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

PROJECT: THE WORLD TRADE CENTER | TITLE: BEAM CONNECTIONS TO SLURRY WALL-SCHEDULE I | DATE: 3-19-69

REVISIONS
3-31-69
4-18-69
5-29-69

FIELD CONNECTION DATA

Conn Det.	Steel Beam: Plan	Size	Elev.	Coord.	Detail Material: Angle A	A B	Weld C	Weld D	Dim E
A1	SJ-45	24WF160	262'-9"	N4868±	2 L5x3x3/8x1'-4"	18x3/4	5/16	–	4
A2		18WF85	262'-9"	N4862±	2 L5x3x3/8x0'-10"	18x3/4		–	4
A3		18WF85	262'-9"	N4857±		18x3/4		–	4
A4		18WF85	262'-9"	N4820±		18x3/4		–	4
A5		18WF85	262'-9"	N4815±	2 L5x3x3/8x0'-10"	18x3/4		–	4
A6	SJ-45	24WF160	262'-9"	N4809±	2 L5x3x3/8x1'-4"	18x3/4	5/16	–	4
B1	SK-50	30x261	262'-9"	W9895.00	2 L5x3x3/4x2'-0"	20x1/2	5/8	3/4	3
C1	SK-51	31x261	262'-9"	W9867.50	2 L5x5x5/8x2'-0"*	38x3/4	1/2	5/8	1/2
D1	SJ-75	24WF76	289'-5"	W9974.50	2 L5x3x7/16x1'-4"	–	3/8	–	4
D2		21WF55	289'-5"	W9960.00	2 L5x3x7/16x1'-2"	–	3/8	–	3 1/2
D3		21WF55	289'-5"	W9952.75	2 L5x3x7/16x1'-2"	–	3/8	–	3 1/2
E1		30WF99	289'-5"	W9940.00	L5x5x7/16x2'-0"	–	3/8	–	3
E2		30WF99	289'-5"	W9900.00	L 5x5x7/16x2'-0	–	3/8	–	3
H		27WF94	288'-1"	W9870.00	2 L5x3x7/16x1'-10"	–	–	–	–
F1		16WF40	288'-1"	W9863.33	See 12-JK5-9				
F2		21WF55	289'-7 1/2"	W9855.67	See 12-JK5-9				
D5		16B31	289'-5"	N5194.00	2 L5x3x7/16x1'-0"	–	3/8	–	2
D6		16B31	289'-5"	N5186.00	2 L5x3x7/16x1'-0"	–	3/8	–	2
D7		14B22	289'-5"	N5177.50	2 L5x3x7/16x0'-9"	–	3/8	–	2 1/2
C2		33WF152	288'-6"	N5147.50	2 L5x3x7/16x2'-2"	28x3/4	3/8	5/8	1/2
C3		33WF152	288'-6"	N5117.50	2 L5x3x7/16x2'-2"	28x3/4	3/8	5/8	1/2
C4		33WF152	288'-6"	N5087.50	2 L5x3x7/16x2'-2"	26x7/8	3/8	3/8	1/2
C5	SJ-75	33WF240	288'-6"	N5057.50	2 L5x5x5/8x2'-0"*	28x1 7/8	1/2	5/8	1/2

BEAM SUPPORT DATA

PNYA Desig.	Coordinates: North	West	Center Elev.	Deviations (in.): Tilt	Lean	Twist
GX1	4867.85	9796.34				
GX2	4861.05	9794.87				
GX3	4857.17	9793.97				
GX4	4819.67	9784.84				
GX5	4815.85	9783.78				
GX6	4809.30	9781.54				
L13E	4256.93	9895.64	260.98	0.06	0.12	0.20
L13W	4257.14	9899.61	260.87	0.16	0.08	0
L12E	4256.31	9866.50	261.12	0.06	0	0
L12W	4256.38	9870.63	261.10	0.10	0.06	0
V21	5202.60	9974.48	288.06	0	0.06	0
V22W	5201.78	9960.05	288.50	0	0	0
V22E	5201.27	9952.70	288.52	0	0.08	0
V23	5200.49	9940.38	288.46	0	0.08	0
V25	5199.31	9900.47	287.38	-0.12	0.10	0
V26	5197.95	9870.90	287.17	0.06	0.04	0
G1N	5194.01	9840.62	287.88	-0.22	0.08	0
G1S	5185.84	9840.52	287.84	0.44	-0.06	0
G2	5177.48	9840.32	287.86	-0.12	0.06	0
G3N(Top)	5150.83	9840.74	287.78	-0.08	0.06	0
G3S(Top)	5146.88	9840.77	287.86	0	0	0
G4S(Top)	5121.50	9840.77	288.12	0.16	0.04	0
G5	5116.80	9840.78	288.08	-0.12	0	0
G6N	5089.63	9840.47	287.49	0.04	0	0
G6S	5085.63	9840.40	288.10	0	0.04	0.20
G7	5060.72	9840.54	287.96	0.14	-0.10	0
G8	5054.94	9839.37	288.05	-0.30	0	0

1. * — Slot Ls per 12-JK5-6
2. See notes on 12-JK5-1
3. See details on 12-JK5-4 thru 11.

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12-JK5-2