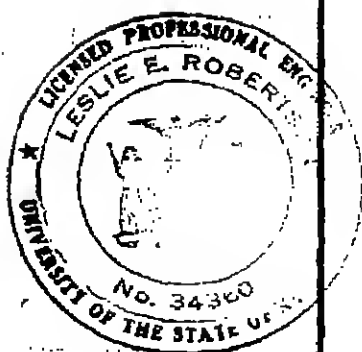


Detail 3

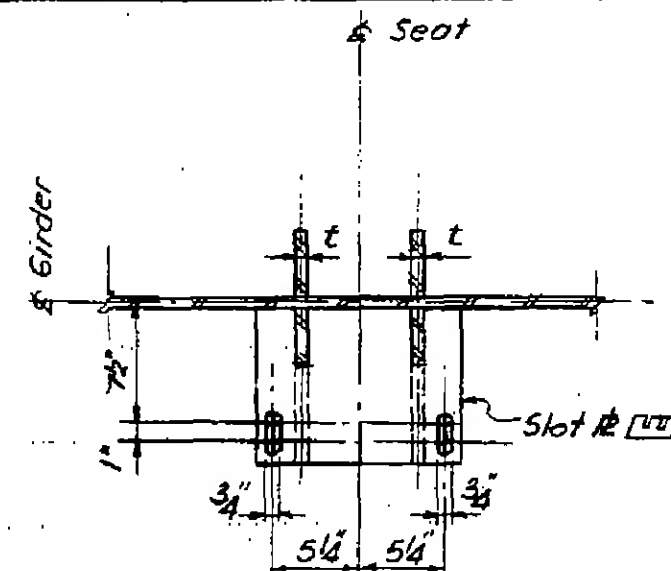
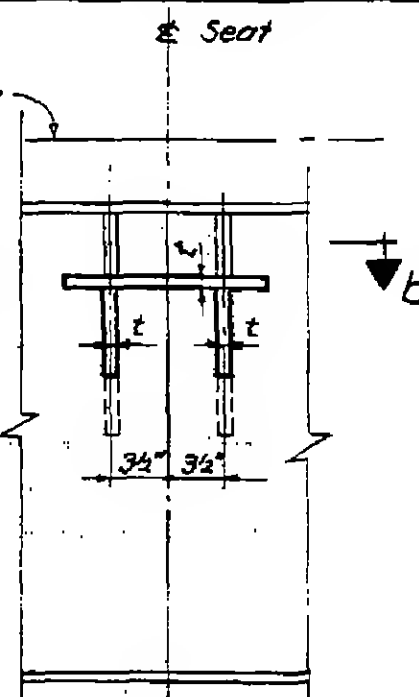
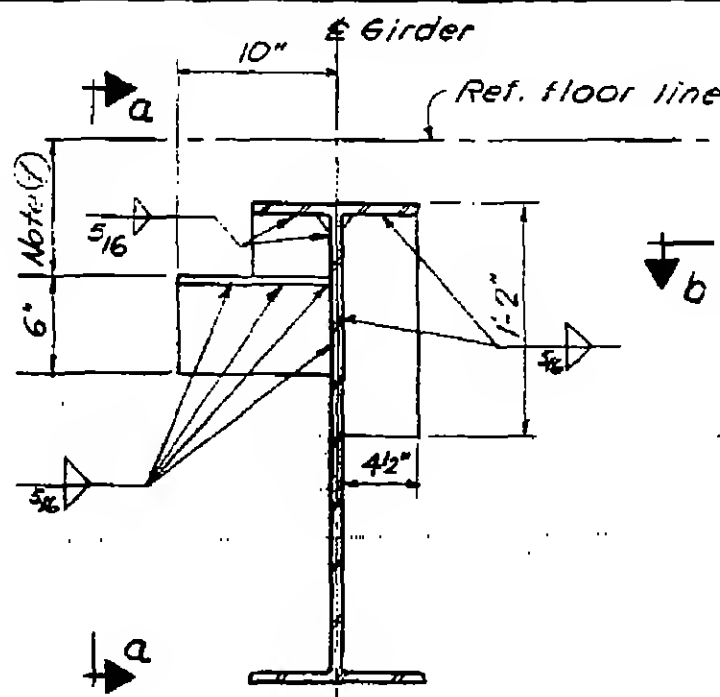


Detail 4

5-AB2-19A



REVISIONS



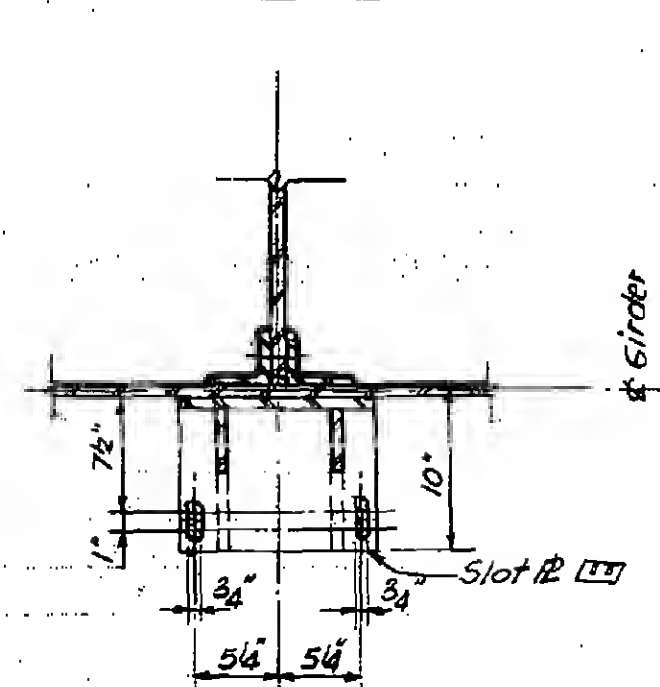
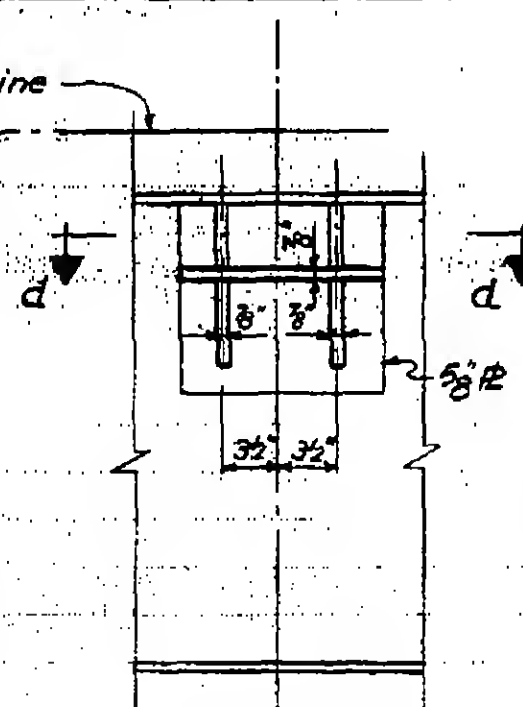
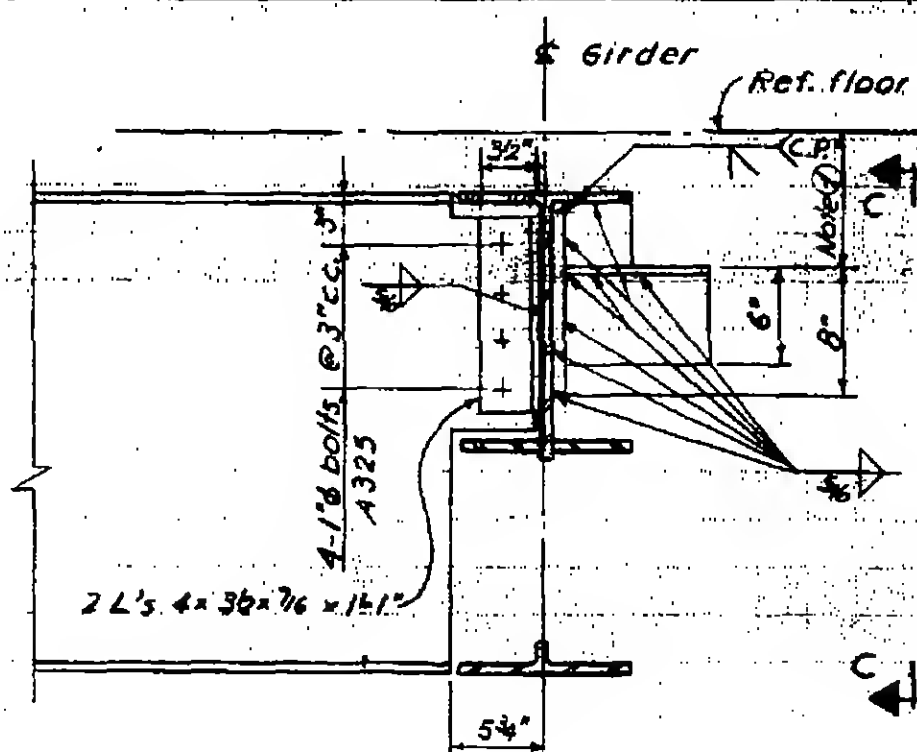
SCHEDULE		
		t
B1		7/8
B2		3/4
B3		5/8

Note ① See Beam Elevation 5-AB2-12, 12.1, 12.2, 12.3

Section a-a

Section b-b

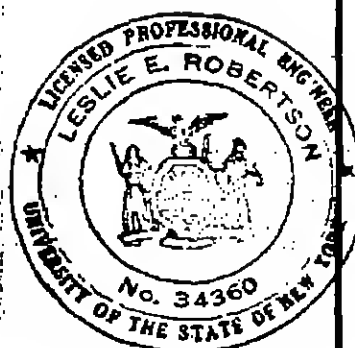
Seat Details B1, B2, B3



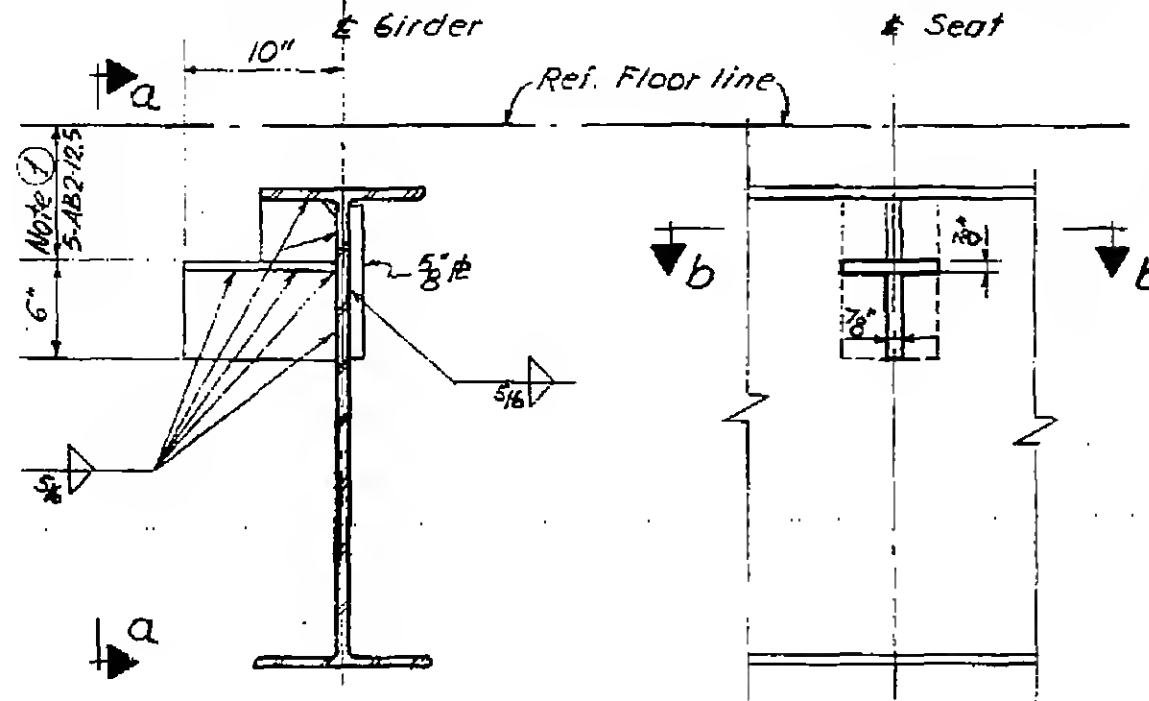
Section c-c

Section d-d

Seat Detail B4

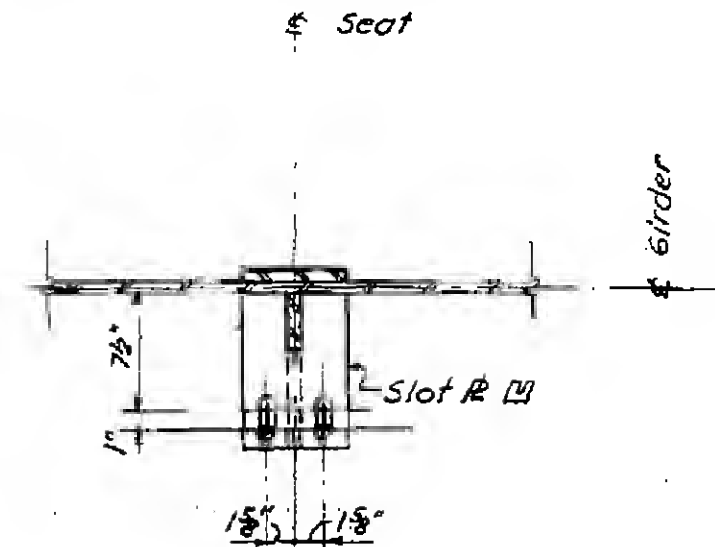


REVISIONS

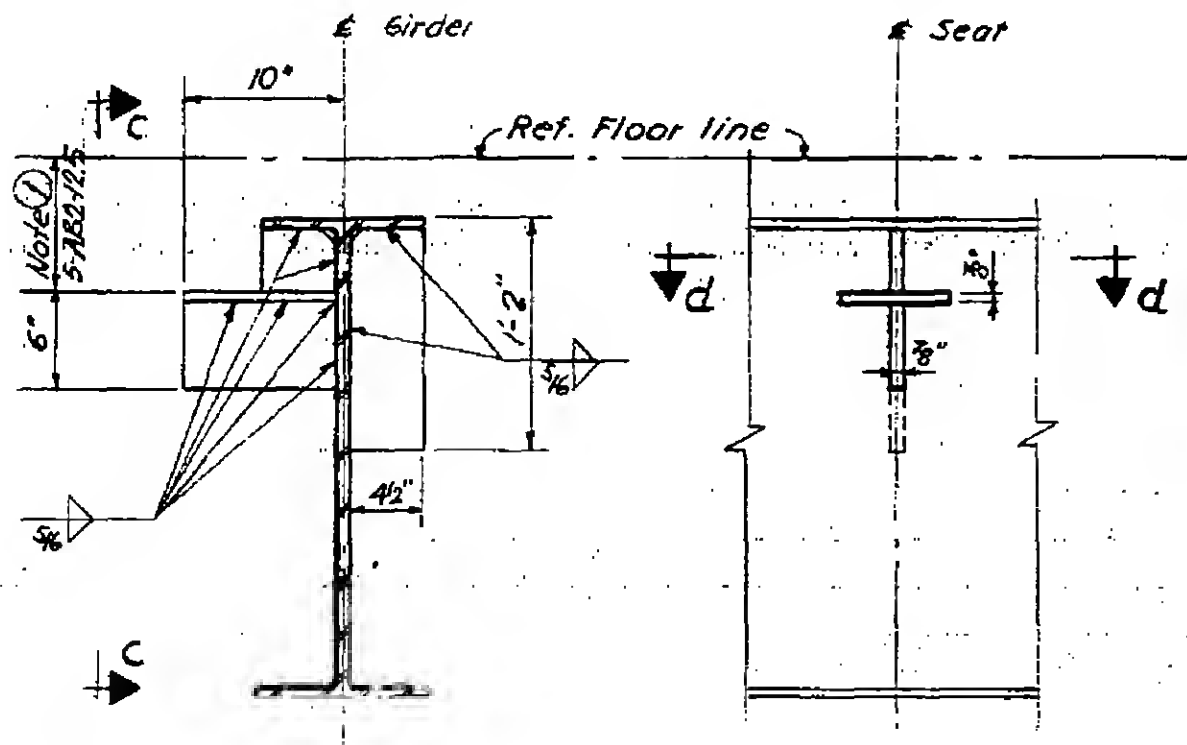


Section a-a

Seat Detail B5

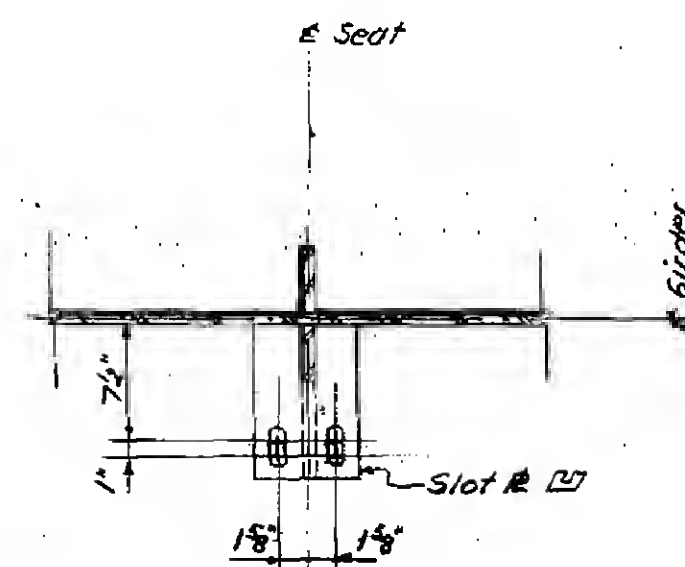


Section b-b



Section c-c

Seat Detail B6



Section d-d

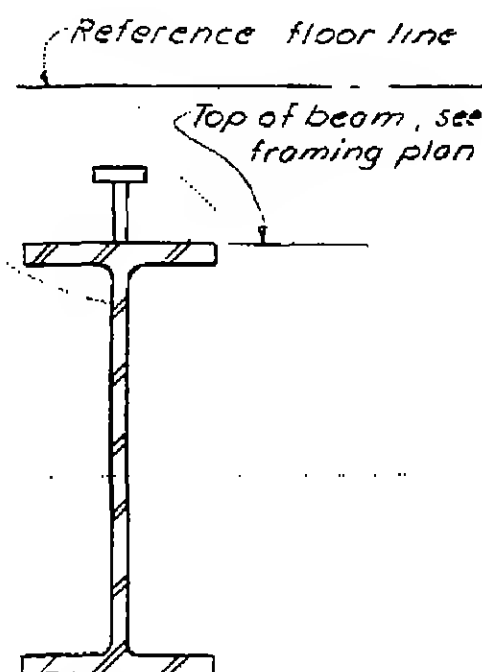


REVISIONS

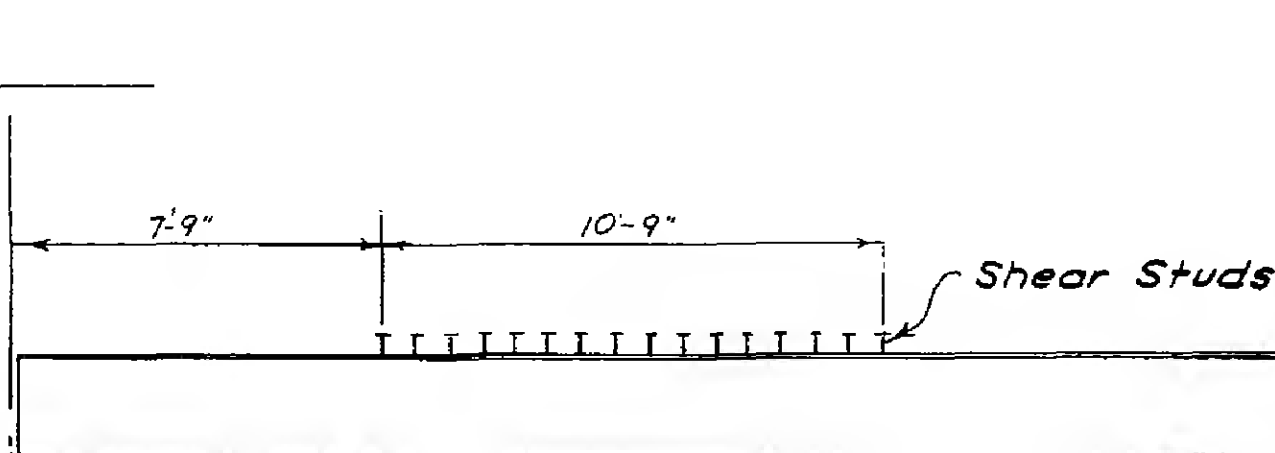
8-8-67

11-9-67

12-21-67

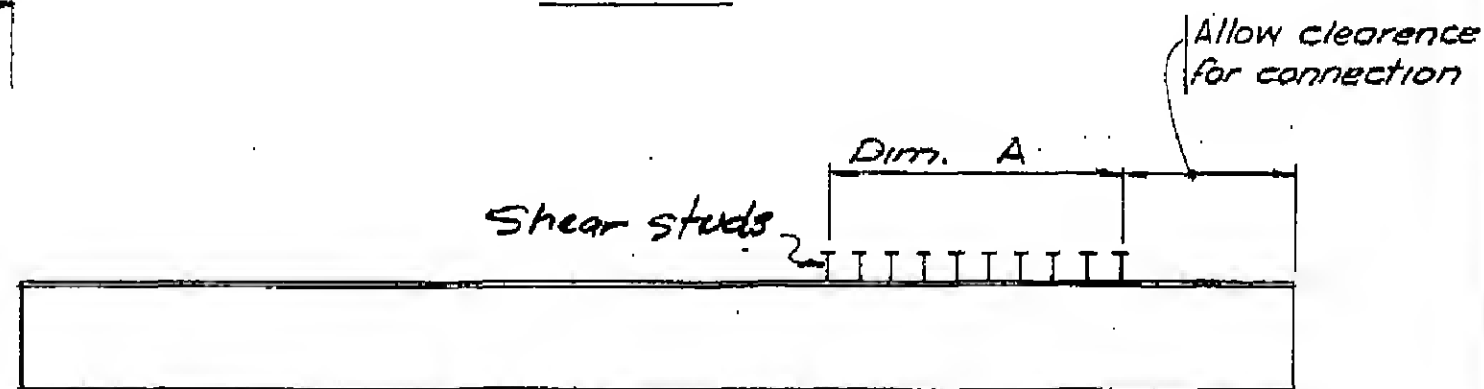


E of columns
702 & 707
or
802 & 806



ELEVATION - LOCATION
OF SHEAR STUDS

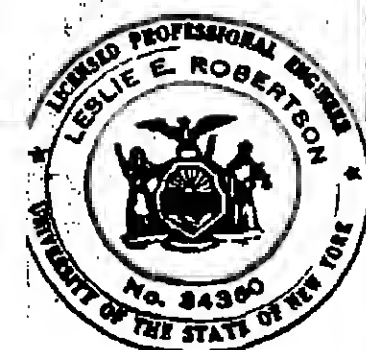
404



See 5-AB1 For Dim. A

Right end

425



PROJECT THE WORLD TRADE CENTER

TITLE

BEAM TYPE 500 & 507

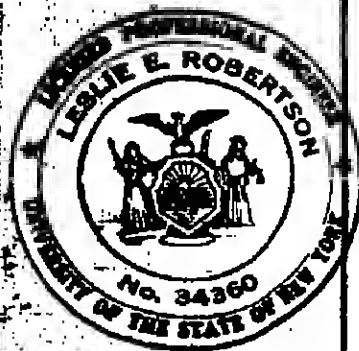
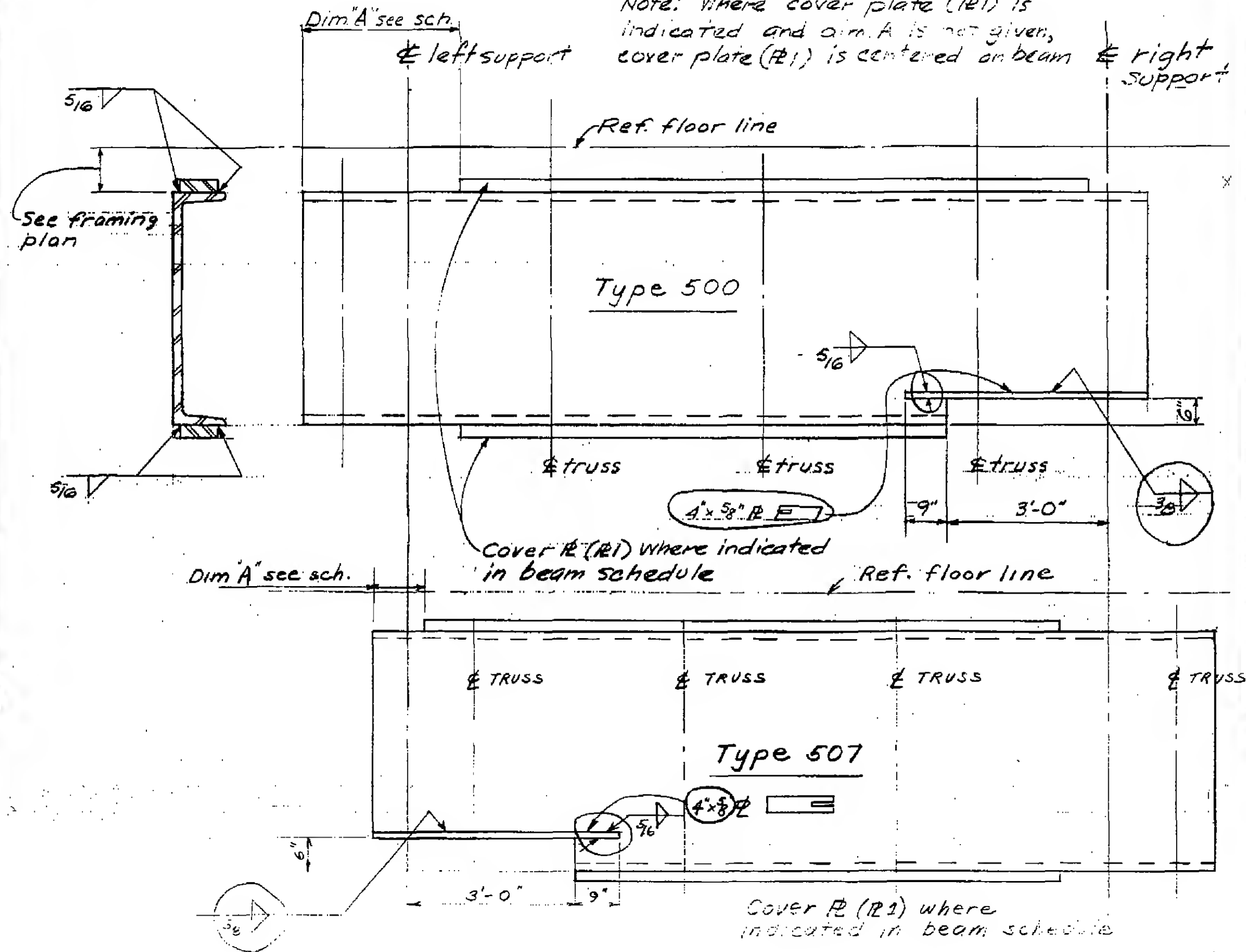
DATE 6-5-67

REVISIONS

9-15-67

11-10-67

Note: Where cover plate (R1) is indicated and dim. A is not given, cover plate (R1) is centered on beam & right support



PROJECT THE WORLD TRADE CENTER

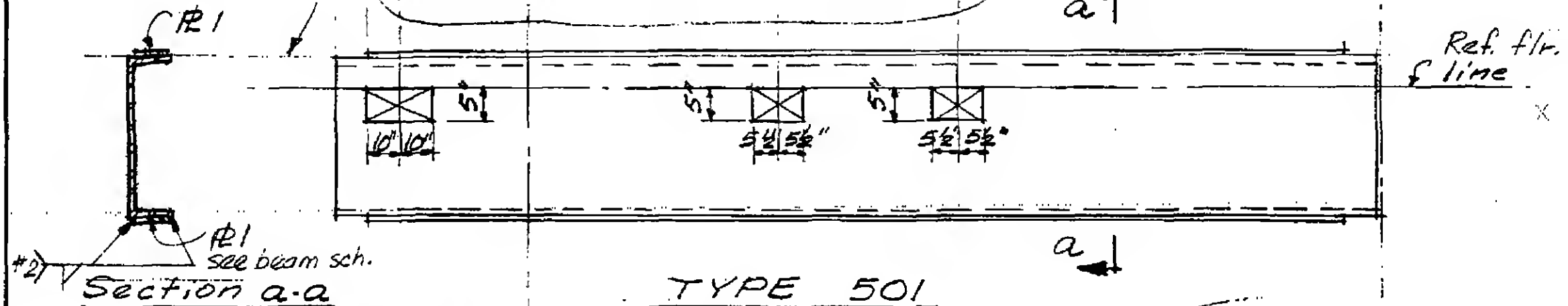
TITLE BEAM TYPE 501, 508, 516

DATE 5-1-67

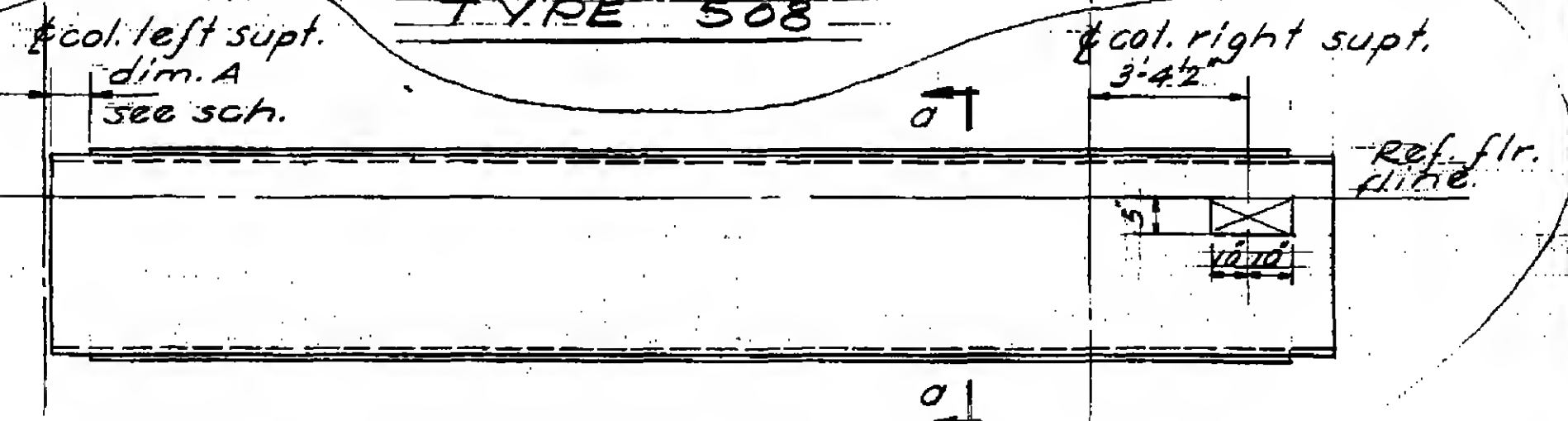
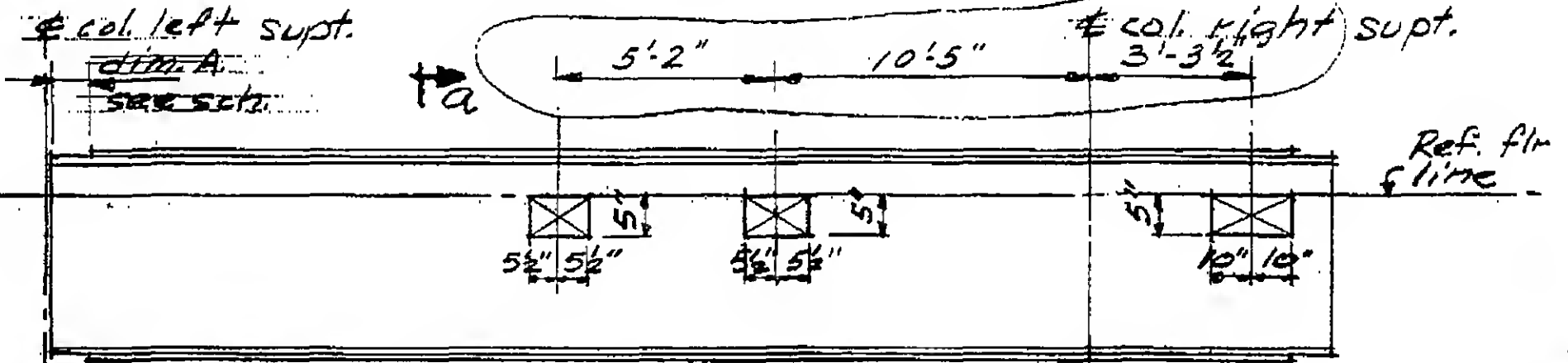
REVISIONS

11-21-67

Ref. top of beam
see framing plan



$\phi 1$	Weld #2
to 3/4	5/16
1 3/16 to 1 1/2	3/8



TYPE 516

5-AB2-16



PROJECT THE WORLD TRADE CENTER

TITLE BEAM TYPE 502, 509, 511 & 514

DATE 5-1-67

REVISIONS

6-5-67

11-21-67

Ref. top of beam
see framing plan

§ column left support

§ opng.

§ column right support
Ref. fl. line

SECTION

TYPE 502

§ opng.
2'-4 1/2"

Ref. floor line

Note: Where cover #1
is scheduled see
5-AB2-20 for details.

TYPE 509

§ col. 506

Ref. floor line

§ col. 506
3'-3 1/2"

Ref. fl. line

10" x 10"

TYPE 514

TYPE 511

5-AB2-17



WORTHINGTON, SKILLING, HELLE & JACKSON

Civil & Structural Engineers

PROJECT THE WORLD TRADE CENTER

TITLE

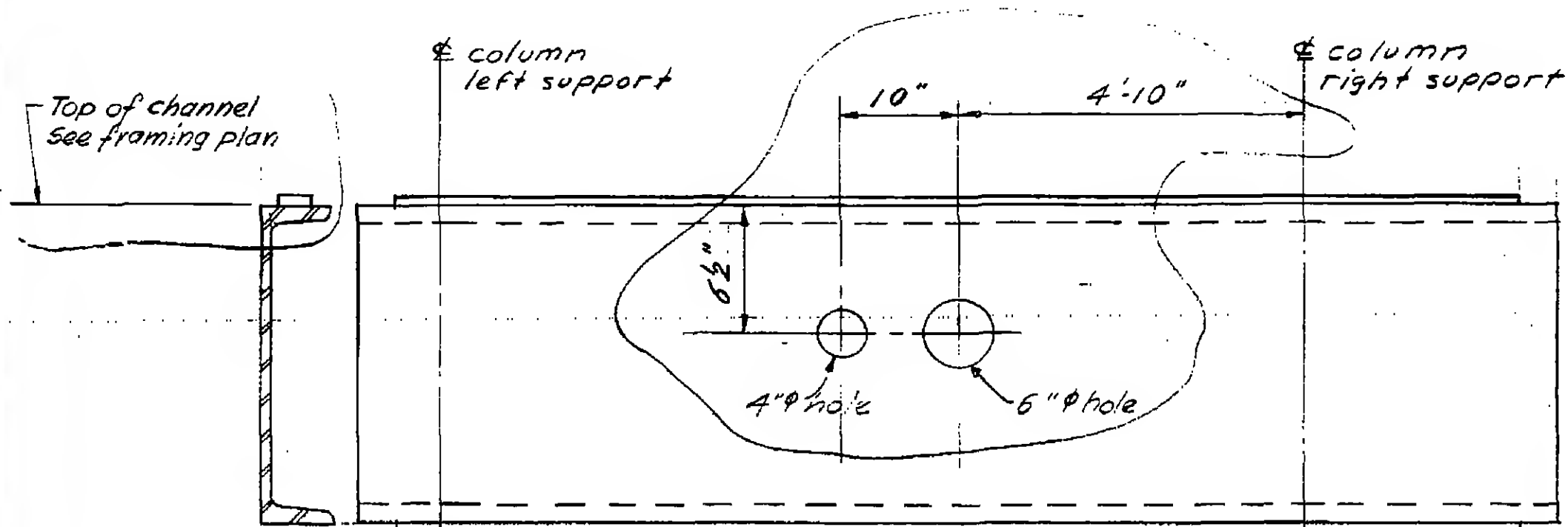
BEAM TYPE 503 & 510

DATE 5-1-67

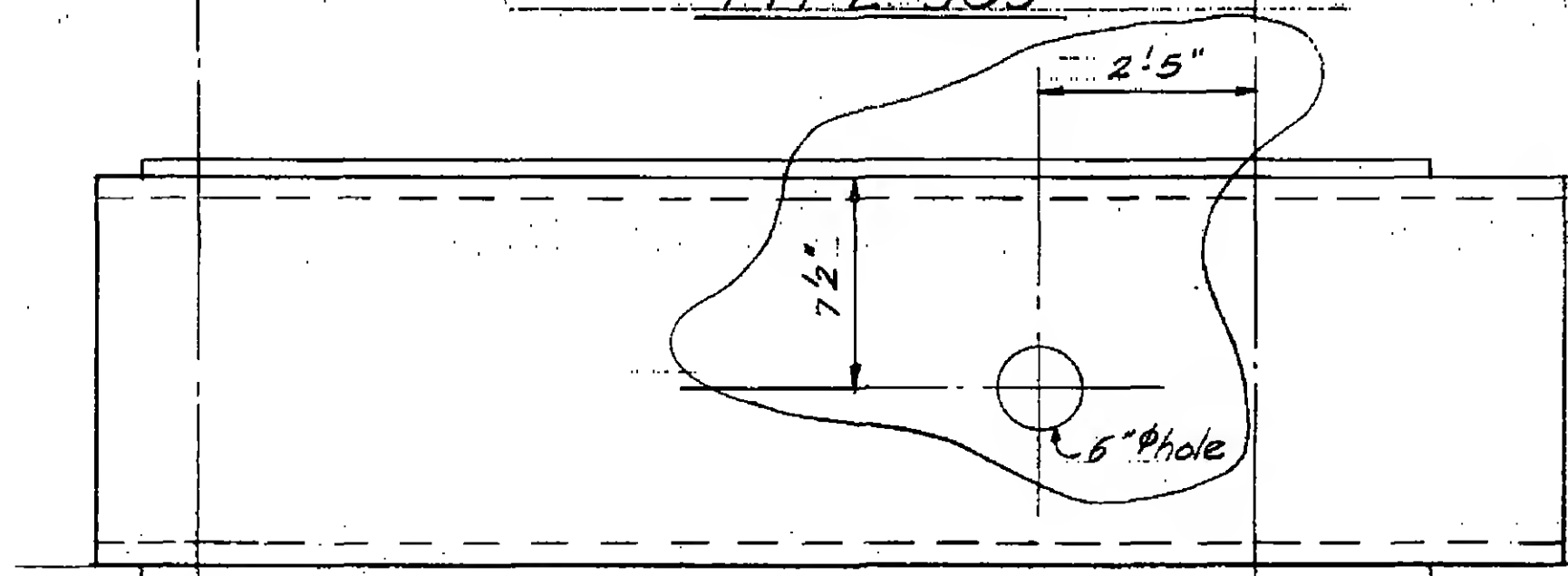
REVISIONS

6-5-67

11-21-67



TYPE 503



Note:

For details not shown
see detail 505 (5-AB2-20)

TYPE 510

5-AB2-1B



WORTHINGTON, SKILLING, HELLE & JACKSON

Civil & Structural Engineers

PROJECT THE WORLD TRADE CENTER

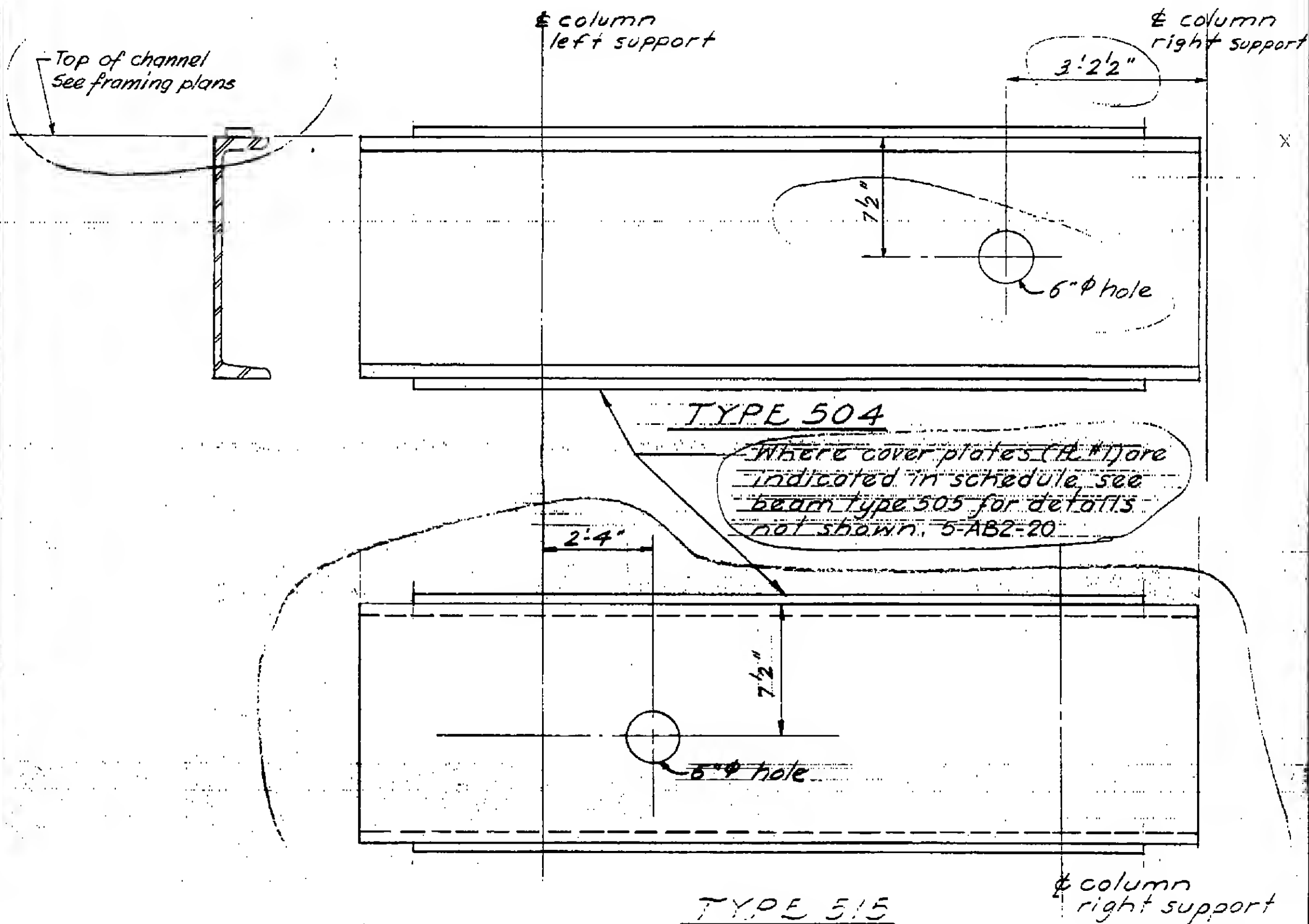
TITLE

BEAM TYPE 504 & 515

DATE 5-1-67

REVISIONS

11-21-67



5-AB2-19

PROJECT **THE WORLD TRADE CENTER**

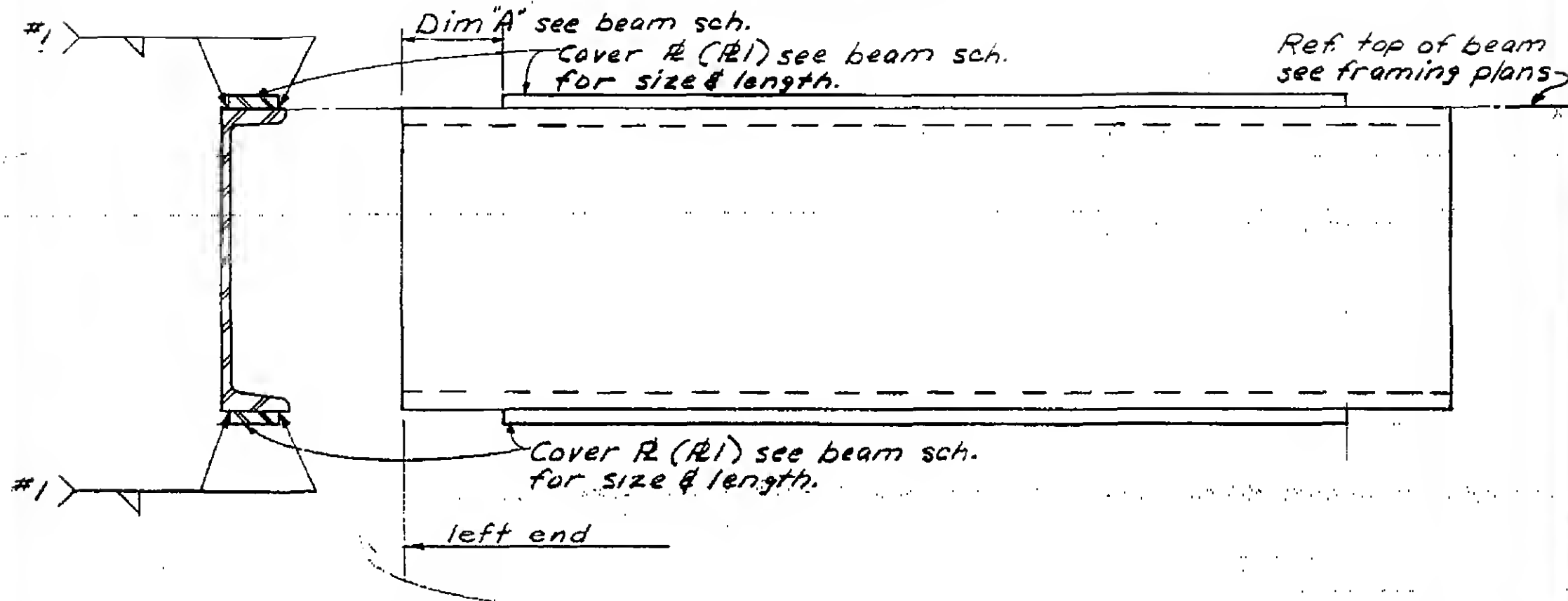
TITLE **BEAM TYPE 505**

DATE **5-1-67**

REVISIONS

6-5-67
9-15-67

Note:
Where cover plate (R1) is indicated and dim. A is not given, cover plate (R1) is centered on beam.



R1	Weld #1
to 1/2"	4"
9/16" to 1"	5/16"
1 1/16" to 1 1/2"	3/8"



PROJECT THE WORLD TRADE CENTER

TITLE BEAM ELEVATION TYPE 400, 401, 402, 405

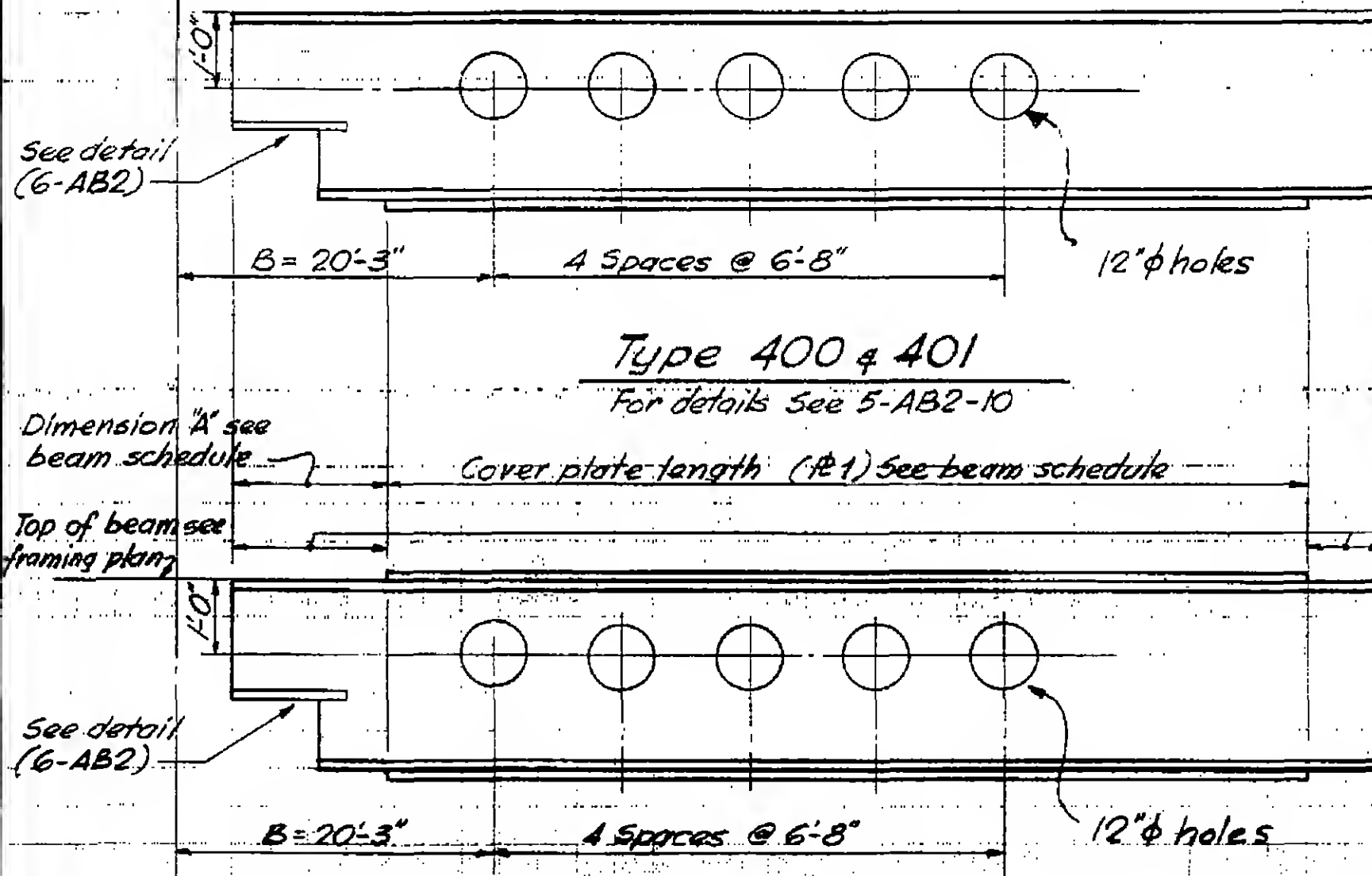
DATE 5-21-67

REVISIONS

6-5-67
9-29-67
11-21-67

Ext column
ref. line ~

Note 1 Where cover plate (#1) is indicated
and dim. "A" is not given, cover plate
(#1) is centered on beam.



Type 402 & 405

For details See 5-AB2-11

Note: Holes occur only
where "B" dim.
is scheduled

9-15-67

10-5-67

11 - 22 - 67



Elevation 512

(5/3 opposite hand)



PROJECT THE WORLD TRADE CENTER

TITLE

BEAM TYPES 415-421

DATE 6-12-67

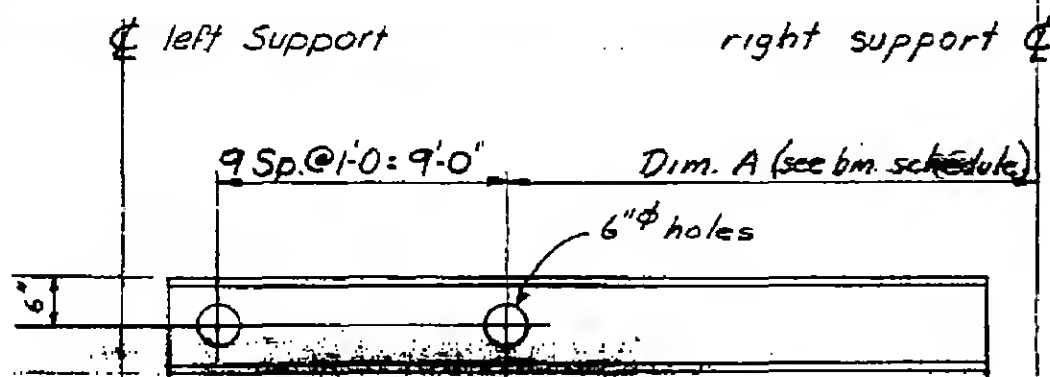
REVISIONS

6-19-67

9-15-67

6-21-68

7-17-68

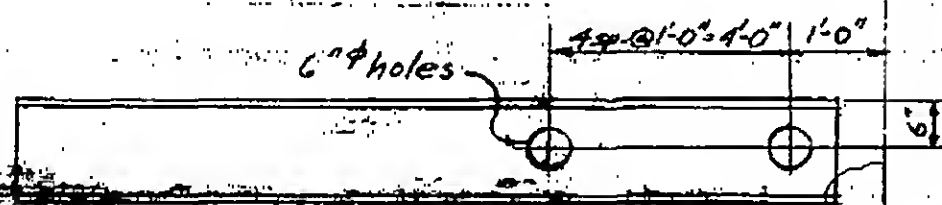


TYPE 415

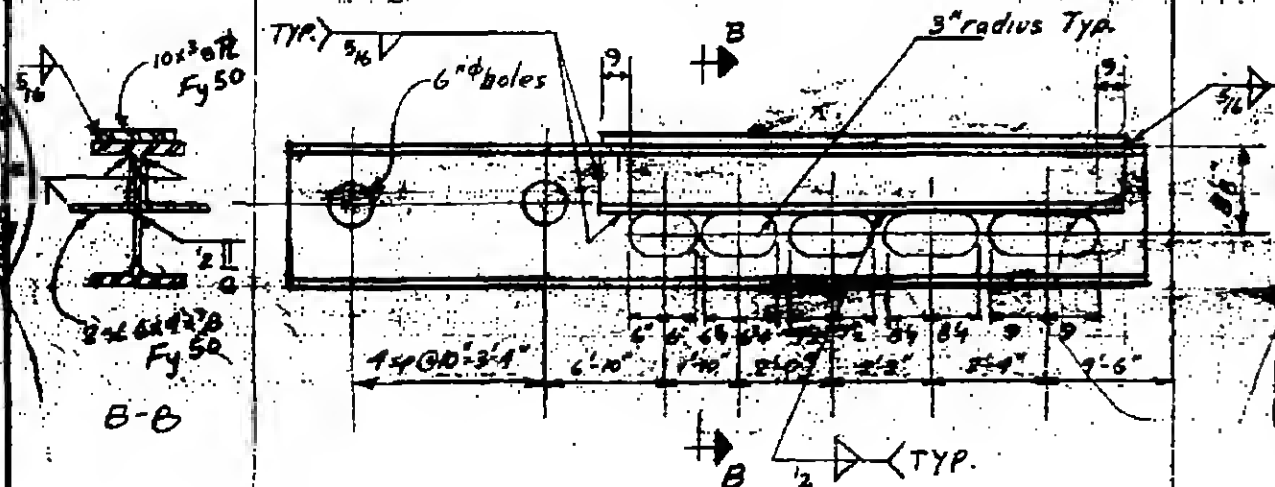
Dim. A (see bm. schedule) 4 Sp. @ 1'-0" = 4'-0"



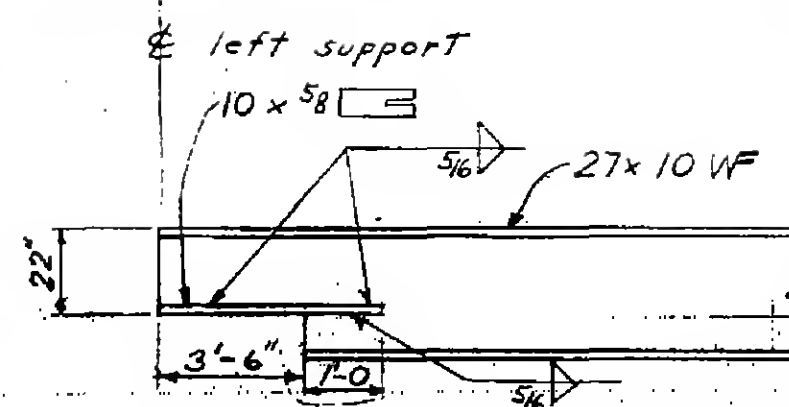
TYPE 416



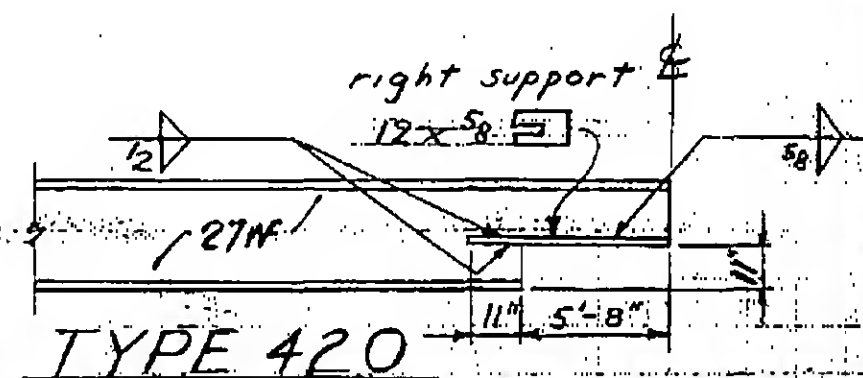
TYPE 417



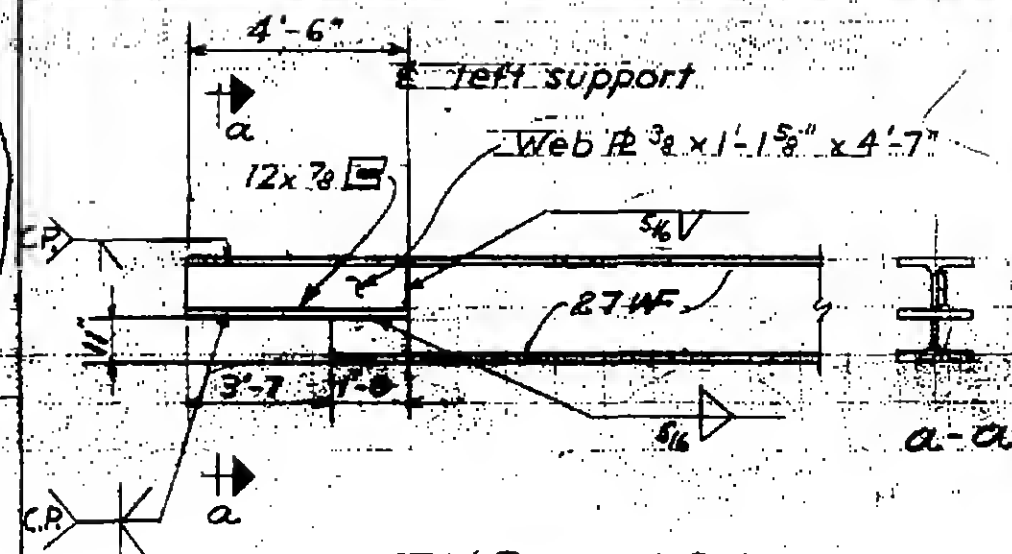
TYPE 470



TYPE 418 419 OPP HAND



TYPE 420



TYPE 421

WORTHINGTON, SKILLING, HELLE & JACKSON

Civil & Structural Engineers

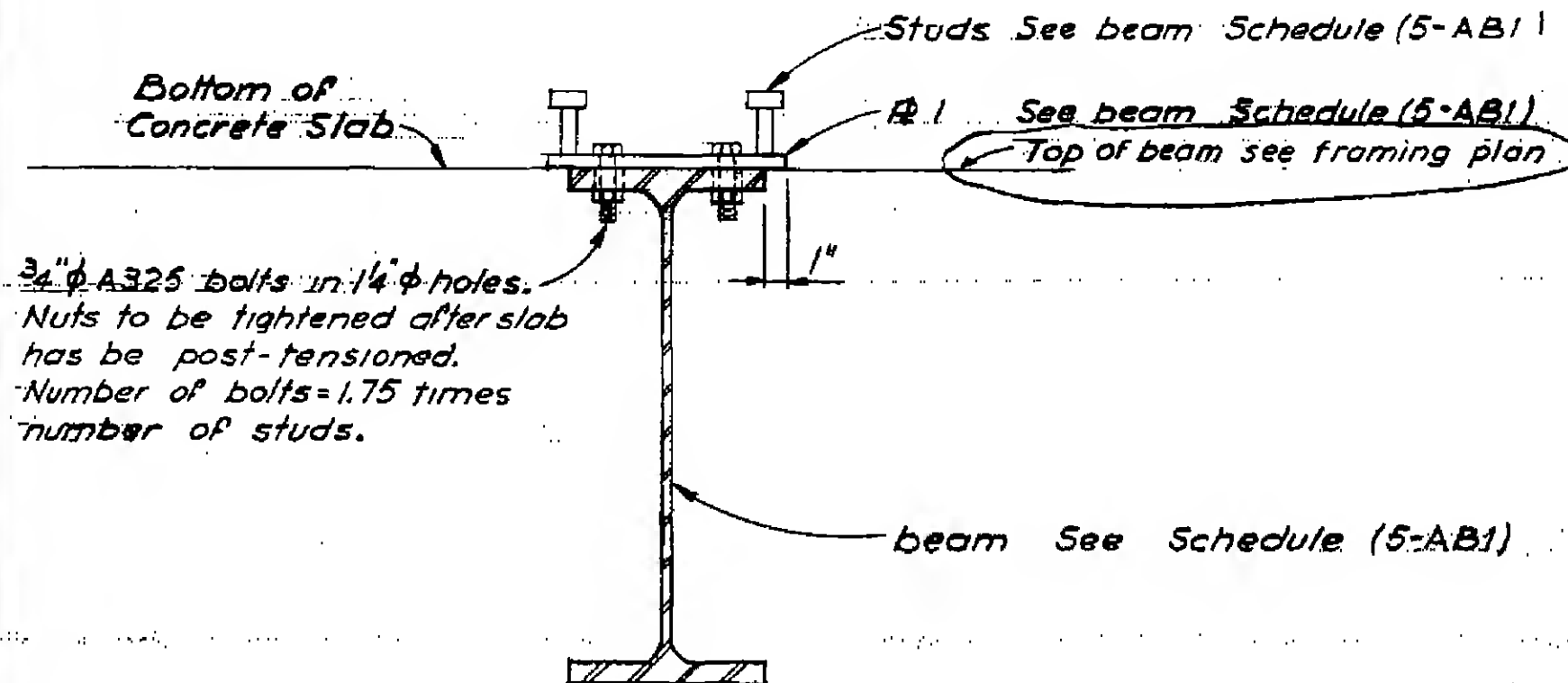
PROJECT **THE WORLD TRADE CENTER**

TITLE **BEAM TYPE 700**

DATE **6-12-67**

REVISIONS

8-8-67
10-2-67
11-17-67



Note:

All Shear studs shall be installed on R1 only.

All washers provided should be $1\frac{3}{4} \times \frac{7}{16}$ (square or round) with a yield stress of 50 ksi.

5-AB2-24



REVISIONS

9-15-67

10-31-67

12-21-67

Exterior column
ref. line.

For stiffener see
Det. 840 A (6-AB5-38)

1'-7" Type 422
2'-3" Type 423

18" C.P. - Beam # 7067 & # 7190 only



see schedule

See schedule
for beam size

13'-0" TYPE 422

15'-0" TYPE 423

Type 422 & 423

Section a-a



For stiffener see
Det. 840 A (6-AB5-38)

See schedule for
beam size

Face of column

Type 424



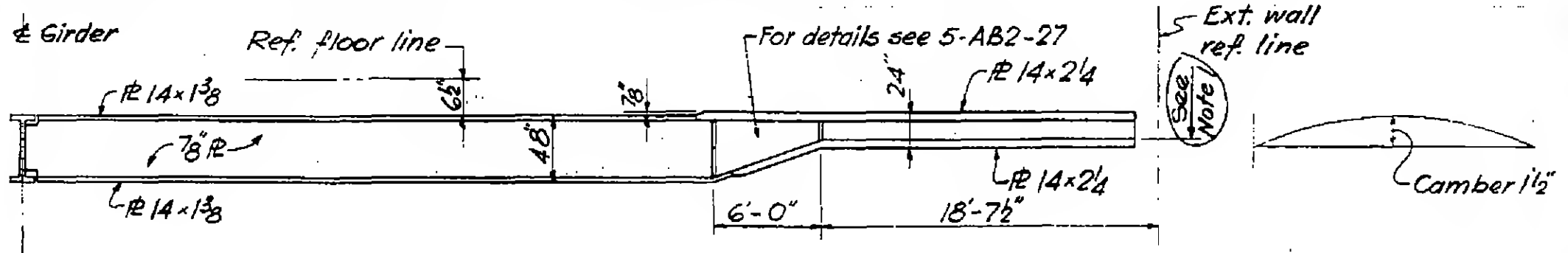
PROJECT THE WORLD TRADE CENTER

TITLE BEAM TYPE 310-313

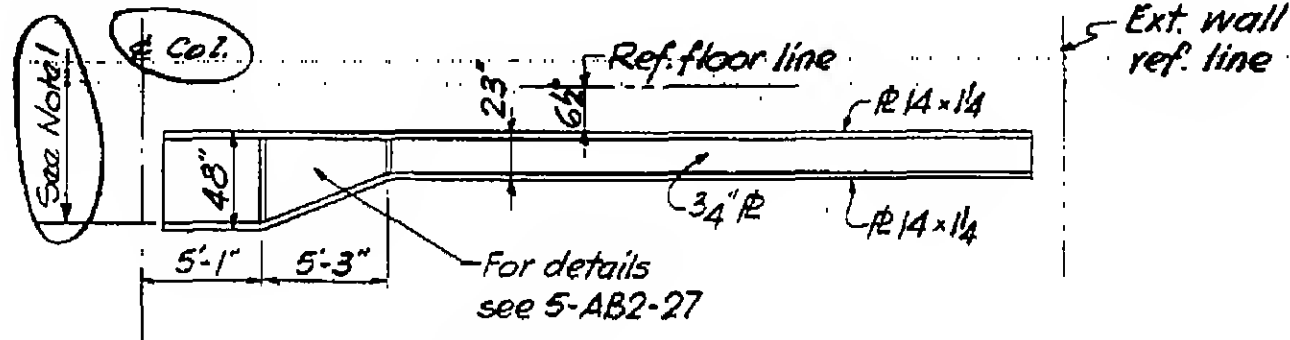
DATE 7-14-67

REVISIONS

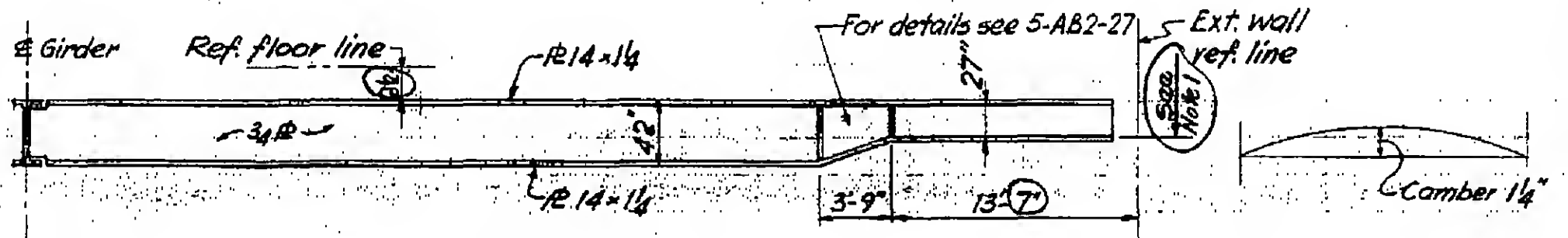
10-31-67



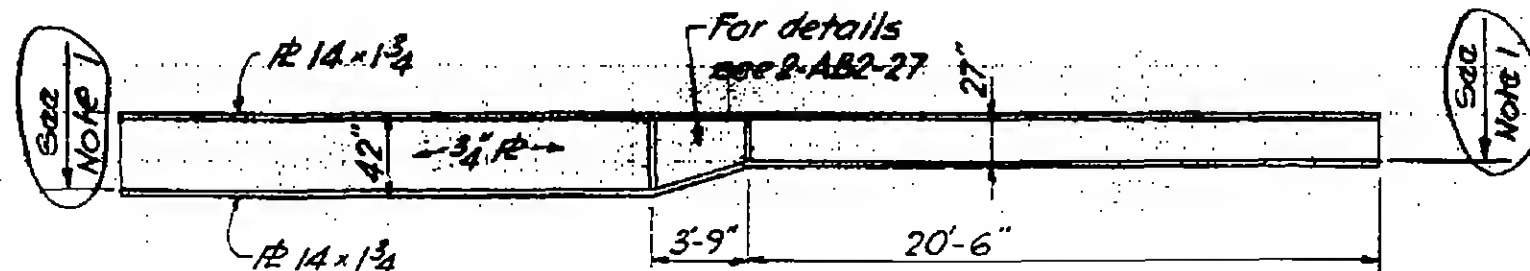
Type 310



Type 311

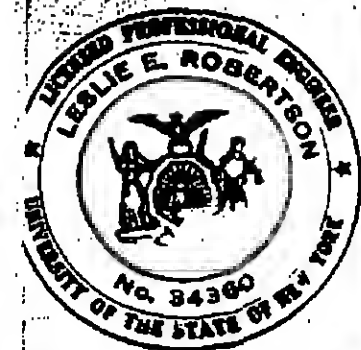


Type 312

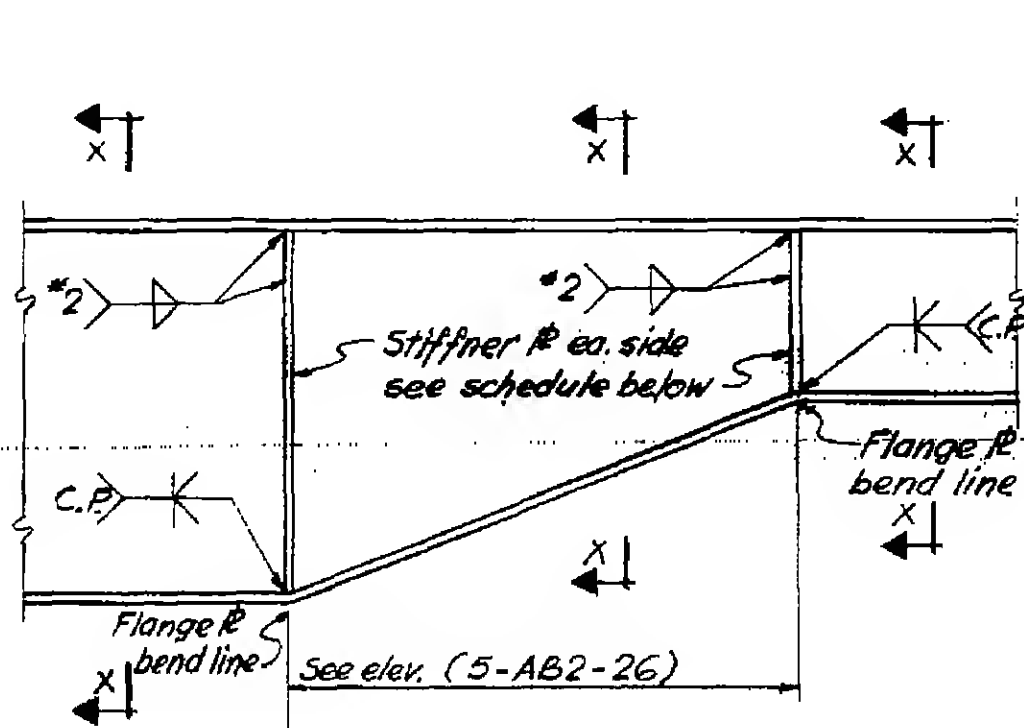


Type 313

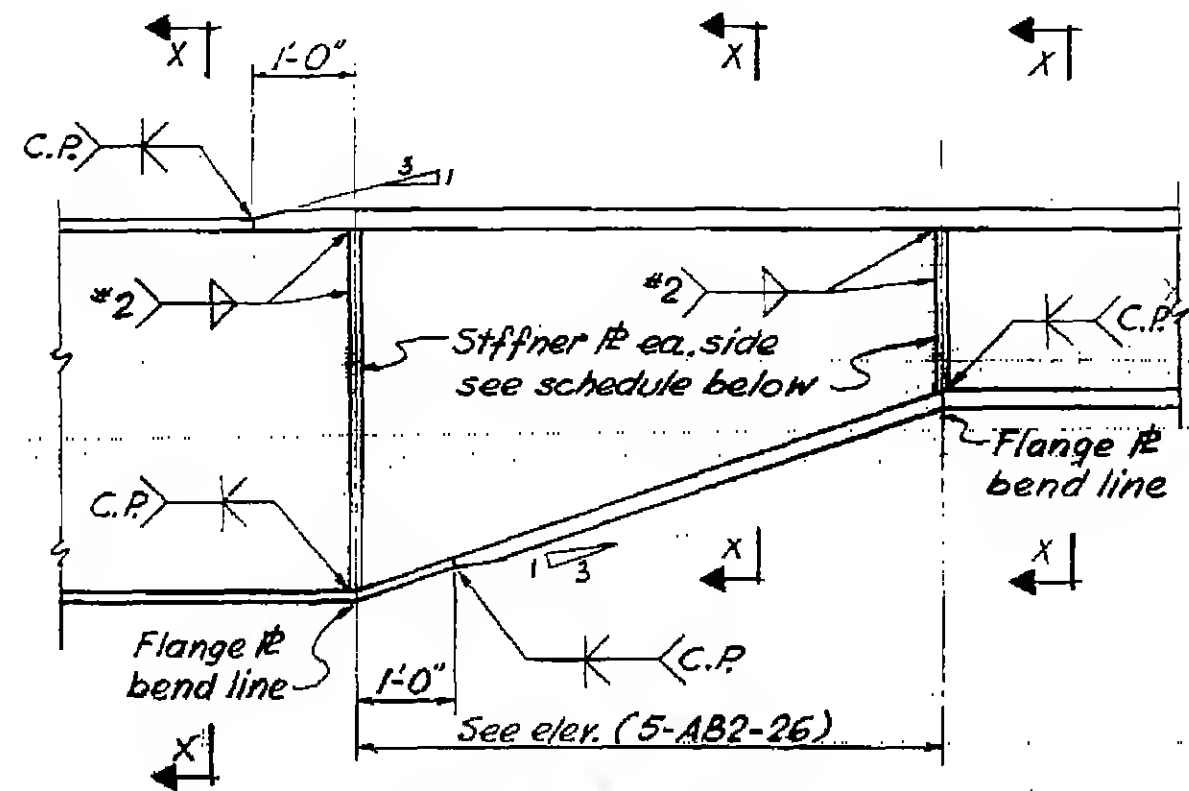
Note 1: Web to be finished for bearing



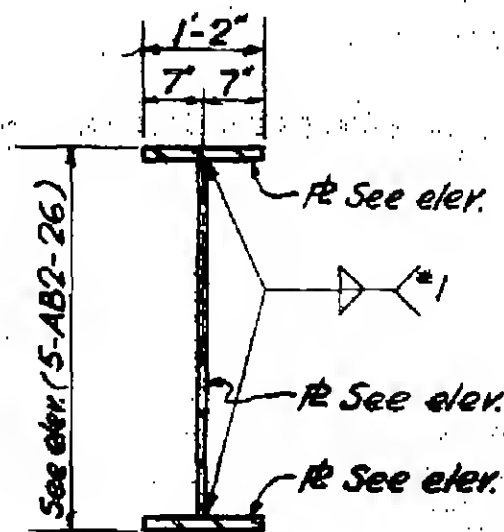
REVISIONS



Type 311, 312, 313

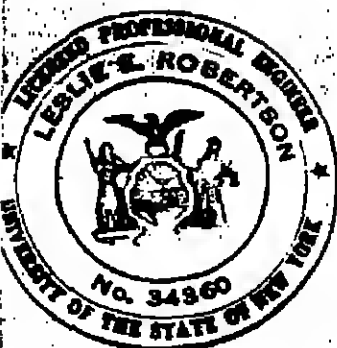


Type 310



Section X-X

Beam type	Stiff #	Weld #1	Weld #2
310	1"	3/8"	3/8"
311	7/8"	5/16"	5/16"
312	3/4"	5/16"	5/16"
313	7/8"	3/8"	3/8"



PROJECT THE WORLD TRADE CENTER

TITLE

BEAM DETAIL BEAM ELEVATION 428-431

DATE 9-15-67

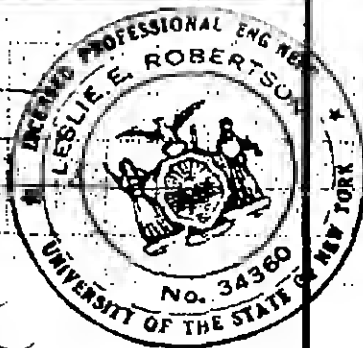
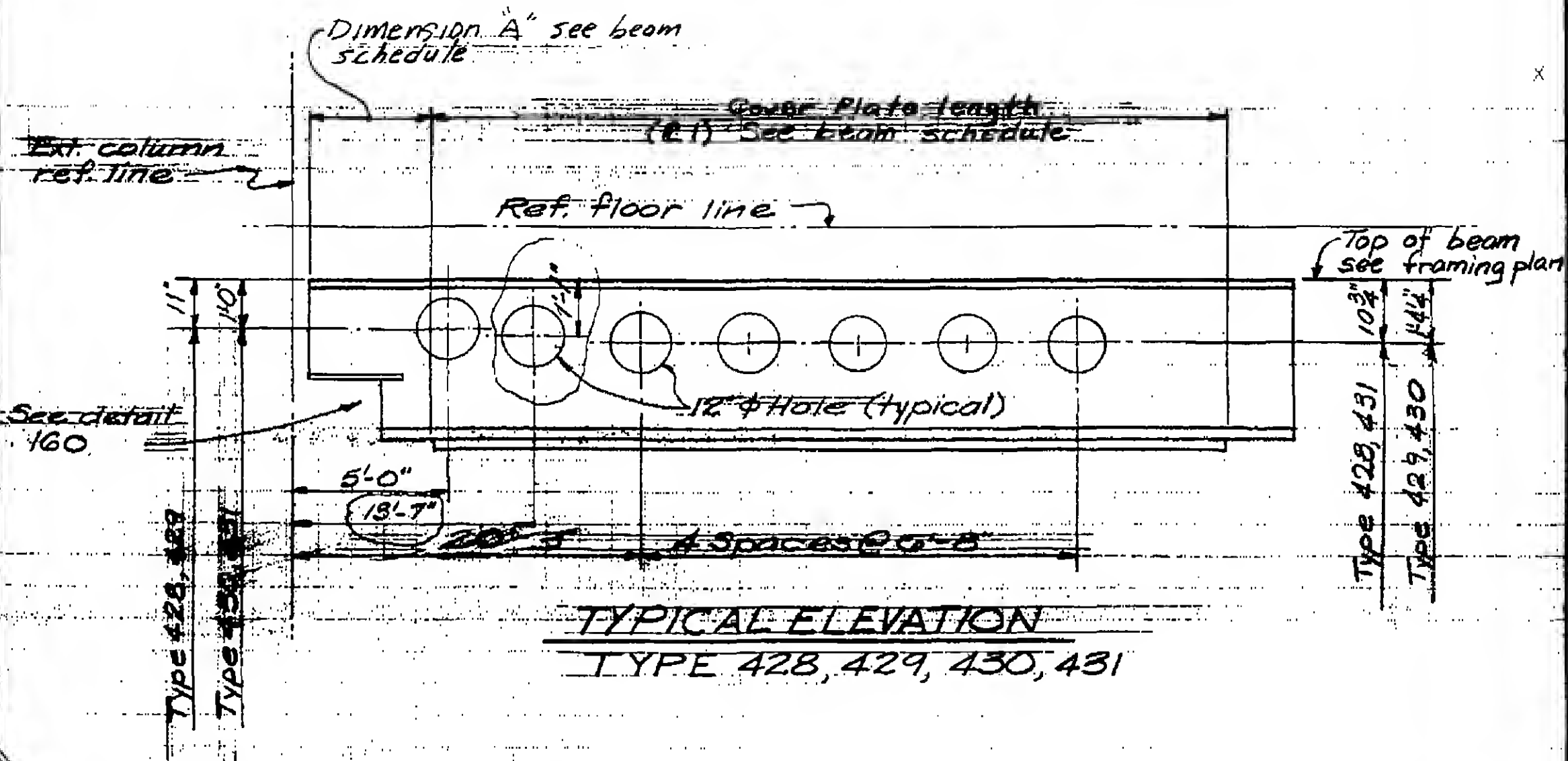
REVISIONS

9-29-67

12-21-67

Note:

Where cover plate (R1)
is indicated and dim. A is
not given cover plate (R1)
is centered on beam.



PROJECT THE WORLD TRADE CENTER

TITLE BEAM TYPES 426, 427, 432 & 435

DATE 9-15-67

REVISIONS

9-29-67

11-21-67

12-21-67

Ext. col.
ref. line

Ref. fl. line

NOTE ①: Where cover plate (R1) is indicated
and dim "A" is not given, cover
plate (R1) is centered on beam.10'3"
1'4"Dim. "A"
(See beam sched.)Cover plate length
(R1) see beam scheduleEqual for
note ①see details
(6-AB2)

B = 20'3"

4 spaces @ 6'8"

TYPE 426 & 427

For details not shown see TYPE 400 (5-AB2-10)

Stiffeners (4 req'd) extend to
toe of beam flange.Omit this o'p'g only for
beam at col. 151 floor 7For top of beams
see framing plans.see details
(6-AB2)

B = 20'3"

4 spaces @ 6'8"

Dim. "A"
(See beam sched.)Cover plate length (R1)
see beam schedule

TYPE 432

Cover plate length (R1)
see beam scheduleEqual for
note ①Equal for
note ①10'3"
1'4"Dim. "A"
(See beam sched.)Cover plate length (R1)
see beam scheduleFor details not shown
see TYPE 400 (5-AB2-10)

12" holes typ.

see details
(6-AB2)

B = 20'3"

6'8"

6'8"

13'4"

Top and bott cover
R see sch. R1

TYPE 435

For details not shown see TYPE 402 (5-AB2-11)

5-AB2-29



REVISIONS

12-21-67

Dimension 'A' see beam
schedule.

Ext. column
ref. line. —

Ref. floor line

.....Cover plate length
(R1) See beam schedule

Top of beam
see Framing plan

See detail
160

TYPICAL ELEVATION



5-AB2-30

PROJECT THE WORLD TRADE CENTER

TITLE BEAM TYPE 434, 458, 459

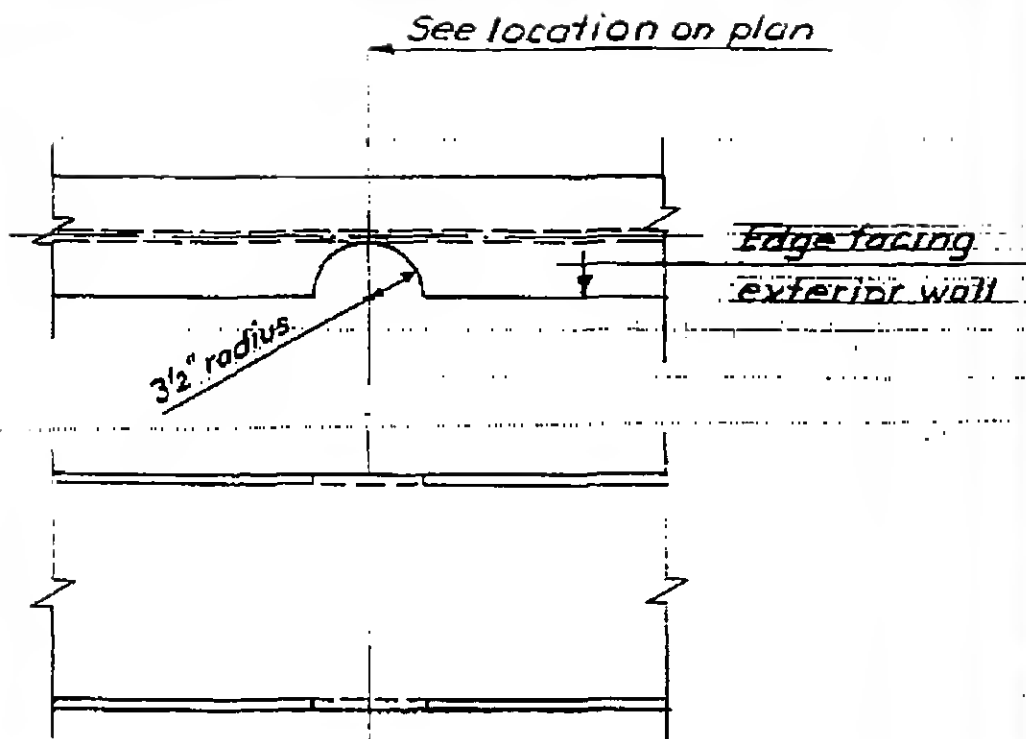
DATE 9-29-67

REVISIONS

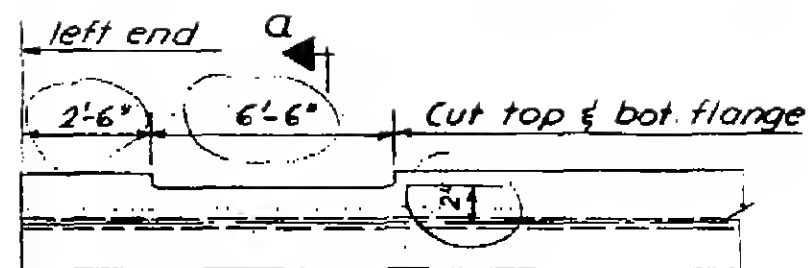
12-21-67

2-9-68

3-29-68

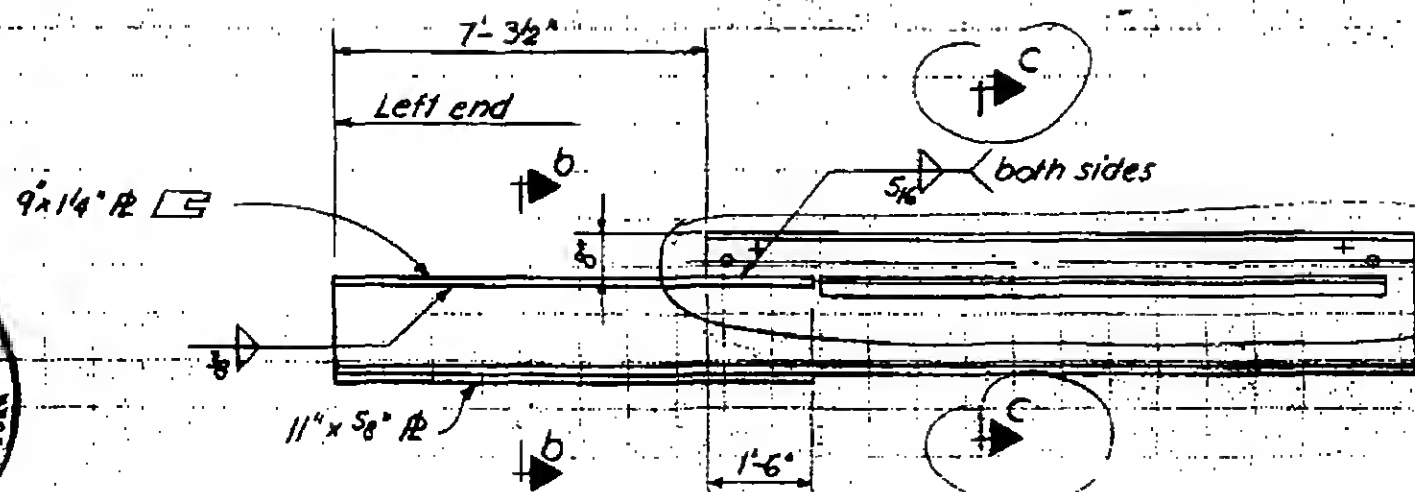


Beam Type 434

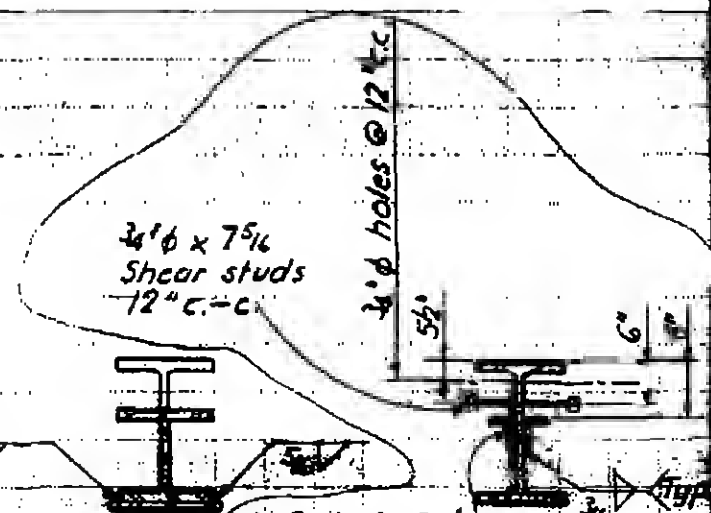


Section a-a

Beam Type 458



Beam Type 459



Section b-b

Section c-c

All #s Fy 50



PROJECT THE WORLD TRADE CENTER

TITLE BEAM TYPE 436 & 437

DATE 9-29-67

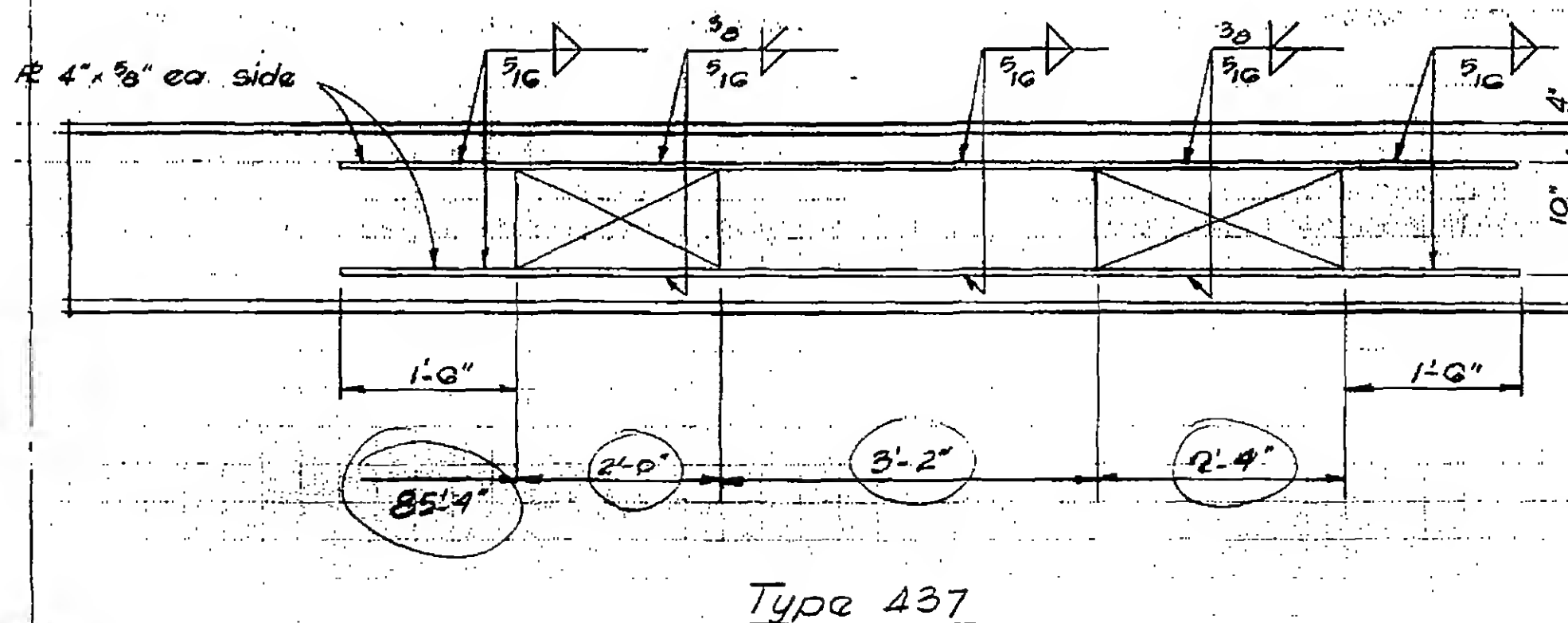
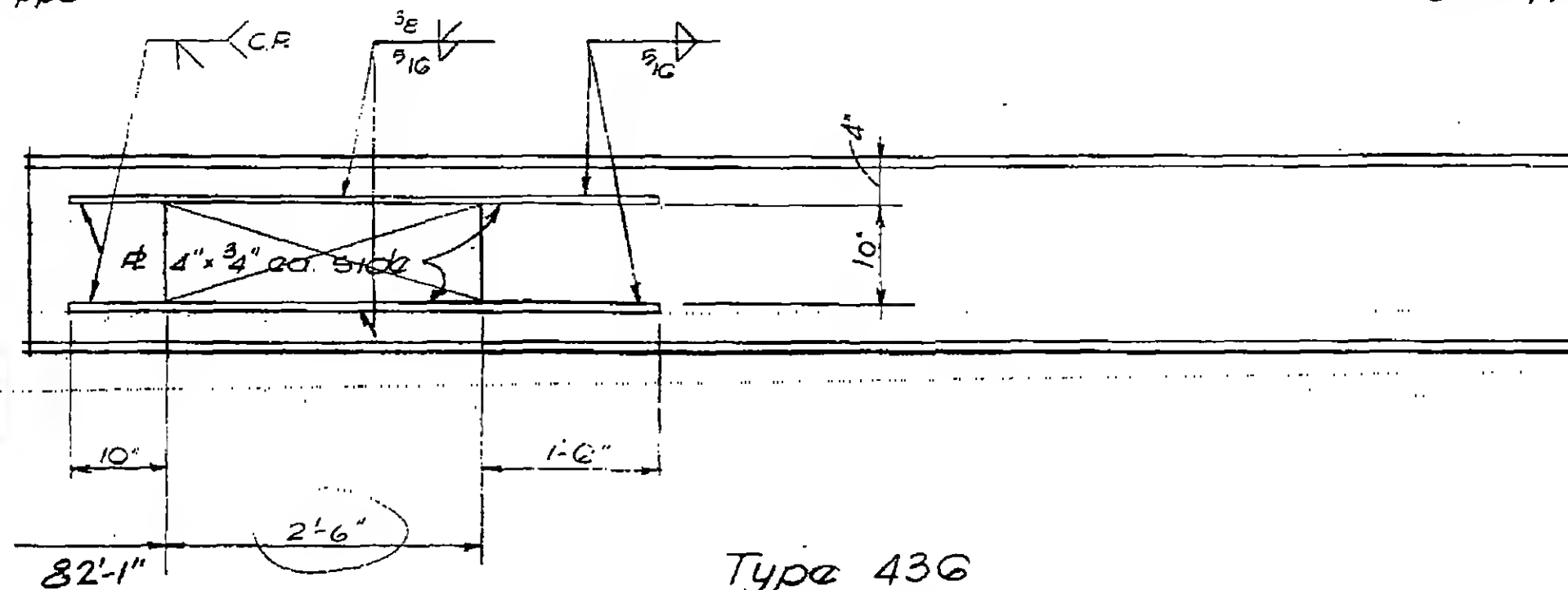
REVISIONS

10-31-67

12-21-67

Left support

Right support



PROJECT

THE WORLD TRADE CENTER

TITLE

BEAM TYPE 440 & 445

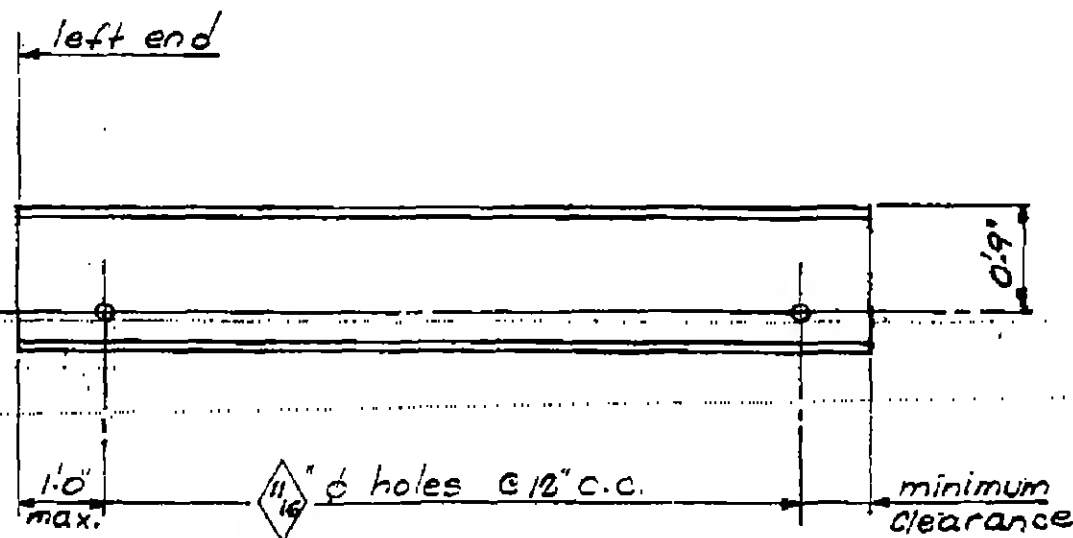
DATE

10-2-67

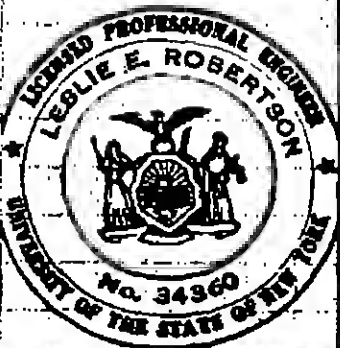
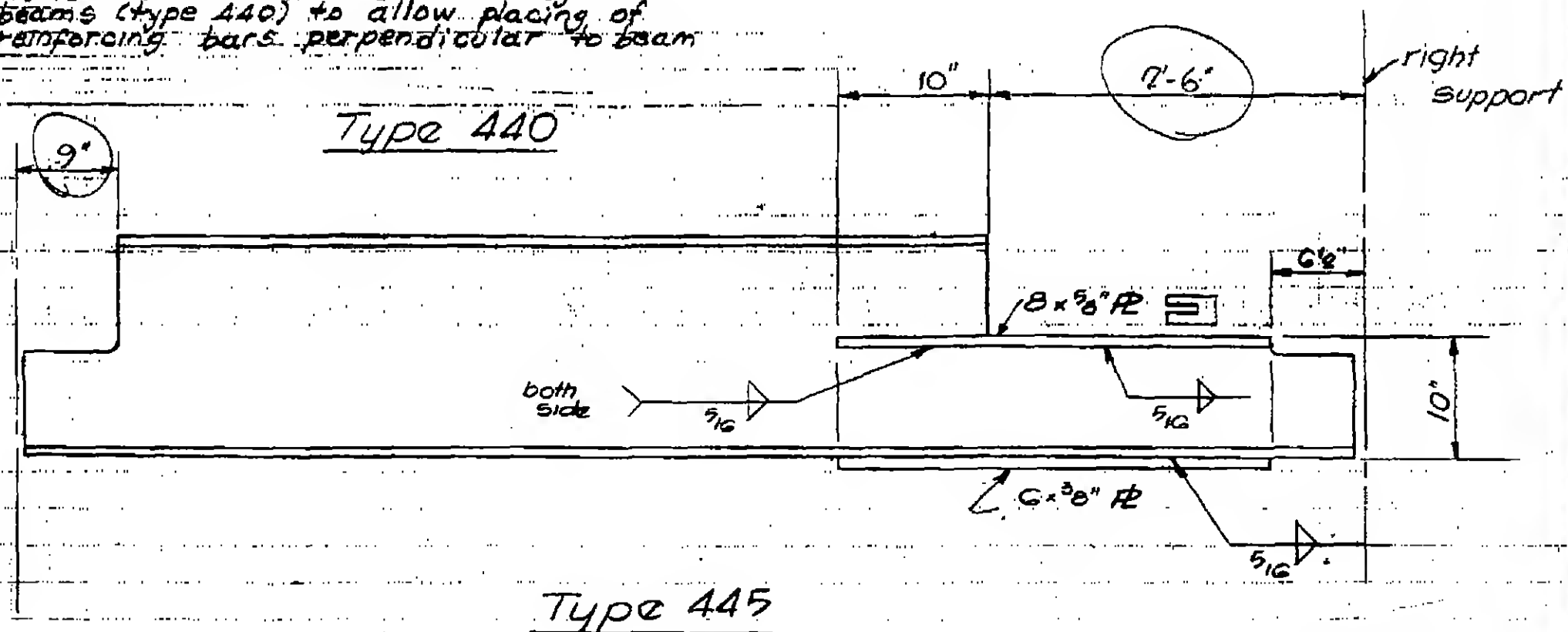
REVISIONS

10/23/67

12/21/67

Note:

Holes must be matched with adjacent beams (type 440) to allow placing of reinforcing bars perpendicular to beam



SKILLING - HELLE - CHRISTIANSEN - ROBERTSON

Structural & Civil Engineers

PROJECT

THE WORLD TRADE CENTER

TITLE

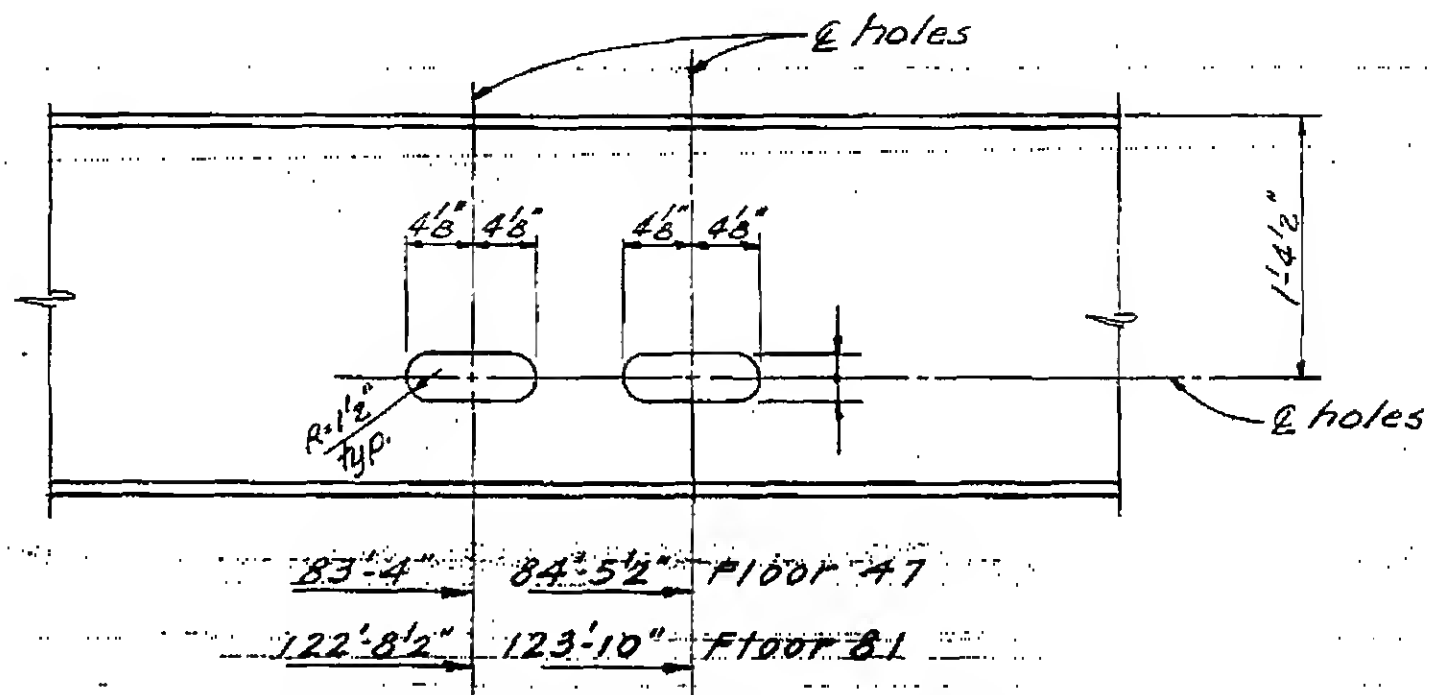
BEAM TYPE 445 449

DATE

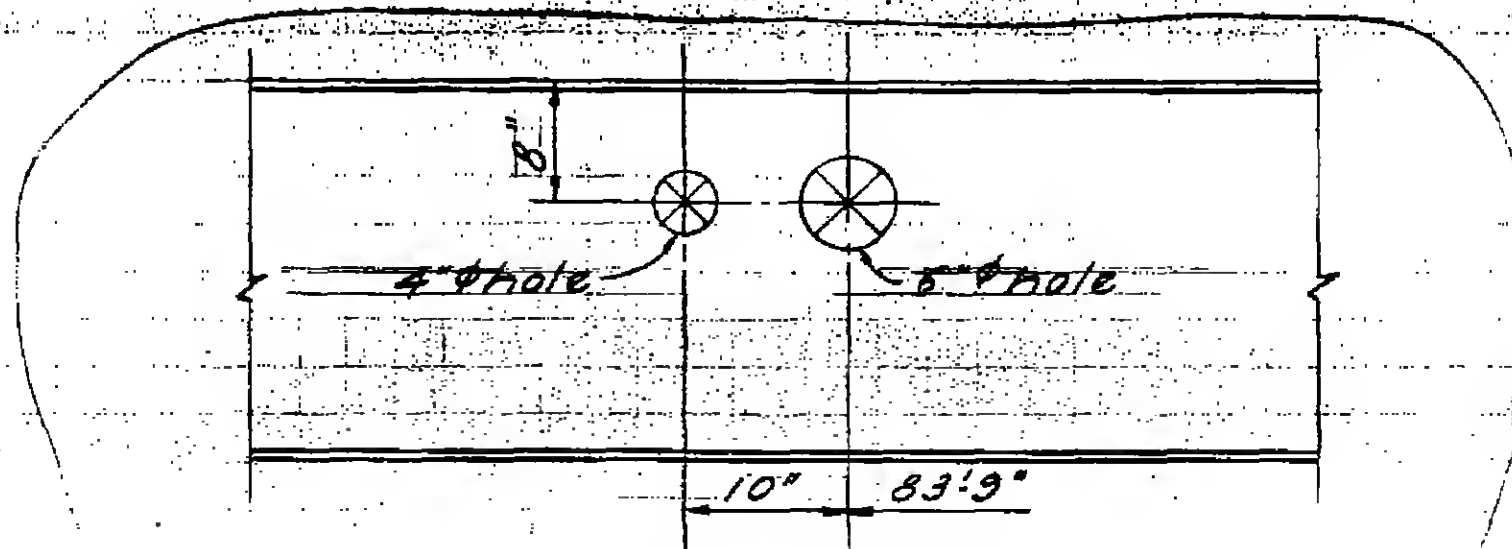
10-30-67

REVISIONS

11-21-67



BEAM TYPE 446



BEAM TYPE 449



5-AB2-34

PROJECT THE WORLD TRADE CENTER

TITLE BEAM ELEVATION TYPE 451, 452, 456

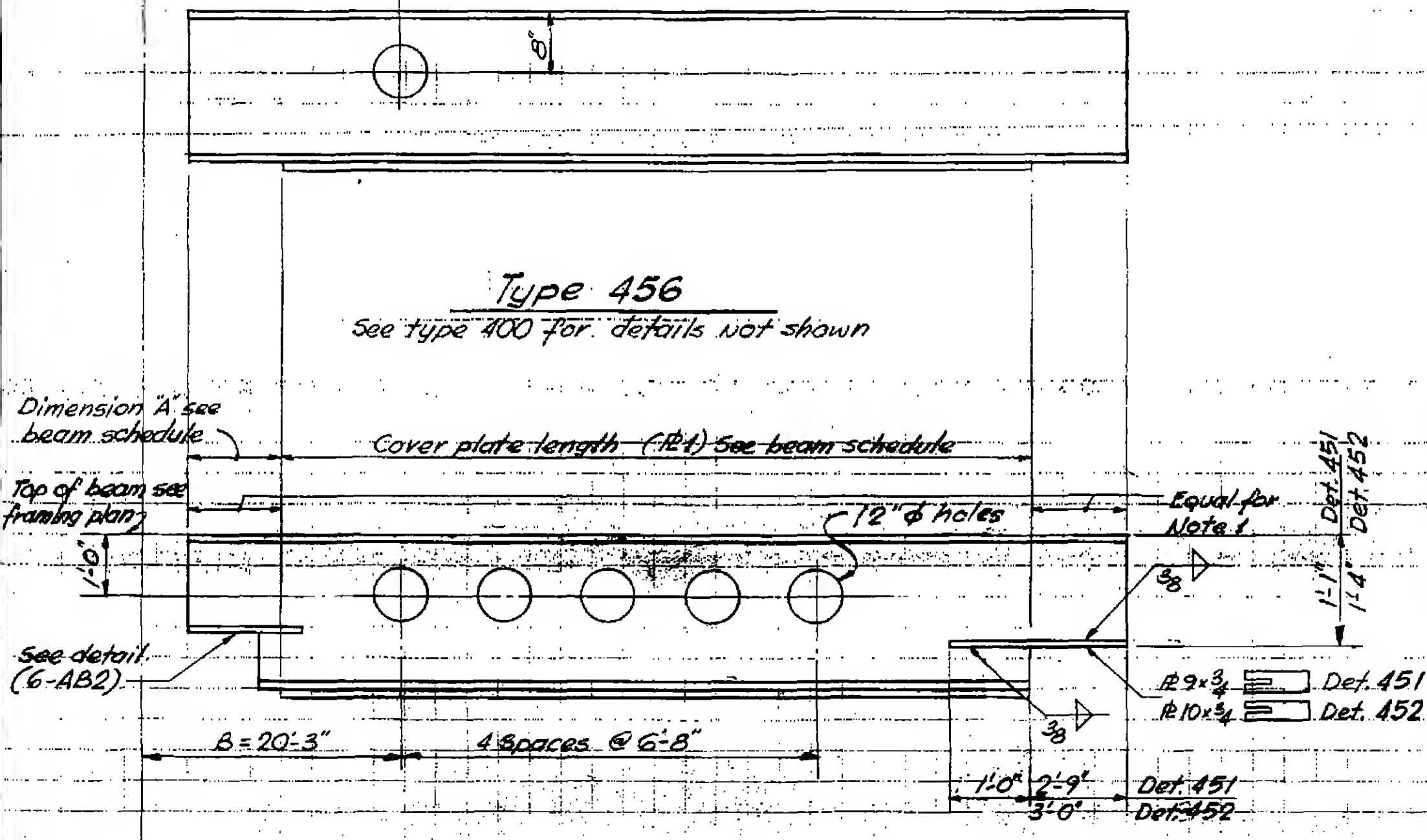
DATE 11-21-67

REVISIONS

Ext. column
ref. line

Note 1 Where cover plate (P1) is indicated
and dim. "A" is not given, cover plate
(P1) is centered on beam.

See plan for location & size

Type 451 & 452

See type 400 for details not shown

PROJECT

THE WORLD TRADE CENTER

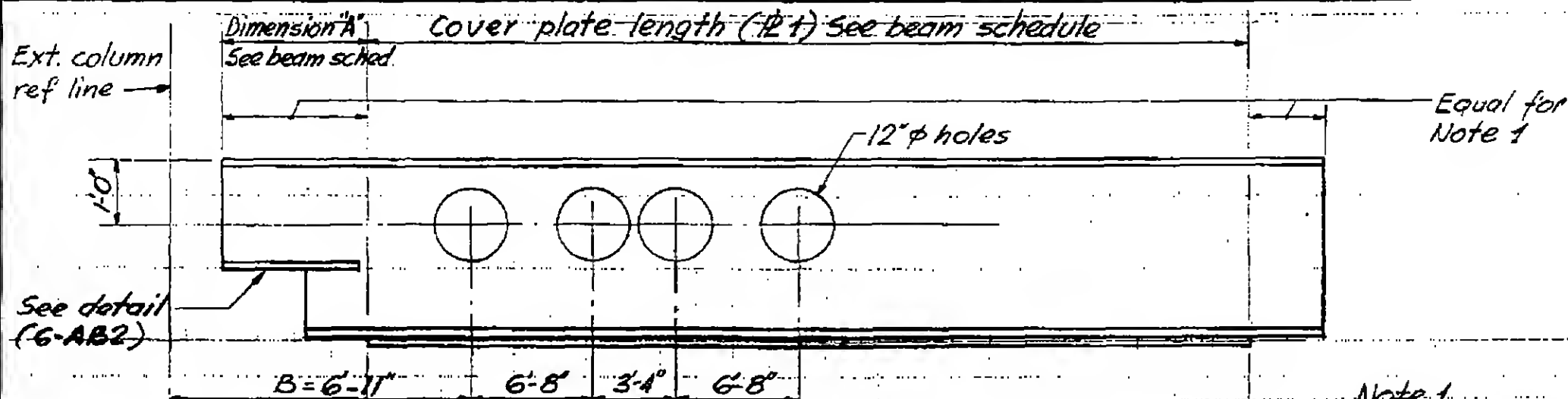
TITLE

BEAM ELEVATION TYPE 453, 454, 455

DATE

11-21-67

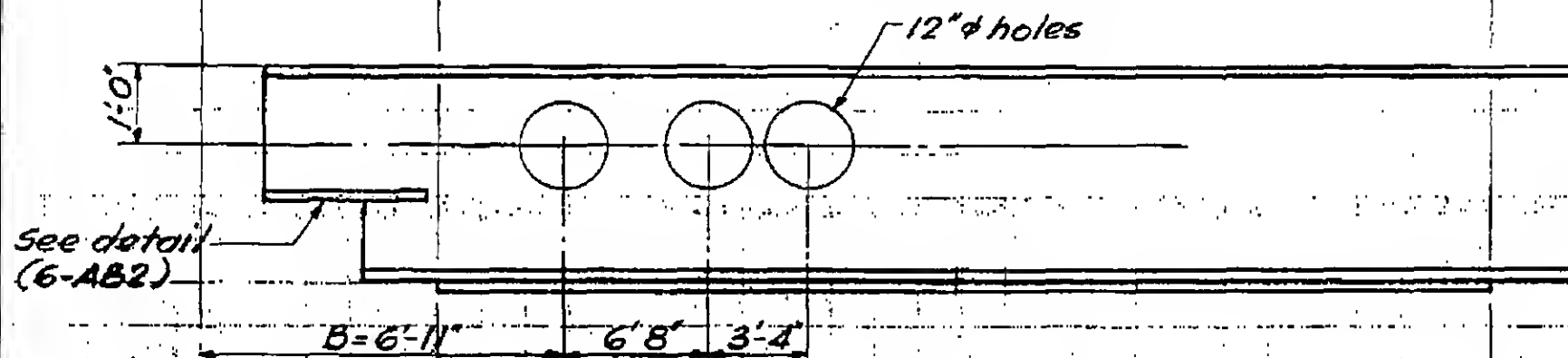
REVISIONS

Type 453

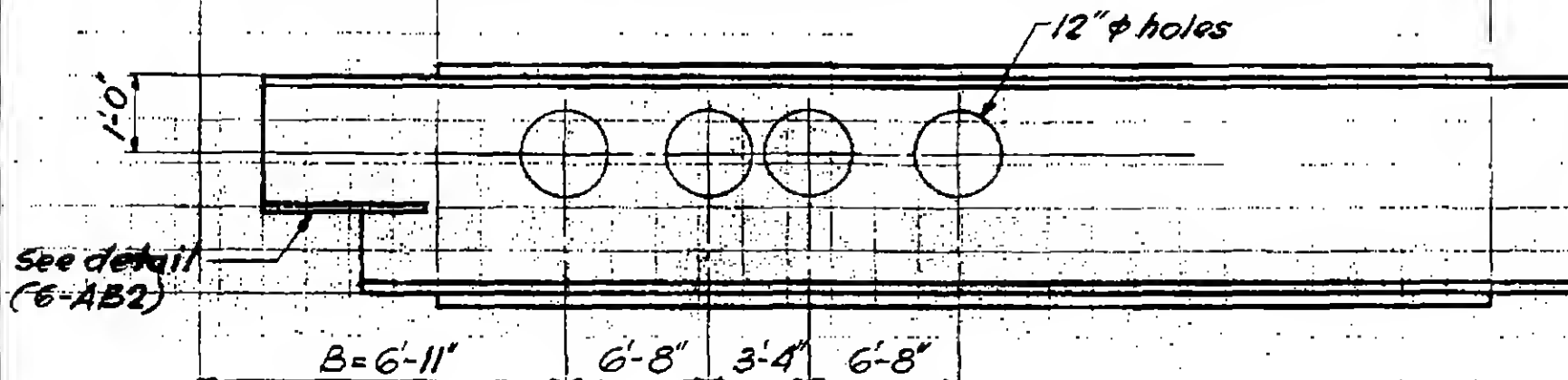
See type 400 for details not shown (5-AB2-10)

Note 1

Where cover plate (R1) is indicated and dim. "A" is not given, cover plate (R1) is centered on beam.

Type 454

See type 400 for details not shown (5-AB2-10)

Type 455

See type 402 for details not shown (5-AB2-11)

PROJECT

THE WORLD TRADE CENTER

TITLE

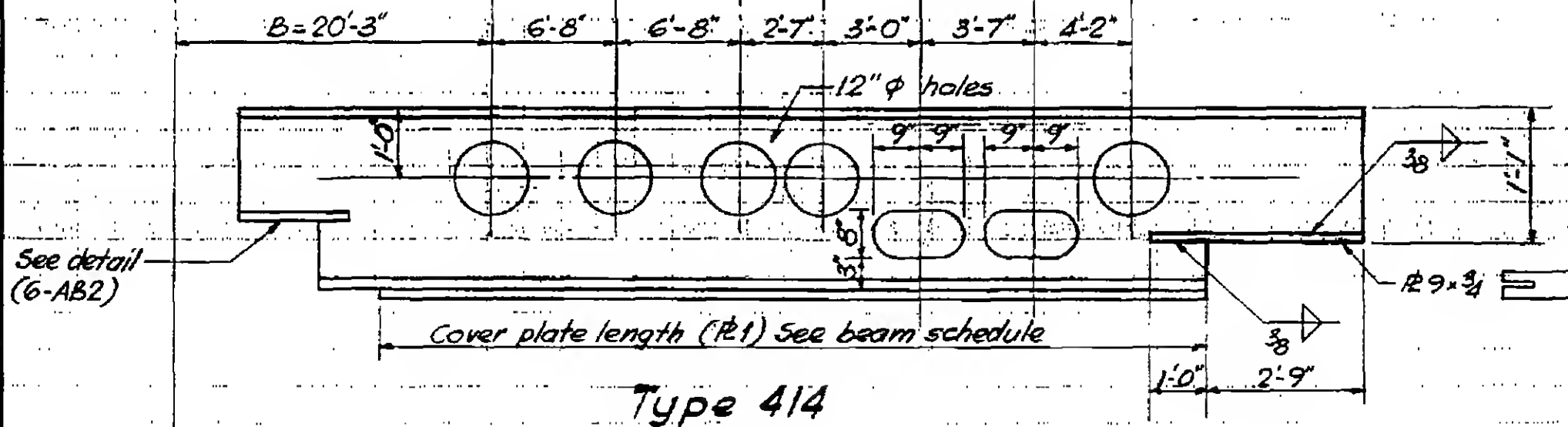
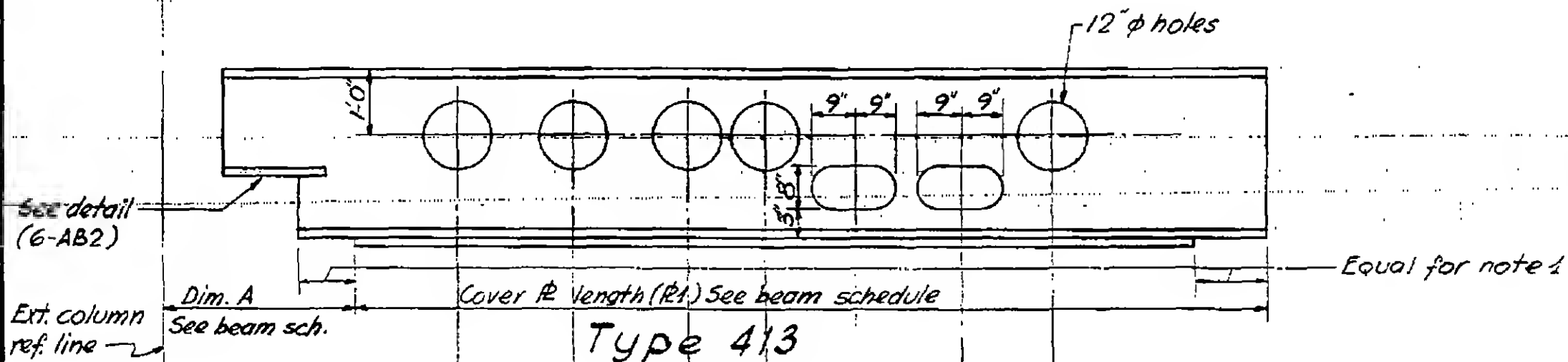
BEAM ELEVATION TYPE 413, 414

DATE

11-21-67

REVISIONS

Note 1 Where cover plate (#1) is indicated and dim. "A" is not given, cover plate (#1) is centered on beam.



Beam type 413 & 414
previously shown on
5-AB2-21

SKILLING - HELLE - CHRISTIANSEN - ROBERTSON

Structural & Civil Engineers

PROJECT THE WORLD TRADE CENTERTITLE BEAM TYPE 460, 461, 462, 463, 465, 467DATE 2-7-68

REVISIONS

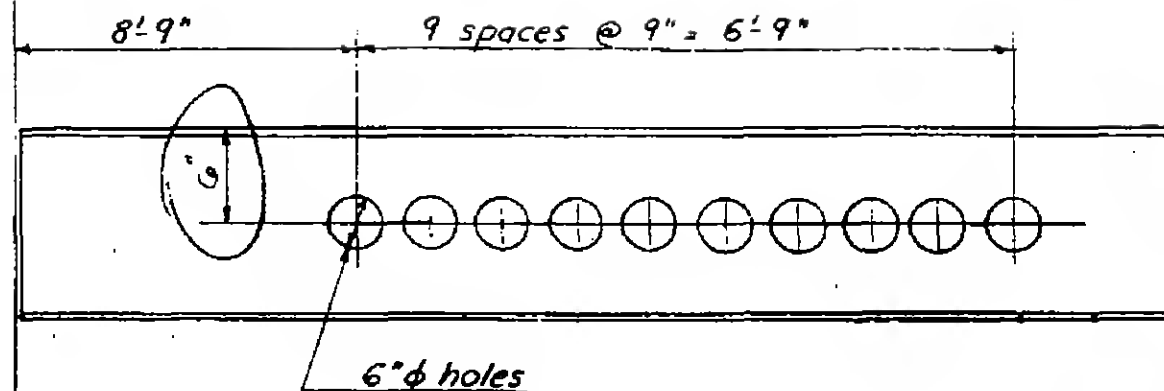
5-7-68

7-17-68

9-25-68

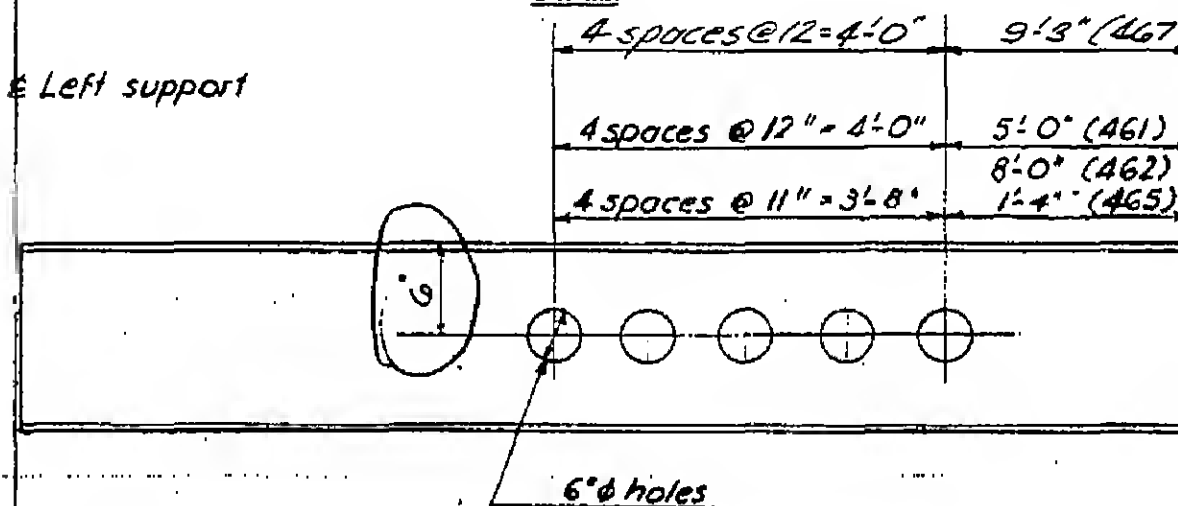
Left support

Right support

460

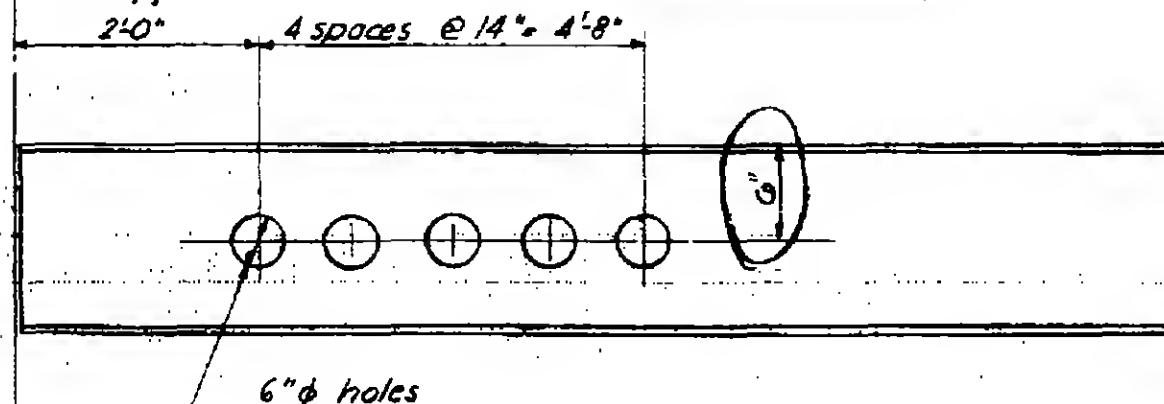
Left support

Right support

461, 462, 465, 467

Left support

Right support

463

5-AB2-38



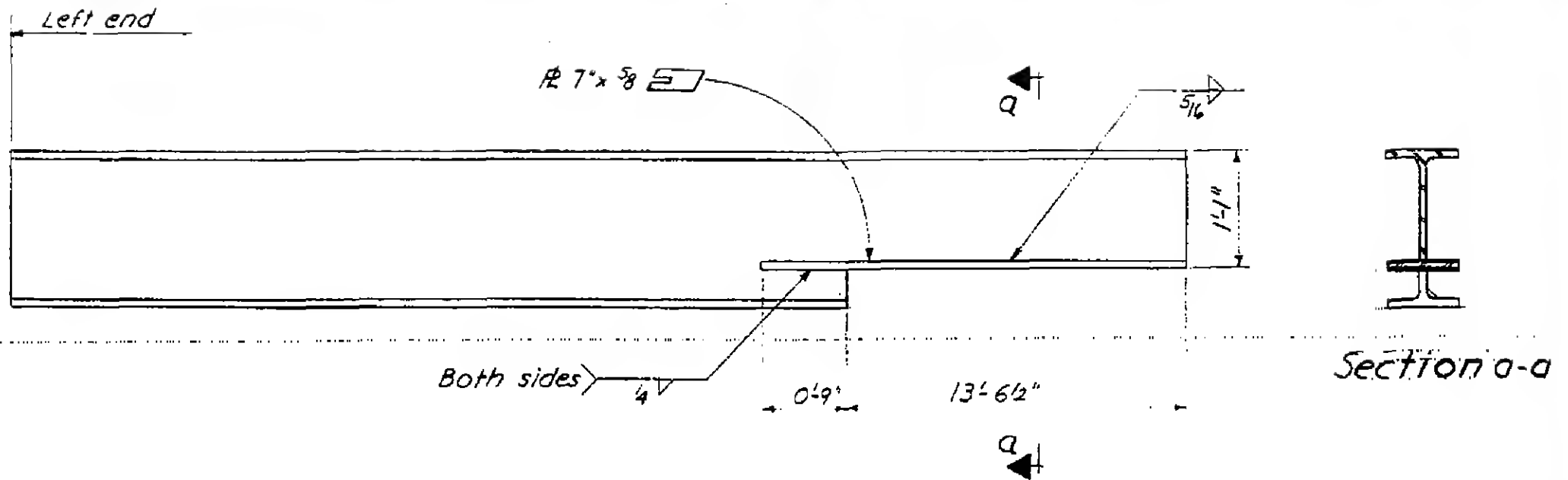
PROJECT THE WORLD TRADE CENTER

TITLE BEAM TYPE 464, 466

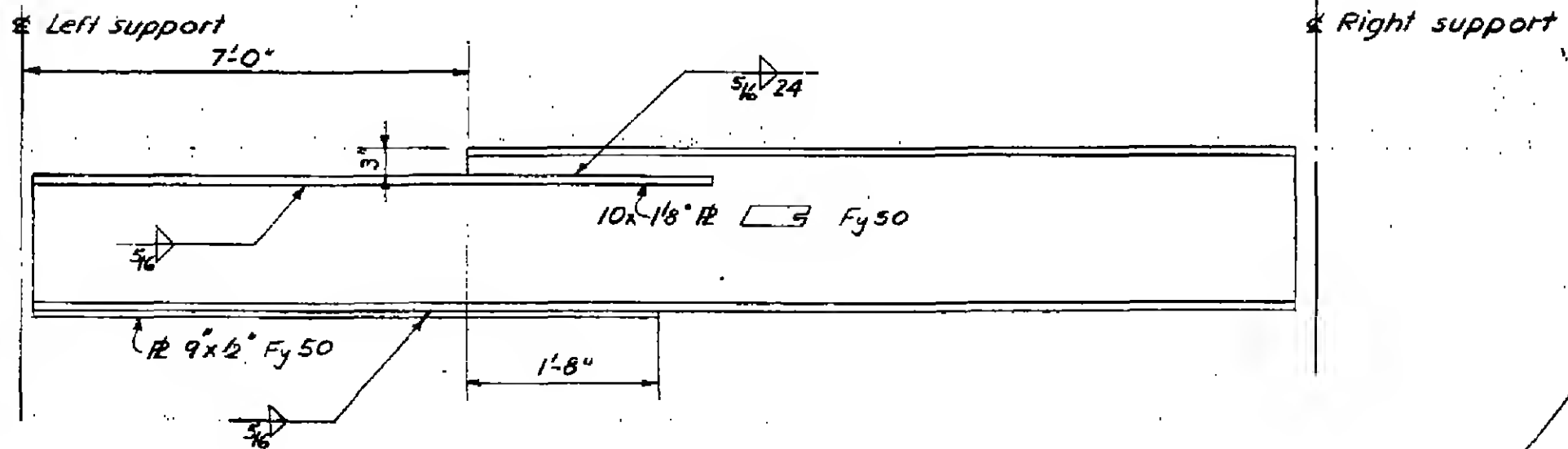
DATE 2-12-68

REVISIONS

5-7-68



Beam Type 464



Beam Type 466



PROJECT THE WORLD TRADE CENTER

TITLE STUDS-INDEX & GENERAL NOTES

DATE 11-9-67

REVISIONS

12-21-67

1-3-69

2-3-69

3-3-69

4-1-69

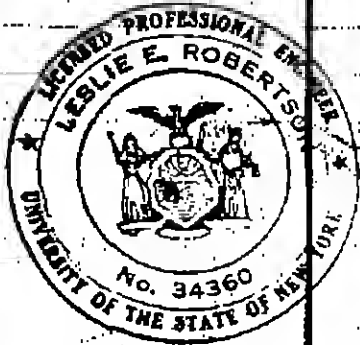
Printed 5-1-69

Index

5-AB3-1 Studs - Index & General Notes.
5-AB3-2 Studs - Typical Details.
5-AB3-3 Studs - Standard placement.
5-AB3-4 Studs - Standard placement.
5-AB3-5 Studs - Standard placement.

General Notes

1. Studs shall be manufactured from A151 grade C1015, C1017 or C1020 steel conforming to the requirements of ASTM A108.
2. Studs shall be applied by using a stud welding system providing a minimum current of 2000 amperes.
3. See beam elevations 6-AB8 for studs on perimeter core beams.



5-AB3-1

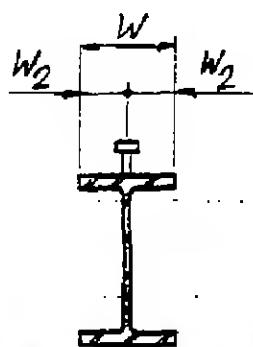
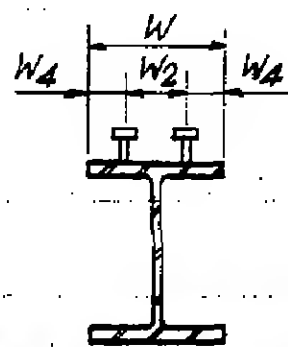
PROJECT THE WORLD TRADE CENTER

TITLE STUDS - TYPICAL DETAILS

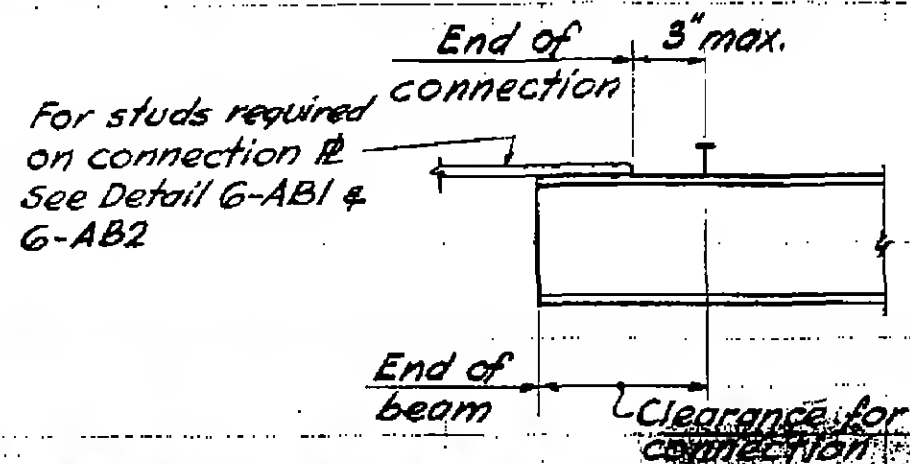
DATE 11-9-67

REVISIONS

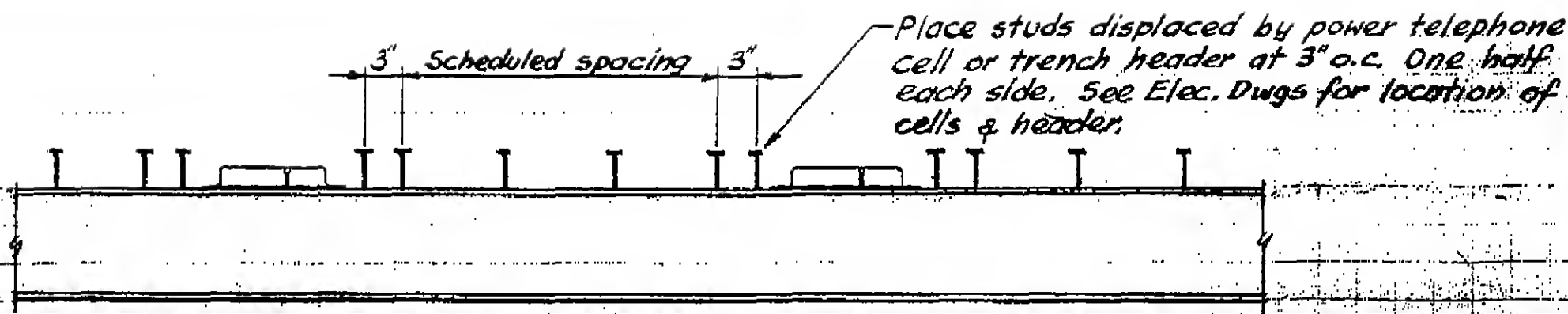
12-6-68

One row for $W \leq 9"$ Two rows for $W > 9"$

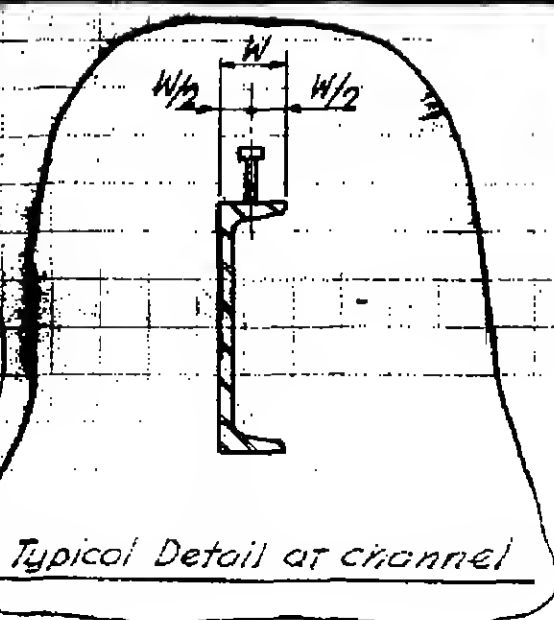
Typical Detail one row and two rows



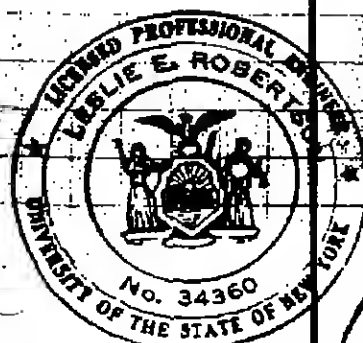
Typical Detail at connection



Typical Detail at beams crossed by power telephone



Typical Detail at channel



PROJECT

THE WORLD TRADE CENTER

TITLE

STUDS - STANDARD PLACEMENT

DATE

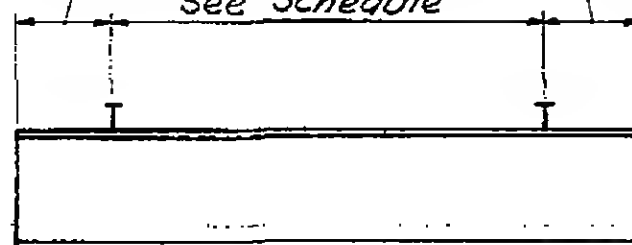
11-9-67

REVISIONS

12-21-67

Clearance for
connection

See Schedule

Clearance for
connection

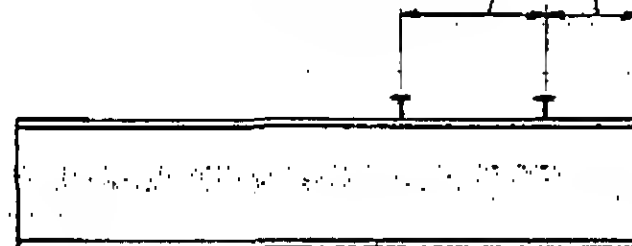
NOTE:

"A" typical for all
studs unless otherwise
noted.

Example: 39- $\frac{3}{4}$ x 3 (See Sch. 5-AB1.)

Placement A.

See Schedule

Clearance for
connection

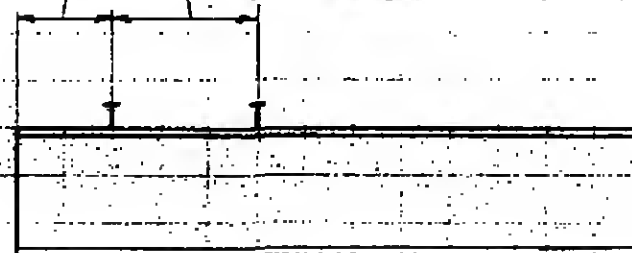
Right end

Example: 12- $\frac{3}{4}$ x 3 @ 4' B (See Sch. 5-AB1.)

Placement B.

Clearance for
connection

See Schedule

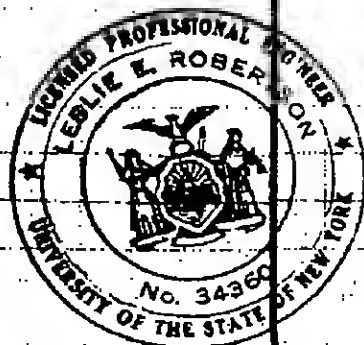


Left end

Example: 10- $\frac{3}{4}$ x 3 @ 6' C (See Sch. 5-AB1.)

Placement C.

Note: For Placement B and
Placement C, if spacing
is not shown in Sch. 5-AB1
it shall be between 4' and 6'.

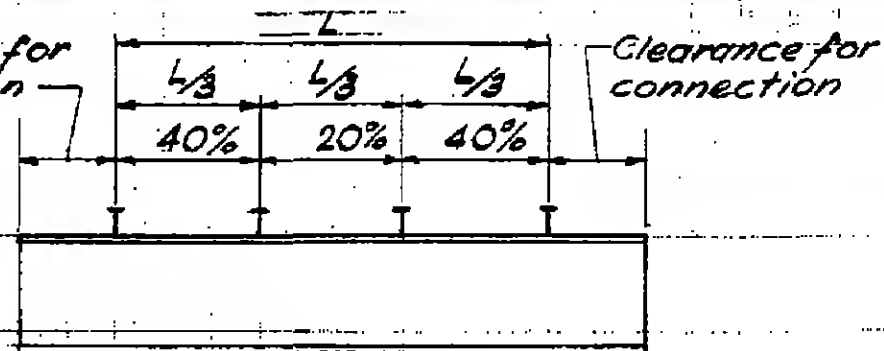
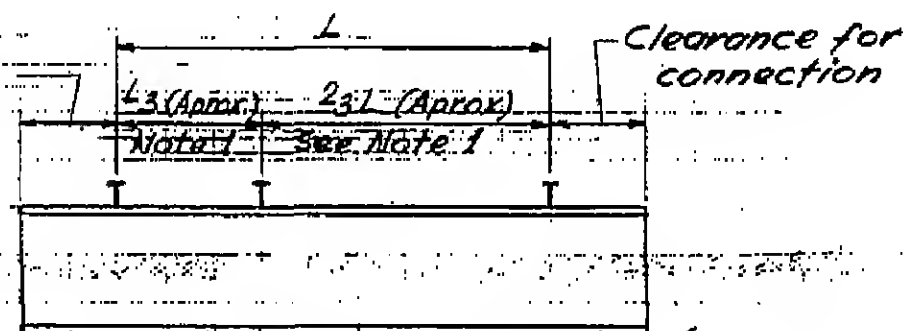


PROJECT THE WORLD TRADE CENTER

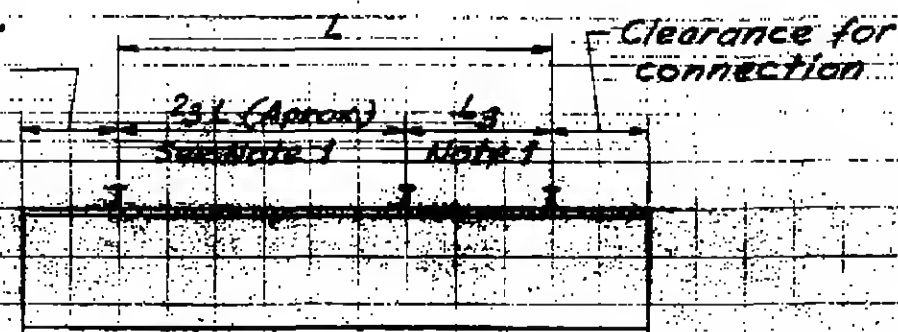
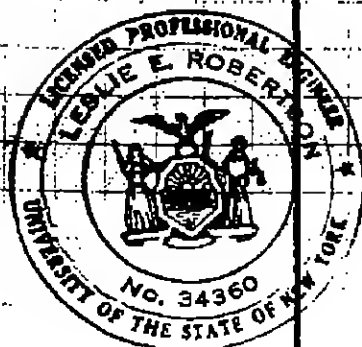
TITLE STUDS - STANDARD PLACEMENT

DATE 11-9-67

REVISIONS

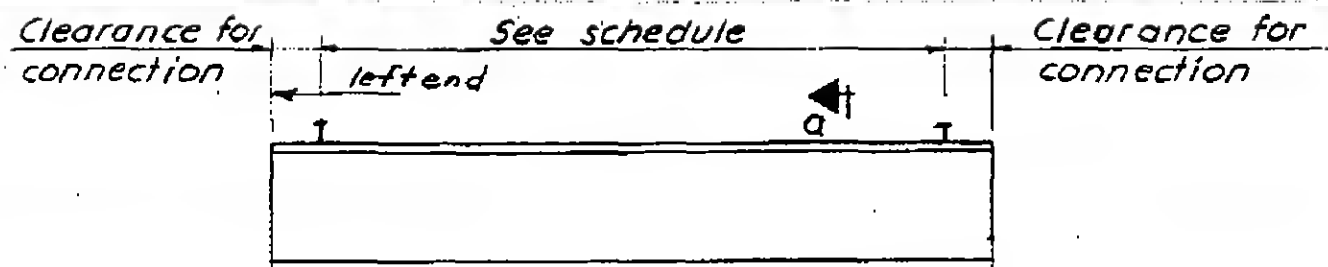
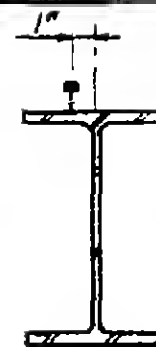
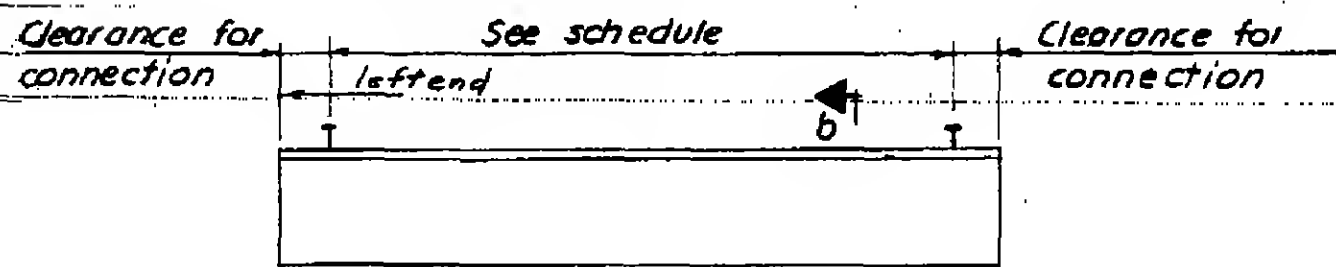
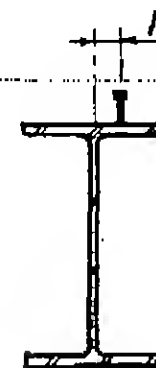
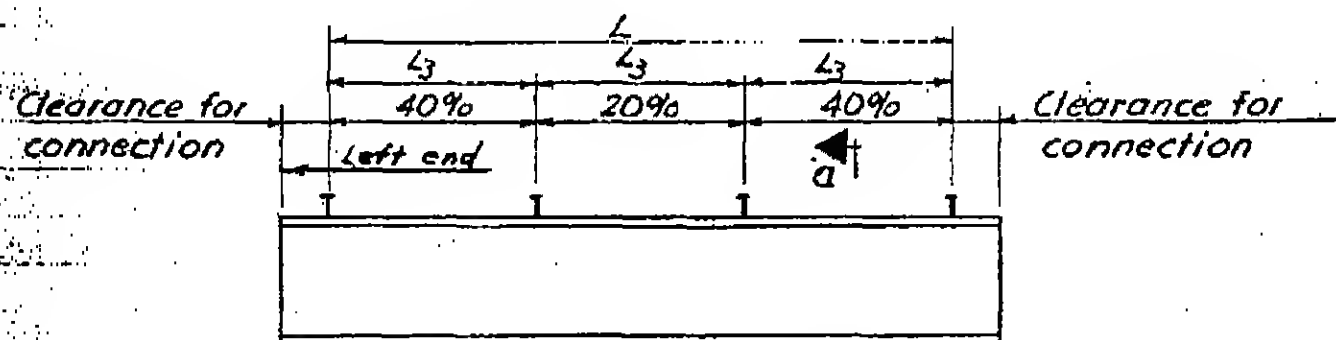
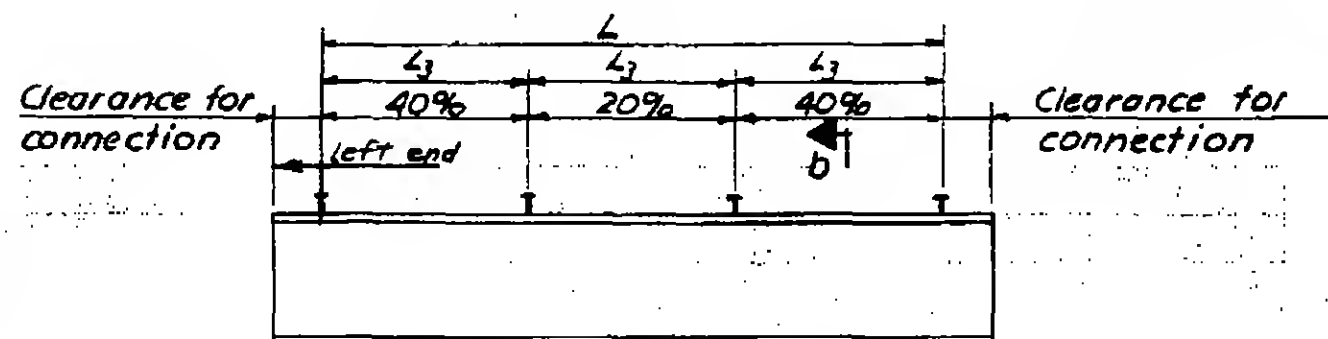
Clearance for
connectionExample: 24- $\frac{3}{4}$ x 3 D (See Sch. 5-AB1.)Placement D.Clearance for
connectionExample: 24- $\frac{3}{4}$ x 3 E
(See Sch. 5-AB1.)Placement E.

NOTE: 1

Place half of total
No. of Scheduled
Studs on this side.Clearance for
connectionExample: 24- $\frac{3}{4}$ x 3 F (See Sch. 5-AB1.)Placement F.

PROJECT THE WORLD TRADE CENTER TITLE STUDS - STANDARD PLACEMENTDATE 12-21-67

REVISIONS

Placement GExample: 39 - 3/4 x 36
(See Sch. 5-ABI)Section a-aPlacement HExample: 39 - 3/4 x 3 H
(See Sch. 5-ABI)Section b-bPlacement JExample: 39 - 3/4 x 3 J
(See Sch. 5-ABI)Placement KExample: 39 - 3/4 x 3 K
(See Sch. 5-ABI)