WORTHINGTON, SKILLING, HELLE & JACKSON — Civil & Structural Engineers

PROJECT THE WORLD TRADE CENTER | TITLE CONCRETE BEAM SCHEDULE | DATE 7-9-68

REVISIONS

3-16-70 GEN REV

6-25-70

NORTH PROJECTION

MK	CONCRETE SECTION W	CONCRETE SECTION D	BOTTOM BARS No.	BOTTOM BARS Size	BOTTOM BARS Type	TOP BARS No.	TOP BARS Size	TOP BARS Type	TOP BARS Location	STIRRUPS Size	STIRRUPS Type	STIRRUPS Spacing each end	REMARKS
NB1	24	27	4	7	A	2	8	G		3		L 1@6; bal. @12 R 1@4½; 6@9	
NB2	24	27	6	7	A	2 2	8 8	K G	Left	3		L 1@3; 8@6; bal. @12 R 1@6	
NB3	24	27	6	6	A	2	7	G		3		1@6; bal. @12	
NB4	24	27	6	6	A	2 2	7 7	K G	Left	3		1@6; bal. @12	
NB5	24	27	5	7	A	4 5	6 8	J L	Left Right	3		1@6; bal. @12	
NB6	24	27	4	7	A	5	8	L	Right	3		1@6; bal. @12	
NB7	20	27	5	7	A	4	6	J	Right	3		L 1@4; 6@8; bal. @12 R 1@6	
NB8	24	27	4	8	A	4 6	6 8	J L	Left Right	3		L 1@6; bal @12 R 1@4; 4@8	
NB9	24	27	4	8	A	6	8	K	Right	3		1@4½; 4@9; bal. @12	
NB10	19½	27	4	8	A	2 4	8 6	K J	Left Right	3		L 1@3; 6@6; bal @12 R 1@6	
NB11	24	27	3 2	8 7	A A	4 6	6 8	J L	Left Right	3		L 1@6; bal. @12 R 1@4; 6@8	
NB12	24	27	4	8	A	6	8	L	Right	3		1@4; 4@8; bal. @12	
NB13	24	27	3 2	8 7	A A	4 4	7 6	L J	Left Right	3		L 1@4; 6@8; bal. @12 R 1@6	
NB14	24	27	6	8	A	4 8	5 8	J L	Left Right	3		L 1@6; bal @12 R 1@2; 10@4; 6@6	
NB15	24	27	4	8	A	—	—	—		3		1@4½; 4@9; bal. @12	
NB16	24	27	6	8	A	8 4	8 6	L J	Left Right	3		L 1@3; 9@6; bal. @12 R 1@6	
NB17	24	27	6	8	A	4 5	6 8	J L	Left Right	3		L 1@6; bal @12 R 1@8; 10@6	
NB18	24	27	2 4	8 7	A A	4	6	J	Right	3		L 1@3; 10@6; bal. @12 R 1@6	
NB19	24	27	6	7	A	5 9	6 8	J L	Exterior Support Interior Support	3		L 1@6; bal @12 R 1@8; 10@6	
NB20	24	27	7	7	A	4	5	J	Exterior Support	3		L 1@2½; 10@3; 9@9; bal @12 R 1@6	
NB21	24	30	Top & Bott. Steel From NB22							3		1@4½; bal @9	Cantilever
NB22	24	30	4	8	C	5	7	H		3		L 1@4½; 14@9; bal @12 R 1@6	Extend top & bot bars to south end of NB 21
NB23	24	30	5	8	A	2 4	8 8	K J	Left Right	3		L 1@6; bal. @12 R 1@4; 12@8	
NB24	24	30	4 4	8 8	A B	4 4	9 9	G L	Right	3		L 1@9; 20@6; bal @12 R 1@6	
NB25	24	30	4 4	9 8	A A	4	9	L	Right	3		1@3; bal. @6	
NB26	24	30	4 4	8 8	A B	4	8	G		3		L 1@6; bal. @12 R 1@2½; 18@6½	
NB27	24	30	4 4	11 11	A B	5	11	G		3		L 1@2½; bal @7 R 1@2; 33@3½	
NB28	24	30	4 2	11 11	A D	5	11	H		3		L 1@2; 28@4 R 1@4; bal @7	See 8-JK8-22.17
NB29	24	32|81	See Detail on 8-JK8-22.17										
NB30	24	30	5	8	A	4 4	8 10	G K	Left	3		L 1@2, 14@4 R 1@6, bal @12	Extend GFR bars 2'-3" beyond col. 154 (See 8-JK8-22.17)
NB30A	14	20	3	8	A	2	8	N		3		1@4, bal @8	See 8-JK8-2.2 for det of beam to slurry wall connection bar
NB30B	14	20	3	8	A	2	6	G		3		1@4, bal @8	

Note: See 8-JK5-21 for typical beam detail and bar types

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

DRAWN G.K.

REVIEWED E.L.

8-JK5-22.1