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

PROJECT: THE WORLD TRADE CENTER | TITLE: DETAIL OF ELEVATOR SEPARATOR BEAMS | DATE: 5-26-69

REVISIONS
3-30-70
5-18-70

Elevator No.	Location of beams	Elevation at top of beam	BEAM Size	BEAM Length	END CONN. DETAILS Left	END CONN. DETAILS Right
J-4	North of J-4	321'-7"	6×4×⅜ □	9'-3"	A	A
		315'-4"				
		309'-1"				
		302'-10"				
		296'-7"				A
		290'-4"				A**
		287'-8"		9'-3"	A	C
C-9		309'-10"		8'-10"	C	A
		301'-10"		9'-3½"	A	
		293'-10"		8'-10"		
K-1	North of K-1	321'-7"		9'-3"		
		315'-4"		9'-3"		A
		309'-1"		9'-0"		***
		302'-10"		9'-3"		A
		296'-7"		9'-3"		A
		290'-4"		9'-0"		***
		287'-8"		9'-0"		***
K-2	West of K-2	303'-0"	6×4×⅜ □	8'-2½"		A
		293'-8"	12B19 (Fy=42)	8'-0½"		
		280'-8"	6×4×⅜ □			
		267'-8"				
		256'-8"				
		252'-0"				
		241'-0"	6×4×⅜ □	8'-0½"	A	A

Elevator No.	Location of beams	Elevation at top of beam	BEAM Size	BEAM Length	END CONN. DETAILS Left	END CONN. DETAILS Right
K-3, 4 & 5	South of K-3 South of K-4	323'-6"	6×4×⅜ □	9'-7"	A	A
		319'-6"		9'-4½"		
		309'-8"		9'-7"		
		303'-6"				
		293'-8"				
		284'-2"				
		274'-2"				
		264'-2"				
		252'-8"		9'-7"	A	A
	South of K-3	241'-8"		8'-10"	*	A**
	North of K-5	323'-6"		9'-7"	A	A
		319'-6"		9'-4½"		
		309'-8"		9'-7"		
		303'-6"				
		293'-8"				
		284'-2"				
		274'-2"				
		264'-2"				
		262'-6"				
		252'-8"		9'-7"	A	
		251'-6"		9'-5"	B	A
	South of K-4 North of K-5	241'-8"		8'-0"	*	A**
H-1, 2 & 3	Btw. H-1 & H-2 Btw. H-2 & H-3	321'-2"		9'-3½"	A	A
		307'-2"				
H-4, 5 & 6	Btw. H-4 & H-5 Btw. H-5 & H-6	321'-2"				
		307'-2"		9'-3½"		
H-7, 8 & 9	East of H-7 West of H-8 West of H-9 East of H-9	321'-2"		11'-5"		
		307'-2"		11'-5"		
		293'-2"		11'-5"		
H-10		321'-2"		10'-9"		
		307'-2"		10'-9"		
		293'-2"	C×4×⅜ □	10'-9"	A	A

NOTES:

1. * — no seat Pl & anchor req'd. Beam end embedded in pocket formed in foundation wall.
2. A** — indicates End Conn. Detail similar to Type A, except no seat Pl & anchor req'd.
3. See Dwgs 12-JK1-70 & 70A for type & detail of connection.
4. *** — Similar to Type A, with 7" embedment in concrete and base Pl = 4"×⅝"×0'-6" long.

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DESIGNED
DRAWN S.C.
REVIEWED E.L.

12-JK1-69A