Panel Schedules
Panel A
Tower
A1-300 – A1-508

WTC Drawing Book 4

A1–300 thru A1–508

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

PROJECT: THE WORLD TRADE CENTER. | TITLE: EXTERIOR WALL PANEL SCHEDULE | DATE: 6-5-67

REVISIONS

PANEL NUMBER	PANEL TYPE	COLUMN 1 TYPE	COL 1 FY1	COL 1 FY2	COL 1 CSU	COL 1 CSL	COLUMN 2 TYPE	COL 2 FY1	COL 2 FY2	COL 2 CSU	COL 2 CSL	COLUMN 3 TYPE	COL 3 FY1	COL 3 FY2	COL 3 CSU	COL 3 CSL
100A 68 66	216	127	100	100	491	491	529	100	100	0	0	129	90	90	491	491
300A 68 66	216	127	100	100	491	491	529	100	100	0	0	129	90	90	491	491

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SPAN FY4	SPAN SCL	SPAN SCR	WELDMENTS NO 5	WELD NO 6	WELD NO 7	SEAT DETAIL COL 1	SEAT COL 2	SEAT COL 3
100A 68 66	68	5/8	65	251	251	13/16X16	5/16	0	5410	5010	1313
300A 68 66	68	5/8	60	251	251	3/4 X16	5/16	0	5410	5010	1313

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SPAN FY4	SPAN SCL	SPAN SCR	WELDMENTS NO 5	WELD NO 6	WELD NO 7	SEAT DETAIL COL 1	SEAT COL 2	SEAT COL 3
100A 68 66	67	5/8	75	131	131	7/8 X16	3/8	1/4	5410	5010	1313
300A 68 66	67	5/8	70	131	131	7/8 X16	3/8	1/4	5410	5010	1313

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

4-A1-300

WORTHINGTON, SKILLING, HELLE & JACKSON Civil & Structural Engineers

PROJECT THE WORLD TRADE CENTER | TITLE EXTERIOR WALL PANEL SCHEDULE | DATE 6-5-67

REVISIONS

PANEL NUMBER	PANEL TYPE	COLUMN 1 TYPE	FY1	FY2	CSU	CSL	COLUMN 2 TYPE	FY1	FY2	CSU	CSL	COLUMN 3 TYPE	FY1	FY2	CSU	CSL
109A 69 66	307	134	60	60	441	442	135	60	60	442	442	135	60	60	442	442
118A 69 66	307	135	55	55	442	442	135	55	55	442	442	135	55	55	442	442
127A 69 66	307	135	55	55	442	442	135	55	55	442	442	135	55	55	442	442
133A 69 66	307	136	50	50	442	442	136	55	55	442	442	136	55	55	442	442
142A 69 66	307	135	60	60	442	492	135	60	60	442	492	135	60	60	492	492
151A 69 66	307	135	65	65	492	492	135	60	60	492	492	134	65	65	491	492

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	FY4	SCL	SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
109A 69 66	69	5/8	36	122	122	5/16X15	5/16	0	5210	1411	5210
118A 69 66	69	5/8	36	122	122	5/16X14	5/16	0	1411	5210	1411
127A 69 66	69	5/8	36	122	122	5/16X12	5/16	0	5110	1411	5210
133A 69 66	69	5/8	36	122	122	5/16X15	5/16	0	5210	1411	5110
142A 69 66	69	5/8	36	123	123	3/8 X16	5/16	0	1411	5210	1411
151A 69 66	69	5/8	42	123	123	3/8 X16	5/16	0	5210	1411	5210

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	FY4	SCL	SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
109A 69 66	68	5/8	42	242	242	1/2 X16	5/16	0	5210	1411	5210
118A 69 66	68	5/8	36	242	242	7/16X16	5/16	0	1411	5210	1411
127A 69 66	68	5/8	36	242	242	5/16X16	5/16	0	5110	1411	5210
133A 69 66	68	5/8	36	242	242	7/16X16	5/16	0	5210	1411	5110
142A 69 66	68	5/8	36	242	242	9/16X16	5/16	0	1411	5210	1411
151A 69 66	68	5/8	42	242	242	9/16X16	5/16	0	5210	1411	5210

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

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	FY4	SCL	SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
109A 69 66	67	5/8	42	123	123	9/16X16	5/16	0	5210	1411	5210
118A 69 66	67	5/8	42	123	123	1/2 X16	5/16	0	1411	5210	1411
127A 69 66	67	5/8	36	122	122	7/16X16	5/16	0	5110	1411	5210
133A 69 66	67	5/8	36	123	123	9/16X16	5/16	0	5210	1411	5110
142A 69 66	67	5/8	42	123	123	5/8 X16	5/16	0	1411	5210	1411
151A 69 66	67	5/8	45	123	123	11/16X16	5/16	0	5210	1411	5210

4-A1-201

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

PROJECT: THE WORLD TRADE CENTER | TITLE: EXTERIOR WALL PANEL SCHEDULE | DATE: 6-5-67

DIVISIONS

PANEL NUMBER	PANEL TYPE	COLUMN 1 TYPE	COL 1 FY1	COL 1 FY2	COL 1 CSU	COL 1 CSL	COLUMN 2 TYPE	COL 2 FY1	COL 2 FY2	COL 2 CSU	COL 2 CSL	COLUMN 3 TYPE	COL 3 FY1	COL 3 FY2	COL 3 CSU	COL 3 CSL
209A 69 66	307	124	100	100	441	491	124	100	100	441	441	124	100	100	441	441
218A 69 66	307	129	75	75	441	441	129	75	75	441	441	129	75	75	441	441
227A 69 66	307	128	75	75	431	431	128	75	75	431	431	128	75	75	431	431
233A 69 66	307	128	70	70	431	431	128	70	70	431	431	128	70	70	431	431
242A 69 66	307	129	65	65	431	441	129	65	65	431	441	129	65	65	441	441
251A 69 66	307	124	100	100	441	441	124	100	100	441	441	124	100	100	441	441

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	WELD NO 6	WELD NO 7	SEAT DETAIL COL 1	SEAT COL 2	SEAT COL 3
209A 69 66	69	5/8	65	123	122	3/8 X16	1/4	0	5010	5210	1212
218A 69 66	69	5/8	45	122	122	5/16X13	5/16	0	1611	5210	1111
227A 69 66	69	5/8	42	122	122	1/4 X15	1/4	0	5110	1111	5210
233A 69 66	69	5/8	42	122	122	1/4 X14	1/4	0	5210	1111	5110
242A 69 66	69	5/8	42	122	122	5/16X12	5/16	0	1111	5210	1611
251A 69 66	69	5/8	60	122	122	5/16X16	1/4	0	1212	5210	5010

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	WELD NO 6	WELD NO 7	SEAT DETAIL COL 1	SEAT COL 2	SEAT COL 3
209A 69 66	68	5/8	65	242	242	9/16X16	1/4	0	5010	5210	1212
218A 69 66	68	5/8	45	242	242	3/8 X16	5/16	0	1611	5210	1111
227A 69 66	68	5/8	45	241	241	3/8 X16	1/4	0	5110	1111	5210
233A 69 66	68	5/8	42	241	241	5/16X16	1/4	0	5210	1111	5110
242A 69 66	68	5/8	42	242	242	5/16X15	5/16	0	1111	5210	1611
251A 69 66	68	5/8	55	242	242	7/16X16	1/4	0	1212	5210	5010

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

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	WELD NO 6	WELD NO 7	SEAT DETAIL COL 1	SEAT COL 2	SEAT COL 3
209A 69 66	67	5/8	70	123	123	5/8 X16	5/16	0	5010	5210	1212
218A 69 66	67	5/8	55	123	122	7/16X16	5/16	0	1611	5210	1111
227A 69 66	67	5/8	50	122	122	7/16X16	1/4	0	5110	1111	5210
233A 69 66	67	5/8	50	122	122	3/8 X16	1/4	0	5210	1111	5110
242A 69 66	67	5/8	45	122	122	3/8 X16	5/16	0	1111	5210	1611
251A 69 66	67	5/8	65	123	123	9/16X16	1/4	0	1212	5210	5010

WORTHINGTON, SKILLING, HELLE & JACKSON Civil & Structural Engineers

PROJECT: THE WORLD TRADE CENTER | TITLE: EXTERIOR WALL PANEL SCHEDULE | DATE: 6-5-67

REVISIONS

PANEL NUMBER			PANEL TYPE	COLUMN 1 TYPE	COL 1 FY1	COL 1 FY2	COL 1 CSU	COL 1 CSL	COLUMN 2 TYPE	COL 2 FY1	COL 2 FY2	COL 2 CSU	COL 2 CSL	COLUMN 3 TYPE	COL 3 FY1	COL 3 FY2	COL 3 CSU	COL 3 CSL
309A	69	66	307	134	60	60	441	442	135	60	60	442	442	135	60	60	442	442
318A	69	66	307	135	60	60	442	442	135	60	60	442	442	135	60	60	442	442
327A	69	66	307	135	60	60	432	442	135	60	60	432	442	135	60	60	432	442
333A	69	66	307	136	60	60	442	442	136	60	60	442	442	136	60	60	442	442
342A	69	66	307	135	65	65	442	492	135	65	65	442	492	135	65	65	442	492
351A	69	66	307	135	65	65	492	492	135	60	60	492	492	134	65	65	491	492

PANEL NUMBER			FLOOR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	WELD NO 6	WELD NO 7	SEAT DETAIL COL 1	SEAT COL 2	SEAT COL 3
309A	69	66	69	5/8	36	122	122	5/16X15	5/16	0	5210	1411	5210
318A	69	66	69	5/8	36	122	122	5/16X14	5/16	0	1411	5210	1411
327A	69	66	69	5/8	36	122	122	5/16X12	5/16	0	5110	1411	5210
333A	69	66	69	5/8	36	122	122	5/16X14	5/16	0	5210	1411	5110
342A	69	66	69	5/8	42	123	123	3/8 X16	5/16	0	1411	5210	1411
351A	69	66	69	5/8	42	123	123	3/8 X16	5/16	0	5210	1411	5210

PANEL NUMBER			FLOOR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	WELD NO 6	WELD NO 7	SEAT DETAIL COL 1	SEAT COL 2	SEAT COL 3
309A	69	66	68	5/8	42	242	242	7/16X16	5/16	0	5210	1411	5210
318A	69	66	68	5/8	36	242	242	3/8 X16	5/16	0	1411	5210	1411
327A	69	66	68	5/8	36	242	242	5/16X16	5/16	0	5110	1411	5210
333A	69	66	68	5/8	42	242	242	7/16X16	5/16	0	5210	1411	5110
342A	69	66	68	5/8	42	242	242	9/16X16	5/16	0	1411	5210	1411
351A	69	66	68	5/8	42	242	242	9/16X16	5/16	0	5210	1411	5210

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

PANEL NUMBER			FLOOR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	WELD NO 6	WELD NO 7	SEAT DETAIL COL 1	SEAT COL 2	SEAT COL 3
309A	69	66	67	5/8	42	123	123	9/16X16	5/16	0	5210	1411	5210
318A	69	66	67	5/8	42	123	123	1/2 X16	5/16	0	1411	5210	1411
327A	69	66	67	5/8	42	122	122	7/16X16	5/16	0	5110	1411	5210
333A	69	66	67	5/8	42	123	123	9/16X16	5/16	0	5210	1411	5110
342A	69	66	67	5/8	45	123	123	5/8 X16	5/16	0	1411	5210	1411
351A	69	66	67	5/8	45	123	123	11/16X16	5/16	0	5210	1411	5210

4-A1-303

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

PROJECT	TITLE	DATE
THE WORLD TRADE CENTER	EXTERIOR WALL PANEL SCHEDULE	6-5-67

REVISIONS

PANEL NUMBER	PANEL TYPE	COLUMN 1 TYPE	COL 1 FY1	COL 1 FY2	COL 1 CSU	COL 1 CSL	COLUMN 2 TYPE	COL 2 FY1	COL 2 FY2	COL 2 CSU	COL 2 CSL	COLUMN 3 TYPE	COL 3 FY1	COL 3 FY2	COL 3 CSU	COL 3 CSL
409A 69 66	307	124	100	100	441	491	124	100	100	441	441	124	100	100	441	441
418A 69 66	307	129	65	65	441	441	129	65	65	441	441	129	65	65	441	441
427A 69 66	307	128	70	70	431	431	128	70	70	431	431	128	70	70	431	431
433A 69 66	307	128	75	75	431	431	128	75	75	431	431	128	75	75	431	431
442A 69 66	307	129	75	75	441	441	129	75	75	441	441	129	75	75	441	441
451A 69 66	307	124	100	100	441	441	124	100	100	441	441	124	100	100	441	441

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
409A 69 66	69	5/8	60	122	122	3/8 X16	1/4	0	5010	5210	1212
418A 69 66	69	5/8	42	122	122	5/16X13	5/16	0	1611	5210	1111
427A 69 66	69	5/8	42	122	122	1/4 X14	1/4	0	5110	1111	5210
433A 69 66	69	5/8	42	122	122	1/4 X15	1/4	0	5210	1111	5110
442A 69 66	69	5/8	42	122	122	5/16X12	5/16	0	1111	5210	1611
451A 69 66	69	5/8	65	122	122	3/8 X16	1/4	0	1212	5210	5010

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
409A 69 66	68	5/8	60	242	242	9/16X16	1/4	0	5010	5210	1212
418A 69 66	68	5/8	42	242	242	3/8 X16	5/16	0	1611	5210	1111
427A 69 66	68	5/8	42	241	241	3/8 X16	1/4	0	5110	1111	5210
433A 69 66	68	5/8	45	241	241	3/8 X16	1/4	0	5210	1111	5110
442A 69 66	68	5/8	45	242	242	3/8 X16	5/16	0	1111	5210	1611
451A 69 66	68	5/8	60	242	242	1/2 X16	1/4	0	1212	5210	5010

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
409A 69 66	67	5/8	70	123	123	5/8 X16	5/16	0	5010	5210	1212
418A 69 66	67	5/8	45	123	122	7/16X16	5/16	0	1611	5210	1111
427A 69 66	67	5/8	50	122	122	7/16X16	1/4	0	5110	1111	5210
433A 69 66	67	5/8	50	122	122	7/16X16	1/4	0	5210	1111	5110
442A 69 66	67	5/8	50	122	123	7/16X16	5/16	0	1111	5210	1611
451A 69 66	67	5/8	70	123	123	9/16X16	1/4	0	1212	5210	5010

REGISTERED PROFESSIONAL ENGINEER LESLIE E. ROBERTSON No. 34360 STATE OF NEW YORK

4-A1-304

WORTHINGTON, SKILLING, HELLE & JACKSON Civil & Structural Engineers

PROJECT: THE WORLD TRADE CENTER | TITLE: EXTERIOR WALL PANEL SCHEDULE | DATE: 6-5-67

REVISIONS

PANEL NUMBER			PANEL TYPE	COLUMN 1 TYPE	COL 1 FY1	COL 1 FY2	COL 1 CSU	COL 1 CSL	COLUMN 2 TYPE	COL 2 FY1	COL 2 FY2	COL 2 CSU	COL 2 CSL	COLUMN 3 TYPE	COL 3 FY1	COL 3 FY2	COL 3 CSU	COL 3 CSL
200A	69	67	214	129	85	85	491	491	529	100	100	0	0	127	100	100	491	491
400A	69	67	214	129	80	80	491	491	529	100	100	0	0	127	100	100	491	491

PANEL NUMBER			FLOOR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	WELD NO 6	WELD NO 7	SEAT DETAIL COL 1	COL 2	COL 3
200A	69	67	69	5/8	70	131	131	11/16X16	5/16	0	1313	5010	5610
400A	69	67	69	5/8	65	131	131	11/16X16	5/16	0	1313	5010	5610

PANEL NUMBER			FLOOR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	WELD NO 6	WELD NO 7	SEAT DETAIL COL 1	COL 2	COL 3
200A	69	67	68	5/8	65	251	251	7/8 X16	5/16	0	1313	5010	5610
400A	69	67	68	5/8	65	251	251	7/8 X16	5/16	0	1313	5010	5610

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

4-A1-305

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

PROJECT: THE WORLD TRADE CENTER | TITLE: EXTERIOR WALL PANEL SCHEDULE | DATE: 6-5-67

REVISIONS

PANEL NUMBER	PANEL TYPE	COLUMN 1 TYPE	COL 1 FY1	COL 1 FY2	COL 1 CSU	COL 1 CSL	COLUMN 2 TYPE	COL 2 FY1	COL 2 FY2	COL 2 CSU	COL 2 CSL	COLUMN 3 TYPE	COL 3 FY1	COL 3 FY2	COL 3 CSU	COL 3 CSL
106A 70 67	304	132	60	60	441	441	132	55	55	441	441	132	55	55	441	441
115A 70 67	304	135	50	50	442	442	135	50	50	442	442	135	50	50	442	442
124A 70 67	304	135	50	50	442	442	135	50	50	432	442	135	50	50	432	442
136A 70 67	304	135	50	50	442	442	135	50	50	442	442	135	50	50	442	442
145A 70 67	304	135	55	55	492	492	135	55	55	492	492	135	55	55	492	492
154A 70 67	304	132	60	60	491	491	132	60	60	491	491	132	60	60	491	491

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	WELD NO 6	WELD NO 7	SEAT DETAIL COL 1	SEAT COL 2	SEAT COL 3
106A 70 67	70	5/8	42	122	122	5/16X14	5/16	0	1311	5110	1411
115A 70 67	70	5/8	36	122	122	5/16X14	5/16	0	5110	1411	5110
124A 70 67	70	5/8	36	122	122	5/16X12	5/16	0	1411	5110	1411
136A 70 67	70	5/8	36	122	122	5/16X15	5/16	0	1411	5110	1411
145A 70 67	70	5/8	36	123	123	3/8 X16	5/16	0	5110	1411	5110
154A 70 67	70	5/8	42	123	123	3/8 X16	5/16	0	1411	5110	1311

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	WELD NO 6	WELD NO 7	SEAT DETAIL COL 1	SEAT COL 2	SEAT COL 3
106A 70 67	69	5/8	42	122	122	5/16X15	5/16	0	1311	5110	1411
~~115A 70 67~~	~~69~~	~~5/8~~	~~36~~	~~122~~	~~122~~	~~5/16X15~~	~~5/16~~	~~0~~	~~5110~~	~~1411~~	~~5110~~
124A 70 67	69	5/8	36	122	122	5/16X13	5/16	0	1411	5110	1411
136A 70 67	69	5/8	36	122	123	5/16X16	5/16	0	1411	5110	1411
145A 70 67	69	5/8	42	123	123	3/8 X16	5/16	0	5110	1411	5110
154A 70 67	69	5/8	42	123	123	3/8 X16	5/16	0	1411	5110	1311

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

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	WELD NO 6	WELD NO 7	SEAT DETAIL COL 1	SEAT COL 2	SEAT COL 3
106A 70 67	68	5/8	42	242	242	7/16X16	5/16	0	1311	5110	1411
115A 70 67	68	5/8	36	242	242	7/16X16	5/16	0	5110	1411	5110
124A 70 67	68	5/8	36	242	242	3/8 X16	5/16	0	1411	5110	1411
136A 70 67	68	5/8	36	242	242	1/2 X16	5/16	0	1411	5110	1411
145A 70 67	68	5/8	36	242	242	9/16X16	5/16	0	5110	1411	5110
154A 70 67	68	5/8	42	242	242	9/16X16	5/16	0	1411	5110	1311

4-A1-306

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

PROJECT: THE WORLD TRADE CENTER | TITLE: EXTERIOR WALL PANEL SCHEDULE | DATE: 6-5-67

REVISIONS

PANEL NUMBER	PANEL TYPE	COLUMN 1 TYPE	COL 1 FY1	COL 1 FY2	COL 1 CSU	COL 1 CSL	COLUMN 2 TYPE	COL 2 FY1	COL 2 FY2	COL 2 CSU	COL 2 CSL	COLUMN 3 TYPE	COL 3 FY1	COL 3 FY2	COL 3 CSU	COL 3 CSL
206A 70 67	304	123	100	100	441	491	124	100	100	441	441	124	100	100	441	441
215A 70 67	304	126	80	80	441	441	128	70	70	441	441	129	70	70	441	441
224A 70 67	304	128	70	70	431	431	128	65	65	431	431	128	65	65	431	431
236A 70 67	304	128	60	60	431	431	128	60	60	431	431	128	60	60	431	431
245A 70 67	304	129	60	60	441	441	128	65	65	441	441	126	70	70	441	441
254A 70 67	304	124	85	85	441	441	124	85	85	441	441	123	90	90	441	441

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	WD NO 6	WD NO 7	SEAT DETAIL COL 1	SEAT COL 2	SEAT COL 3
206A 70 67	70	5/8	65	122	122	3/8 X16	1/4	0	5110	1212	5110
215A 70 67	70	5/8	50	122	122	3/8 X16	1/4	0	1212	5510	5110
224A 70 67	70	5/8	46	122	122	1/4 X15	1/4	0	1111	5110	1111
236A 70 67	70	5/8	42	122	122	1/4 X14	1/4	0	1111	5110	1111
245A 70 67	70	5/8	45	122	122	5/16X16	1/4	0	5110	5310	1212
254A 70 67	70	5/8	60	122	122	5/16X16	1/4	0	5110	1212	5110

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	WD NO 6	WD NO 7	SEAT DETAIL COL 1	SEAT COL 2	SEAT COL 3
206A 70 67	69	5/8	65	123	123	3/8 X16	1/4	0	5110	1212	5110
215A 70 67	69	5/8	55	122	122	3/8 X16	1/4	0	1212	5510	5110
224A 70 67	69	5/8	45	122	122	5/16X16	1/4	0	1111	5110	1111
236A 70 67	69	5/8	42	122	122	1/4 X15	1/4	0	1111	5110	1111
245A 70 67	69	5/8	46	122	122	5/16X16	1/4	0	5110	5310	1212
254A 70 67	69	5/8	60	122	122	5/16X16	1/4	0	5110	1212	5110

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

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	WD NO 6	WD NO 7	SEAT DETAIL COL 1	SEAT COL 2	SEAT COL 3
206A 70 67	68	5/8	70	242	242	9/16X16	1/4	0	5110	1212	5110
215A 70 67	68	5/8	55	242	242	1/2 X16	1/4	0	1212	5510	5110
224A 70 67	68	5/8	46	242	241	7/16X16	1/4	0	1111	5110	1111
236A 70 67	68	5/8	42	241	241	3/8 X16	1/4	0	1111	5110	1111
245A 70 67	68	5/8	50	242	242	7/16X16	1/4	0	5110	5310	1212
254A 70 67	68	5/8	65	242	242	7/16X16	1/4	0	5110	1212	5110

4-A1-307

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

PROJECT	TITLE	DATE
THE WORLD TRADE CENTER	EXTERIOR WALL PANEL SCHEDULE	6-5-67

REVISIONS

PANEL NUMBER	PANEL TYPE	COLUMN 1 TYPE	COL 1 FY1	COL 1 FY2	COL 1 CSU	COL 1 CSL	COLUMN 2 TYPE	COL 2 FY1	COL 2 FY2	COL 2 CSU	COL 2 CSL	COLUMN 3 TYPE	COL 3 FY1	COL 3 FY2	COL 3 CSU	COL 3 CSL
306A 70 67	304	132	55	55	441	441	132	55	55	441	441	132	55	55	441	441
315A 70 67	304	135	50	50	442	442	135	50	50	442	442	135	50	50	442	442
324A 70 67	304	135	50	50	432	442	135	50	50	432	442	135	50	50	432	442
336A 70 67	304	135	55	55	442	442	135	55	55	442	442	135	55	55	442	442
345A 70 67	304	135	55	55	442	492	135	55	55	442	492	135	55	55	442	492
354A 70 67	304	132	60	60	441	491	132	60	60	441	491	132	60	60	441	491

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	WELD NO 6	WELD NO 7	SEAT DETAIL COL 1	SEAT COL 2	SEAT COL 3
306A 70 67	70	5/8	42	122	122	5/16X14	5/16	0	1311	5110	1411
315A 70 67	70	5/8	36	122	122	5/16X14	5/16	0	5110	1411	5110
324A 70 67	70	5/8	36	122	122	5/16X12	5/16	0	1411	5110	1411
336A 70 67	70	5/8	36	122	122	5/16X14	5/16	0	1411	5110	1411
345A 70 67	70	5/8	42	123	123	3/8 X16	5/16	0	5110	1411	5110
354A 70 67	70	5/8	42	123	123	5/16X16	5/16	0	1411	5110	1311

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	WELD NO 6	WELD NO 7	SEAT DETAIL COL 1	SEAT COL 2	SEAT COL 3
306A 70 67	69	5/8	42	122	122	5/16X14	5/16	0	1311	5110	1411
315A 70 67	69	5/8	36	122	122	5/16X14	5/16	0	5110	1411	5110
324A 70 67	69	5/8	36	122	122	5/16X12	5/16	0	1411	5110	1411
336A 70 67	69	5/8	36	122	122	5/16X15	5/16	0	1411	5110	1411
345A 70 67	69	5/8	42	123	123	3/8 X16	5/16	0	5110	1411	5110
354A 70 67	69	5/8	42	123	123	3/8 X16	5/16	0	1411	5110	1311

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

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	WELD NO 6	WELD NO 7	SEAT DETAIL COL 1	SEAT COL 2	SEAT COL 3
306A 70 67	68	5/8	42	242	242	7/16X16	5/16	0	1311	5110	1411
315A 70 67	68	5/8	36	242	242	7/16X16	5/16	0	5110	1411	5110
324A 70 67	68	5/8	36	242	242	5/16X16	5/16	0	1411	5110	1411
336A 70 67	68	5/8	42	242	242	1/2 X16	5/16	0	1411	5110	1411
345A 70 67	68	5/8	42	242	242	9/16X16	5/16	0	5110	1411	5110
354A 70 67	68	5/8	42	242	242	9/16X16	5/16	0	1411	5110	1311

4-A1-308

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

PROJECT: THE WORLD TRADE CENTER | TITLE: EXTERIOR WALL PANEL SCHEDULE | DATE: 6-5-67

EVISIONS

PANEL NUMBER	PANEL TYPE	COLUMN 1 TYPE	COL 1 FY1	COL 1 FY2	COL 1 CSU	COL 1 CSL	COLUMN 2 TYPE	COL 2 FY1	COL 2 FY2	COL 2 CSU	COL 2 CSL	COLUMN 3 TYPE	COL 3 FY1	COL 3 FY2	COL 3 CSU	COL 3 CSL
406A 70 67	304	123	100	100	441	441	124	90	90	441	441	124	90	90	441	441
415A 70 67	304	126	75	75	441	441	128	65	65	441	441	129	60	60	441	441
424A 70 67	304	128	60	60	431	431	128	60	60	431	431	128	60	60	431	431
436A 70 67	304	128	65	65	431	431	128	65	65	431	431	128	65	65	431	431
445A 70 67	304	129	70	70	441	441	128	70	70	441	441	126	80	80	441	441
454A 70 67	304	124	90	90	441	441	124	90	90	441	441	123	100	100	441	441

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SPD FY4	SPD SCL	SPD SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
406A 70 67	70	5/8	60	122	122	3/8 X16	1/4	0	5110	1212	5110
415A 70 67	70	5/8	46	122	122	5/16X16	1/4	0	1212	5510	5110
424A 70 67	70	5/8	42	122	122	1/4 X15	1/4	0	1111	5110	1111
436A 70 67	70	5/8	45	122	122	1/4 X15	1/4	0	1111	5110	1111
445A 70 67	70	5/8	50	122	122	5/16X16	1/4	0	5110	5310	1212
454A 70 67	70	5/8	60	122	122	5/16X16	1/4	0	5110	1212	5110

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SPD FY4	SPD SCL	SPD SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
406A 70 67	69	5/8	65	123	122	3/8 X16	1/4	0	5110	1212	5110
415A 70 67	69	5/8	46	122	122	3/8 X16	1/4	0	1212	5510	5110
424A 70 67	69	5/8	42	122	122	1/4 X16	1/4	0	1111	5110	1111
436A 70 67	69	5/8	45	122	122	5/16X16	1/4	0	1111	5110	1111
445A 70 67	69	5/8	50	122	122	3/8 X16	1/4	0	5110	5310	1212
454A 70 67	69	5/8	65	122	122	3/8 X16	1/4	0	5110	1212	5110

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SPD FY4	SPD SCL	SPD SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
406A 70 67	68	5/8	65	242	242	9/16X16	1/4	0	5110	1212	5110
415A 70 67	68	5/8	50	242	242	1/2 X16	1/4	0	1212	5510	5110
424A 70 67	68	5/8	42	242	241	7/16X16	1/4	0	1111	5110	1111
436A 70 67	68	5/8	45	241	242	3/8 X16	1/4	0	1111	5110	1111
445A 70 67	68	5/8	55	242	242	1/2 X16	1/4	0	5110	5310	1212
454A 70 67	68	5/8	65	242	242	1/2 X16	1/4	0	5110	1212	5110

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

4-A1-309

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

PROJECT: THE WORLD TRADE CENTER | TITLE: EXTERIOR WALL PANEL SCHEDULE | DATE: 6-5-67

REVISIONS

PANEL NUMBER	PANEL TYPE	COLUMN 1 TYPE	COL 1 FY1	COL 1 FY2	COL 1 CSU	COL 1 CSL	COLUMN 2 TYPE	COL 2 FY1	COL 2 FY2	COL 2 CSU	COL 2 CSL	COLUMN 3 TYPE	COL 3 FY1	COL 3 FY2	COL 3 CSU	COL 3 CSL
100A 70 68	210	126	100	100	491	491	529	100	100	0	0	129	80	80	491	491
300A 70 68	210	126	90	90	491	491	529	90	90	0	0	129	80	80	491	491

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SPD FY4	SPD SCL	SPD SCR	WELDMENTS NO 5	WELD NO 6	WELD NO 7	SEAT DETAIL COL 1	SEAT COL 2	SEAT COL 3
100A 70 68	70	5/8	65	131	131	9/16X16	5/16	0	5410	5010	1313
300A 70 68	70	5/8	60	131	131	9/16X16	5/16	0	5410	5010	1313

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SPD FY4	SPD SCL	SPD SCR	WELDMENTS NO 5	WELD NO 6	WELD NO 7	SEAT DETAIL COL 1	SEAT COL 2	SEAT COL 3
100A 70 68	69	5/8	65	131	131	5/8 X16	5/16	0	5410	5010	1313
300A 70 68	69	5/8	60	131	131	9/16X16	5/16	0	5410	5010	1313

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

4-A1-310

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

PROJECT: THE WORLD TRADE CENTER | TITLE: EXTERIOR WALL PANEL SCHEDULE | DATE: 6-5-67

VISIONS

PANEL NUMBER	PANEL TYPE	COLUMN 1 TYPE	COL 1 FY1	COL 1 FY2	COL 1 CSU	COL 1 CSL	COLUMN 2 TYPE	COL 2 FY1	COL 2 FY2	COL 2 CSU	COL 2 CSL	COLUMN 3 TYPE	COL 3 FY1	COL 3 FY2	COL 3 CSU	COL 3 CSL
103A 71 68	300	126	80	80	441	491	128	65	65	441	441	129	65	65	441	441
112A 71 68	300	134	50	50	442	442	134	50	50	442	442	134	50	50	442	442
121A 71 68	300	134	50	50	442	442	134	50	50	442	442	134	50	50	442	442
130A 71 68	300	135	45	45	432	442	135	45	45	432	442	135	45	45	442	442
139A 71 68	300	135	50	50	442	442	135	50	50	442	442	135	50	50	442	442
148A 71 68	300	134	55	55	492	492	134	55	55	492	492	134	55	55	492	492
157A 71 68	300	129	65	65	441	491	128	70	70	441	491	126	85	85	491	491

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	WD NO 6	WD NO 7	SEAT DETAIL COL 1	SEAT COL 2	SEAT COL 3
103A 71 68	71	9/16	60	131	122	7/16X16	1/4	0	5110	1311	5210
112A 71 68	71	9/16	36	122	122	5/16X14	5/16	0	1511	5210	1411
121A 71 68	71	9/16	36	122	122	5/16X13	5/16	0	5210	1411	5210
130A 71 68	71	9/16	36	122	122	5/16X12	5/16	0	1411	5210	1411
139A 71 68	71	9/16	36	122	122	5/16X15	5/16	0	5210	1411	5210
148A 71 68	71	9/16	42	123	123	3/8 X16	5/16	0	1411	5210	1511
157A 71 68	71	9/16	65	123	131	1/2 X16	5/16	0	5210	1311	5110

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	WD NO 6	WD NO 7	SEAT DETAIL COL 1	SEAT COL 2	SEAT COL 3
103A 71 68	70	5/8	60	131	122	7/16X16	1/4	0	5110	1311	5210
112A 71 68	70	5/8	36	122	122	5/16X14	5/16	0	1511	5210	1411
121A 71 68	70	5/8	36	122	122	5/16X13	5/16	0	5210	1411	5210
130A 71 68	70	5/8	36	122	122	5/16X13	5/16	0	1411	5210	1411
139A 71 68	70	5/8	36	122	123	5/16X16	5/16	0	5210	1411	5210
148A 71 68	70	5/8	42	123	123	3/8 X16	5/16	0	1411	5210	1511
157A 71 68	70	5/8	65	123	131	1/2 X16	5/16	0	5210	1311	5110

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

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	WD NO 6	WD NO 7	SEAT DETAIL COL 1	SEAT COL 2	SEAT COL 3
103A 71 68	69	5/8	65	131	122	1/2 X16	1/4	0	5110	1311	5210
112A 71 68	69	5/8	36	122	122	5/16X15	5/16	0	1511	5210	1411
121A 71 68	69	5/8	36	122	122	5/16X14	5/16	0	5210	1411	5210
130A 71 68	69	5/8	36	122	122	5/16X13	5/16	0	1411	5210	1411
139A 71 68	69	5/8	36	123	123	3/8 X16	5/16	0	5210	1411	5210
148A 71 68	69	5/8	42	123	123	3/8 X16	5/16	0	1411	5210	1511
157A 71 68	69	5/8	65	123	131	9/16X16	5/16	0	5210	1311	5110

4-A1-311

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

PROJECT: THE WORLD TRADE CENTER | TITLE: EXTERIOR WALL PANEL SCHEDULE | DATE: 6-5-67

REVISIONS

PANEL NUMBER	PANEL TYPE	COLUMN 1 TYPE	C1 FY1	C1 FY2	C1 CSU	C1 CSL	COLUMN 2 TYPE	C2 FY1	C2 FY2	C2 CSU	C2 CSL	COLUMN 3 TYPE	C3 FY1	C3 FY2	C3 CSU	C3 CSL
203A 71 68	300	123	100	100	491	491	123	100	100	441	441	123	100	100	441	441
212A 71 68	300	124	90	90	441	441	124	85	85	441	441	125	80	80	441	441
221A 71 68	300	129	65	65	431	441	129	65	65	431	431	128	65	65	431	431
230A 71 68	300	128	65	65	431	431	128	65	65	431	431	128	60	60	431	431
239A 71 68	300	128	55	55	431	431	129	55	55	431	431	129	60	60	431	431
248A 71 68	300	125	70	70	441	441	124	80	80	441	441	124	80	80	441	441
257A 71 68	300	123	85	85	441	441	123	100	100	441	441	123	100	100	441	491

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	FY4	SCL	SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
203A 71 68	71	9/16	85	131	122	7/16X16	1/4	0	1013	5210	5010
212A 71 68	71	9/16	65	122	122	3/8 X16	1/4	0	5210	5010	5210
221A 71 68	71	9/16	45	122	122	5/16X16	1/4	0	5210	1111	5210
230A 71 68	71	9/16	42	121	121	1/4 X12	1/4	0	1111	5210	1111
239A 71 68	71	9/16	42	122	122	1/4 X15	1/4	0	5210	1111	5210
248A 71 68	71	9/16	55	122	122	5/16X16	1/4	0	5210	5010	5210
257A 71 68	71	9/16	80	122	131	3/8 X16	1/4	0	5010	5210	1013

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	FY4	SCL	SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
203A 71 68	70	5/8	80	131	122	7/16X16	1/4	0	1013	5210	5010
212A 71 68	70	5/8	60	122	122	3/8 X16	1/4	0	5210	5010	5210
221A 71 68	70	5/8	45	122	122	5/16X16	1/4	0	5210	1111	5210
230A 71 68	70	5/8	45	122	121	1/4 X13	1/4	0	1111	5210	1111
239A 71 68	70	5/8	42	122	122	1/4 X15	1/4	0	5210	1111	5210
248A 71 68	70	5/8	55	122	122	5/16X16	1/4	0	5210	5010	5210
257A 71 68	70	5/8	75	122	131	3/8 X16	1/4	0	5010	5210	1013

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

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	FY4	SCL	SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
203A 71 68	69	5/8	80	131	123	1/2 X16	5/16	0	1013	5210	5010
212A 71 68	69	5/8	60	122	122	3/8 X16	1/4	0	5210	5010	5210
221A 71 68	69	5/8	45	122	122	5/16X16	1/4	0	5210	1111	5210
230A 71 68	69	5/8	42	122	122	1/4 X13	1/4	0	1111	5210	1111
239A 71 68	69	5/8	42	122	122	5/16X16	1/4	0	5210	1111	5210
248A 71 68	69	5/8	55	122	122	5/16X16	1/4	0	5210	5010	5210
257A 71 68	69	5/8	75	122	131	7/16X16	1/4	0	5010	5210	1013

4-A1-312

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

PROJECT: THE WORLD TRADE CENTER | TITLE: EXTERIOR WALL PANEL SCHEDULE | DATE: 6-5-67

REVISIONS

PANEL NUMBER	PANEL TYPE	COLUMN 1 TYPE	COL 1 FY1	COL 1 FY2	COL 1 CSU	COL 1 CSL	COLUMN 2 TYPE	COL 2 FY1	COL 2 FY2	COL 2 CSU	COL 2 CSL	COLUMN 3 TYPE	COL 3 FY1	COL 3 FY2	COL 3 CSU	COL 3 CSL
303A 71 68	300	126	75	75	441	491	128	65	65	441	441	129	60	60	441	441
312A 71 68	300	134	55	55	442	442	134	55	55	442	442	134	55	55	442	442
321A 71 68	300	134	50	50	442	442	134	50	50	442	442	134	50	50	442	442
330A 71 68	300	135	50	50	432	442	135	50	50	432	442	135	50	50	442	442
339A 71 68	300	135	55	55	442	442	135	55	55	442	442	135	55	55	442	442
348A 71 68	300	134	55	55	442	492	134	55	55	442	492	134	55	55	442	492
357A 71 68	300	129	65	65	441	491	128	70	70	441	491	126	80	80	491	491

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SPAN FY4	SPAN SCL	SPAN SCR	WELDMENTS NO 5	WELD NO 6	WELD NO 7	SEAT DETAIL COL 1	SEAT COL 2	SEAT COL 3
303A 71 68	71	9/16	60	131	122	7/16X16	1/4	0	5110	1311	5210
312A 71 68	71	9/16	36	122	122	5/16X14	5/16	0	1511	5210	1411
321A 71 68	71	9/16	36	122	122	5/16X12	5/16	0	5210	1411	5210
330A 71 68	71	9/16	42	122	122	5/16X12	5/16	0	1411	5210	1411
339A 71 68	71	9/16	42	122	122	5/16X15	5/16	0	5210	1411	5210
348A 71 68	71	9/16	42	122	123	5/16X16	5/16	0	1411	5210	1511
357A 71 68	71	9/16	65	122	131	1/2 X16	1/4	0	5210	1311	5110

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SPAN FY4	SPAN SCL	SPAN SCR	WELDMENTS NO 5	WELD NO 6	WELD NO 7	SEAT DETAIL COL 1	SEAT COL 2	SEAT COL 3
303A 71 68	70	5/8	60	131	122	7/16X16	1/4	0	5110	1311	5210
~~312A 71 68~~	~~70~~	~~5/8~~	~~36~~	~~122~~	~~122~~	~~5/16X14~~	~~5/16~~	~~0~~	~~1511~~	~~5210~~	~~1411~~
321A 71 68	70	5/8	36	122	122	5/16X12	5/16	0	5210	1411	5210
330A 71 68	70	5/8	36	122	122	5/16X12	5/16	0	1411	5210	1411
339A 71 68	70	5/8	36	122	122	5/16X15	5/16	0	5210	1411	5210
348A 71 68	70	5/8	42	123	123	3/8 X16	5/16	0	1411	5210	1511
357A 71 68	70	5/8	65	123	131	1/2 X16	1/4	0	5210	1311	5110

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

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SPAN FY4	SPAN SCL	SPAN SCR	WELDMENTS NO 5	WELD NO 6	WELD NO 7	SEAT DETAIL COL 1	SEAT COL 2	SEAT COL 3
303A 71 68	69	5/8	60	131	122	7/16X16	1/4	0	5110	1311	5210
312A 71 68	69	5/8	36	122	122	5/16X15	5/16	0	1511	5210	1411
321A 71 68	69	5/8	36	122	122	5/16X13	5/16	0	5210	1411	5210
330A 71 68	69	5/8	36	122	122	5/16X13	5/16	0	1411	5210	1411
339A 71 68	69	5/8	36	122	123	3/8 X16	5/16	0	5210	1411	5210
348A 71 68	69	5/8	42	123	123	3/8 X16	5/16	0	1411	5210	1511
357A 71 68	69	5/8	65	123	131	9/16X16	5/16	0	5210	1311	5110

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

PROJECT: THE WORLD TRADE CENTER | TITLE: EXTERIOR WALL PANEL SCHEDULE | DATE: 6-5-67

REVISIONS

PANEL NUMBER	PANEL TYPE	COLUMN 1 TYPE	COL 1 FY1	COL 1 FY2	COL 1 CSU	COL 1 CSL	COLUMN 2 TYPE	COL 2 FY1	COL 2 FY2	COL 2 CSU	COL 2 CSL	COLUMN 3 TYPE	COL 3 FY1	COL 3 FY2	COL 3 CSU	COL 3 CSL
403A 71 68	300	123	100	100	491	491	123	100	100	441	441	123	90	90	441	441
412A 71 68	300	124	85	85	441	441	124	80	80	441	441	125	75	75	441	441
421A 71 68	300	129	60	60	431	441	129	55	55	431	431	128	55	55	431	431
430A 71 68	300	128	65	65	431	431	128	65	65	431	431	128	65	65	431	431
439A 71 68	300	128	65	65	431	431	129	65	65	431	431	129	65	65	431	441
448A 71 68	300	125	80	80	441	441	124	85	85	441	441	124	90	90	441	441
457A 71 68	300	123	90	90	441	441	123	100	100	441	441	123	100	100	441	491

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	WELD NO 6	WELD NO 7	SEAT DETAIL COL 1	SEAT COL 2	SEAT COL 3
403A 71 68	71	9/16	85	131	122	7/16X16	1/4	0	1013	5210	5010
412A 71 68	71	9/16	60	122	122	5/16X16	1/4	0	5210	5010	5210
421A 71 68	71	9/16	42	122	122	1/4 X16	1/4	0	5210	1111	5210
430A 71 68	71	9/16	42	121	121	1/4 X13	1/4	0	1111	5210	1111
439A 71 68	71	9/16	45	122	122	1/4 X16	1/4	0	5210	1111	5210
448A 71 68	71	9/16	60	122	122	5/16X16	1/4	0	5210	5010	5210
457A 71 68	71	9/16	85	122	131	3/8 X16	1/4	0	5010	5210	1013

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	WELD NO 6	WELD NO 7	SEAT DETAIL COL 1	SEAT COL 2	SEAT COL 3
403A 71 68	70	5/8	75	131	122	7/16X16	1/4	0	1013	5210	5010
412A 71 68	70	5/8	55	122	122	5/16X16	1/4	0	5210	5010	5210
421A 71 68	70	5/8	42	122	122	5/16X16	1/4	0	5210	1111	5210
430A 71 68	70	5/8	45	121	122	1/4 X13	1/4	0	1111	5210	1111
439A 71 68	70	5/8	45	122	122	5/16X16	1/4	0	5210	1111	5210
448A 71 68	70	5/8	60	122	122	5/16X16	1/4	0	5210	5010	5210
457A 71 68	70	5/8	75	122	131	3/8 X16	1/4	0	5010	5210	1013

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	WELD NO 6	WELD NO 7	SEAT DETAIL COL 1	SEAT COL 2	SEAT COL 3
403A 71 68	69	5/8	80	131	123	1/2 X16	1/4	0	1013	5210	5010
412A 71 68	69	5/8	55	122	122	3/8 X16	1/4	0	5210	5010	5210
421A 71 68	69	5/8	42	122	122	5/16X16	1/4	0	5210	1111	5210
430A 71 68	69	5/8	42	122	122	1/4 X14	1/4	0	1111	5210	1111
439A 71 68	69	5/8	45	122	122	5/16X16	1/4	0	5210	1111	5210
448A 71 68	69	5/8	60	122	122	3/8 X16	1/4	0	5210	5010	5210
457A 71 68	69	5/8	80	122	131	7/16X16	1/4	0	5010	5210	1013

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

4-A1-314

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

PROJECT: THE WORLD TRADE CENTER | TITLE: EXTERIOR WALL PANEL SCHEDULE | DATE: 6-5-67

REVISIONS

PANEL NUMBER	PANEL TYPE	COLUMN 1 TYPE	COL 1 FY1	COL 1 FY2	COL 1 CSU	COL 1 CSL	COLUMN 2 TYPE	COL 2 FY1	COL 2 FY2	COL 2 CSU	COL 2 CSL	COLUMN 3 TYPE	COL 3 FY1	COL 3 FY2	COL 3 CSU	COL 3 CSL
200A 71 69	210	128	85	85	491	491	528	100	100	0	0	126	100	100	491	491
400A 71 69	210	128	85	85	491	491	528	90	90	0	0	126	90	90	491	491

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
200A 71 69	71	9/16	65	131	131	5/8 X16	5/16	0	1313	5010	5610
400A 71 69	71	9/16	60	131	131	9/16X16	5/16	0	1313	5010	5610

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
200A 71 69	70	5/8	65	131	131	5/8 X16	5/16	0	1313	5010	5610
400A 71 69	70	5/8	65	131	131	5/8 X16	5/16	0	1313	5010	5610

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

4-A1-315

WORTHINGTON, SKILLING, HELLE & JACKSON Civil & Structural Engineers

PROJECT: THE WORLD TRADE CENTER | TITLE: EXTERIOR WALL PANEL SCHEDULE | DATE: 6-5-67

REVISIONS

PANEL NUMBER	PANEL TYPE	COLUMN 1					COLUMN 2					COLUMN 3				
		TYPE	FY1	FY2	CSU	CSL	TYPE	FY1	FY2	CSU	CSL	TYPE	FY1	FY2	CSU	CSL
109A 72 69	300	132	55	55	441	441	133	55	55	441	442	134	50	50	441	442
118A 72 69	300	134	50	50	441	442	134	50	50	441	442	134	50	50	441	442
127A 72 69	300	134	50	50	431	442	134	50	50	431	442	134	46	46	432	442
133A 72 69	300	135	45	45	442	442	135	45	45	442	442	135	46	46	442	442
142A 72 69	300	135	50	50	442	442	134	55	55	442	442	134	55	55	441	492
151A 72 69	300	134	55	55	441	492	133	60	60	441	492	132	60	60	441	491

PANEL NUMBER	FLOOR	SPANDREL PLATE				WELDMENTS			SEAT DETAIL		
		T4	FY4	SCL	SCR	NO 5	NO 6	NO 7	COL 1	COL 2	COL 3
109A 72 69	72	9/16	36	122	122	5/16X14	5/16	0	5210	1411	5210
118A 72 69	72	9/16	36	122	122	5/16X13	5/16	0	1411	5210	1411
127A 72 69	72	9/16	36	122	122	5/16X11	5/16	0	5110	1411	5210
133A 72 69	72	9/16	36	122	122	5/16X13	5/16	0	5210	1411	5110
142A 72 69	72	9/16	36	122	122	5/16X15	5/16	0	1411	5210	1411
151A 72 69	72	9/16	42	123	123	5/16X15	5/16	0	5210	1411	5210

PANEL NUMBER	FLOOR	SPANDREL PLATE				WELDMENTS			SEAT DETAIL		
		T4	FY4	SCL	SCR	NO 5	NO 6	NO 7	COL 1	COL 2	COL 3
109A 72 69	71	9/16	36	122	122	5/16X14	5/16	0	5210	1411	5210
~~118A 72 69~~	~~71~~	~~9/16~~	~~36~~	~~122~~	~~122~~	~~5/16X13~~	~~5/16~~	~~0~~	~~1411~~	~~5210~~	~~1411~~
127A 72 69	71	9/16	36	122	122	5/16X11	5/16	0	5110	1411	5210
133A 72 69	71	9/16	36	122	122	5/16X14	5/16	0	5210	1411	5110
142A 72 69	71	9/16	42	122	123	3/8 X16	5/16	0	1411	5210	1411
151A 72 69	71	9/16	42	123	123	3/8 X16	5/16	0	5210	1411	5210

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

PANEL NUMBER	FLOOR	SPANDREL PLATE				WELDMENTS			SEAT DETAIL		
		T4	FY4	SCL	SCR	NO 5	NO 6	NO 7	COL 1	COL 2	COL 3
109A 72 69	70	5/8	42	122	122	5/16X14	5/16	0	5210	1411	5210
118A 72 69	70	5/8	36	122	122	5/16X14	5/16	0	1411	5210	1411
127A 72 69	70	5/8	36	122	122	5/16X12	5/16	0	5110	1411	5210
133A 72 69	70	5/8	36	122	122	5/16X14	5/16	0	5210	1411	5110
142A 72 69	70	5/8	36	123	123	3/8 X16	5/16	0	1411	5210	1411
151A 72 69	70	5/8	42	123	123	3/8 X16	5/16	0	5210	1411	5210

4-A1-316

WORTHINGTON, SKILLING, HELLE & JACKSON Civil & Structural Engineers

PROJECT: THE WORLD TRADE CENTER | TITLE: EXTERIOR WALL PANEL SCHEDULE | DATE: 6-5-67

REVISIONS

PANEL NUMBER	PANEL TYPE	COLUMN 1 TYPE	COL 1 FY1	COL 1 FY2	COL 1 CSU	COL 1 CSL	COLUMN 2 TYPE	COL 2 FY1	COL 2 FY2	COL 2 CSU	COL 2 CSL	COLUMN 3 TYPE	COL 3 FY1	COL 3 FY2	COL 3 CSU	COL 3 CSL
209A 72 69	300	123	100	100	441	441	123	100	100	441	441	123	100	100	441	441
218A 72 69	300	129	70	70	441	441	129	65	65	431	441	129	65	65	431	441
227A 72 69	300	127	65	65	431	431	127	65	65	431	431	127	65	65	431	431
233A 72 69	300	127	60	60	431	431	127	60	60	431	431	127	60	60	431	431
242A 72 69	300	129	60	60	431	431	129	60	60	431	431	129	60	60	431	441
251A 72 69	300	123	85	85	441	441	123	85	85	441	441	123	85	85	441	441

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	WELD NO 6	WELD NO 7	SEAT DETAIL COL 1	SEAT COL 2	SEAT COL 3
209A 72 69	72	9/16	65	122	122	5/16X16	1/4	0	5010	5210	1212
218A 72 69	72	9/16	45	122	122	5/16X12	5/16	0	1611	5210	1111
227A 72 69	72	9/16	45	122	121	1/4 X13	1/4	0	5110	1111	5210
233A 72 69	72	9/16	42	121	121	1/4 X12	1/4	0	5210	1111	5110
242A 72 69	72	9/16	42	122	122	5/16X11	5/16	0	1111	5210	1611
251A 72 69	72	9/16	55	122	122	1/4 X16	1/4	0	1212	5210	5010

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	WELD NO 6	WELD NO 7	SEAT DETAIL COL 1	SEAT COL 2	SEAT COL 3
209A 72 69	71	9/16	65	122	122	3/8 X16	1/4	0	5010	5210	1212
~~218A 72 69~~	~~71~~	~~9/16~~	~~46~~	~~122~~	~~122~~	~~5/16X12~~	~~5/16~~	~~0~~	~~1611~~	~~5210~~	~~1111~~
227A 72 69	71	9/16	45	122	121	1/4 X14	1/4	0	5110	1111	5210
233A 72 69	71	9/16	42	121	122	1/4 X13	1/4	0	5210	1111	5110
242A 72 69	71	9/16	42	122	122	5/16X11	5/16	0	1111	5210	1611
251A 72 69	71	9/16	60	122	122	5/16X16	1/4	0	1212	5210	5010

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

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	WELD NO 6	WELD NO 7	SEAT DETAIL COL 1	SEAT COL 2	SEAT COL 3
209A 72 69	70	5/8	65	122	122	3/8 X16	1/4	0	5010	5210	1212
218A 72 69	70	5/8	42	122	122	5/16X12	5/16	0	1611	5210	1111
227A 72 69	70	5/8	45	122	122	1/4 X14	1/4	0	5110	1111	5210
233A 72 69	70	5/8	42	121	122	1/4 X13	1/4	0	5210	1111	5110
242A 72 69	70	5/8	36	122	122	5/16X11	5/16	0	1111	5210	1611
251A 72 69	70	5/8	60	122	122	5/16X16	1/4	0	1212	5210	5010

4-A1-317

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

PROJECT: THE WORLD TRADE CENTER | TITLE: EXTERIOR WALL PANEL SCHEDULE | DATE: 6-5-67

REVISIONS

PANEL NUMBER			PANEL TYPE	COLUMN 1 TYPE	COL 1 FY1	COL 1 FY2	COL 1 CSU	COL 1 CSL	COLUMN 2 TYPE	COL 2 FY1	COL 2 FY2	COL 2 CSU	COL 2 CSL	COLUMN 3 TYPE	COL 3 FY1	COL 3 FY2	COL 3 CSU	COL 3 CSL
309A	72	69	300	132	55	55	441	441	133	55	55	441	442	134	55	55	441	442
318A	72	69	300	134	55	55	441	442	134	55	55	441	442	134	50	50	441	442
327A	72	69	300	134	50	50	431	432	134	50	50	431	432	134	50	50	432	432
333A	72	69	300	135	55	55	442	442	135	55	55	442	442	135	55	55	442	442
342A	72	69	300	135	55	55	442	442	134	55	55	442	442	134	55	55	441	442
351A	72	69	300	134	55	55	441	492	133	55	55	441	492	132	55	55	441	491

PANEL NUMBER			FLOOR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	WELD NO 6	WELD NO 7	SEAT DETAIL COL 1	SEAT COL 2	SEAT COL 3
309A	72	69	72	9/16	36	122	122	5/16X13	5/16	0	5210	1411	5210
318A	72	69	72	9/16	36	122	122	5/16X12	5/16	0	1411	5210	1411
327A	72	69	72	9/16	36	122	122	5/16X11	5/16	0	5110	1411	5210
333A	72	69	72	9/16	36	122	122	5/16X13	5/16	0	5210	1411	5110
342A	72	69	72	9/16	42	122	122	5/16X15	5/16	0	1411	5210	1411
351A	72	69	72	9/16	42	122	122	5/16X15	5/16	0	5210	1411	5210

PANEL NUMBER			FLOOR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	WELD NO 6	WELD NO 7	SEAT DETAIL COL 1	SEAT COL 2	SEAT COL 3
309A	72	69	71	9/16	36	122	122	5/16X13	5/16	0	5210	1411	5210
318A	72	69	71	9/16	36	122	122	5/16X13	5/16	0	1411	5210	1411
327A	72	69	71	9/16	36	122	122	5/16X11	5/16	0	5110	1411	5210
333A	72	69	71	9/16	42	122	122	5/16X13	5/16	0	5210	1411	5110
342A	72	69	71	9/16	42	122	122	5/16X15	5/16	0	1411	5210	1411
351A	72	69	71	9/16	42	123	123	5/16X15	5/16	0	5210	1411	5210

PANEL NUMBER			FLOOR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	WELD NO 6	WELD NO 7	SEAT DETAIL COL 1	SEAT COL 2	SEAT COL 3
309A	72	69	70	5/8	36	122	122	5/16X14	5/16	0	5210	1411	5210
318A	72	69	70	5/8	36	122	122	5/16X13	5/16	0	1411	5210	1411
327A	72	69	70	5/8	36	122	122	5/16X11	5/16	0	5110	1411	5210
333A	72	69	70	5/8	36	122	122	5/16X14	5/16	0	5210	1411	5110
342A	72	69	70	5/8	42	122	123	5/16X16	5/16	0	1411	5210	1411
351A	72	69	70	5/8	42	123	123	5/16X16	5/16	0	5210	1411	5210

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

4-A1-318

WORTHINGTON, SKILLING, HELLE & JACKSON Civil & Structural Engineers

PROJECT: THE WORLD TRADE CENTER | TITLE: EXTERIOR WALL PANEL SCHEDULE | DATE: 6-5-67

REVISIONS

PANEL NUMBER	PANEL TYPE	COLUMN 1 TYPE	COL 1 FY1	COL 1 FY2	COL 1 CSU	COL 1 CSL	COLUMN 2 TYPE	COL 2 FY1	COL 2 FY2	COL 2 CSU	COL 2 CSL	COLUMN 3 TYPE	COL 3 FY1	COL 3 FY2	COL 3 CSU	COL 3 CSL
409A 72 69	300	123	85	85	441	441	123	85	85	441	441	123	85	85	441	441
418A 72 69	300	129	60	60	441	441	129	60	60	431	441	129	60	60	431	441
427A 72 69	300	127	60	60	431	431	127	60	60	431	431	127	60	60	431	431
433A 72 69	300	127	65	65	431	431	127	65	65	431	431	127	65	65	431	431
442A 72 69	300	129	65	65	431	441	129	65	65	431	441	129	65	65	431	441
451A 72 69	300	123	90	90	441	441	123	90	90	441	441	123	90	90	441	441

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	WD 6	WD 7	SEAT DETAIL COL 1	COL 2	COL 3
409A 72 69	72	9/16	60	122	122	5/16X16	1/4	0	5010	5210	1212
418A 72 69	72	9/16	42	122	122	5/16X11	5/16	0	1611	5210	1111
427A 72 69	72	9/16	42	122	121	1/4 X13	1/4	0	5110	1111	5210
433A 72 69	72	9/16	45	121	122	1/4 X13	1/4	0	5210	1111	5110
442A 72 69	72	9/16	45	122	122	5/16X11	5/16	0	1111	5210	1611
451A 72 69	72	9/16	60	122	122	5/16X16	1/4	0	1212	5210	5010

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	WD 6	WD 7	SEAT DETAIL COL 1	COL 2	COL 3
~~409A 72 69~~	~~71~~	~~9/16~~	~~60~~	~~122~~	~~122~~	~~5/16X16~~	~~1/4~~	~~0~~	~~5010~~	~~5210~~	~~1212~~
418A 72 69	71	9/16	42	122	122	5/16X12	5/16	0	1611	5210	1111
427A 72 69	71	9/16	42	122	121	1/4 X13	1/4	0	5110	1111	5210
433A 72 69	71	9/16	45	121	122	1/4 X13	1/4	0	5210	1111	5110
442A 72 69	71	9/16	45	122	122	5/16X11	5/16	0	1111	5210	1611
451A 72 69	71	9/16	60	122	122	5/16X16	1/4	0	1212	5210	5010

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

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	WD 6	WD 7	SEAT DETAIL COL 1	COL 2	COL 3
409A 72 69	70	5/8	60	122	122	3/8 X16	1/4	0	5010	5210	1212
418A 72 69	70	5/8	42	122	122	5/16X12	5/16	0	1611	5210	1111
427A 72 69	70	5/8	42	122	121	1/4 X13	1/4	0	5110	1111	5210
433A 72 69	70	5/8	45	122	122	1/4 X14	1/4	0	5210	1111	5110
442A 72 69	70	5/8	42	122	122	5/16X12	5/16	0	1111	5210	1611
451A 72 69	70	5/8	60	122	122	5/16X16	1/4	0	1212	5210	5010

4-A1-319

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

PROJECT: THE WORLD TRADE CENTER | TITLE: EXTERIOR WALL PANEL SCHEDULE | DATE: 6-5-67

REVISIONS

PANEL NUMBER	PANEL TYPE	COLUMN 1 TYPE	COL 1 FY1	COL 1 FY2	COL 1 CSU	COL 1 CSL	COLUMN 2 TYPE	COL 2 FY1	COL 2 FY2	COL 2 CSU	COL 2 CSL	COLUMN 3 TYPE	COL 3 FY1	COL 3 FY2	COL 3 CSU	COL 3 CSL
100A 72 70	210	126	100	100	491	491	528	100	100	0	0	128	80	80	491	491
300A 72 70	210	126	90	90	491	491	528	90	90	0	0	128	75	75	491	491

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
100A 72 70	72	9/16	65	131	131	1/2 X16	5/16	0	5410	5010	1313
300A 72 70	72	9/16	65	131	131	1/2 X16	1/4	0	5410	5010	1313

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
100A 72 70	71	9/16	65	131	131	9/16X16	5/16	0	5410	5010	1313
300A 72 70	71	9/16	60	131	131	1/2 X16	5/16	0	5410	5010	1313

LICENSED PROFESSIONAL ENGINEER — LESLIE E. ROBERTSON — No. 34360 — UNIVERSITY OF THE STATE OF [illegible]

4-A1-320

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

PROJECT: THE WORLD TRADE CENTER | TITLE: EXTERIOR WALL PANEL SCHEDULE | DATE: 6-5-67

REVISIONS

PANEL NUMBER	PANEL TYPE	COLUMN 1 TYPE	COL 1 FY1	COL 1 FY2	COL 1 CSU	COL 1 CSL	COLUMN 2 TYPE	COL 2 FY1	COL 2 FY2	COL 2 CSU	COL 2 CSL	COLUMN 3 TYPE	COL 3 FY1	COL 3 FY2	COL 3 CSU	COL 3 CSL
106A 73 70	300	130	60	60	441	441	131	60	60	441	441	132	55	55	441	441
115A 73 70	300	133	50	50	442	442	133	50	50	442	442	133	50	50	442	442
124A 73 70	300	133	50	50	432	442	133	50	50	432	432	133	50	50	432	432
136A 73 70	300	135	46	46	442	442	135	50	50	442	442	135	50	50	442	442
145A 73 70	300	133	55	55	442	492	133	55	55	442	492	133	55	55	442	492
154A 73 70	300	132	60	60	441	491	131	60	60	441	491	130	65	65	441	491

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
106A 73 70	73	9/16	42	122	122	5/16X13	5/16	0	1311	5110	1411
115A 73 70	73	9/16	36	122	122	5/16X13	5/16	0	5110	1411	5110
124A 73 70	73	9/16	36	122	122	5/16X11	5/16	0	1411	5110	1411
136A 73 70	73	9/16	36	122	122	5/16X14	5/16	0	1411	5110	1411
145A 73 70	73	9/16	42	122	122	5/16X15	5/16	0	5110	1411	5110
154A 73 70	73	9/16	42	122	122	5/16X15	5/16	0	1411	5110	1311

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
106A 73 70	72	9/16	42	122	122	5/16X13	5/16	0	1311	5110	1411
115A 73 70	72	9/16	36	122	122	5/16X13	5/16	0	5110	1411	5110
124A 73 70	72	9/16	36	122	122	5/16X11	5/16	0	1411	5110	1411
136A 73 70	72	9/16	36	122	122	5/16X14	5/16	0	1411	5110	1411
145A 73 70	72	9/16	36	122	122	5/16X15	5/16	0	5110	1411	5110
154A 73 70	72	9/16	42	123	122	5/16X15	5/16	0	1411	5110	1311

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
106A 73 70	71	9/16	42	122	122	5/16X14	5/16	0	1311	5110	1411
115A 73 70	71	9/16	36	122	122	5/16X14	5/16	0	5110	1411	5110
124A 73 70	71	9/16	36	122	122	5/16X12	5/16	0	1411	5110	1411
136A 73 70	71	9/16	36	122	122	5/16X15	5/16	0	1411	5110	1411
145A 73 70	71	9/16	42	123	123	3/8 X16	5/16	0	5110	1411	5110
154A 73 70	71	9/16	42	123	123	5/16X16	5/16	0	1411	5110	1311

LICENSED PROFESSIONAL ENGINEER LESLIE E. ROBERTSON No. 34360 UNIVERSITY OF THE STATE OF N.Y.

4-A1-321

WORTHINGTON, SKILLING, HELLE & JACKSON Civil & Structural Engineers

PROJECT THE WORLD TRADE CENTER | TITLE EXTERIOR WALL PANEL SCHEDULE | DATE 6-5-67

REVISIONS

PANEL NUMBER	PANEL TYPE	COLUMN 1 TYPE	COL 1 FY1	COL 1 FY2	COL 1 CSU	COL 1 CSL	COLUMN 2 TYPE	COL 2 FY1	COL 2 FY2	COL 2 CSU	COL 2 CSL	COLUMN 3 TYPE	COL 3 FY1	COL 3 FY2	COL 3 CSU	COL 3 CSL
206A 73 70	300	123	100	100	441	441	123	100	100	441	441	123	100	100	441	441
215A 73 70	300	126	80	80	441	441	127	75	75	441	441	128	70	70	441	441
224A 73 70	300	127	70	70	431	431	127	70	70	431	431	127	65	65	431	431
236A 73 70	300	127	60	60	431	431	127	60	60	431	431	127	60	60	431	431
245A 73 70	300	128	60	60	431	441	127	65	65	431	441	126	70	70	431	441
254A 73 70	300	123	90	90	441	441	123	90	90	441	441	123	90	90	441	441

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
206A 73 70	73	9/16	70	122	122	5/16X16	1/4	0	5110	1212	5110
215A 73 70	73	9/16	55	122	122	5/16X16	1/4	0	1212	5510	5110
224A 73 70	73	9/16	46	122	122	1/4 X14	1/4	0	1111	5110	1111
236A 73 70	73	9/16	42	121	122	1/4 X13	1/4	0	1111	5110	1111
245A 73 70	73	9/16	46	122	122	1/4 X16	1/4	0	5110	5310	1212
254A 73 70	73	9/16	60	122	122	1/4 X16	1/4	0	5110	1212	5110

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
206A 73 70	72	9/16	70	122	122	3/8 X16	1/4	0	5110	1212	5110
215A 73 70	72	9/16	55	122	122	5/16X16	1/4	0	1212	5510	5110
224A 73 70	72	9/16	45	122	122	1/4 X14	1/4	0	1111	5110	1111
236A 73 70	72	9/16	42	121	122	1/4 X13	1/4	0	1111	5110	1111
245A 73 70	72	9/16	46	122	122	1/4 X16	1/4	0	5110	5310	1212
254A 73 70	72	9/16	65	122	122	5/16X16	1/4	0	5110	1212	5110

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

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
206A 73 70	71	9/16	65	122	122	3/8 X16	1/4	0	5110	1212	5110
215A 73 70	71	9/16	50	122	122	3/8 X16	1/4	0	1212	5510	5110
224A 73 70	71	9/16	45	122	122	1/4 X15	1/4	0	1111	5110	1111
236A 73 70	71	9/16	42	122	122	1/4 X14	1/4	0	1111	5110	1111
245A 73 70	71	9/16	45	122	122	5/16X16	1/4	0	5110	5310	1212
254A 73 70	71	9/16	60	122	122	5/16X16	1/4	0	5110	1212	5110

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

PROJECT	TITLE	DATE
THE WORLD TRADE CENTER	EXTERIOR WALL PANEL SCHEDULE	6-5-67

REVISIONS

PANEL NUMBER	PANEL TYPE	COLUMN 1					COLUMN 2					COLUMN 3				
		TYPE	FY1	FY2	CSU	CSL	TYPE	FY1	FY2	CSU	CSL	TYPE	FY1	FY2	CSU	CSL
306A 73 70	300	130	60	60	441	441	131	55	55	441	441	132	55	55	441	441
315A 73 70	300	133	55	55	442	442	133	55	55	442	442	133	55	55	442	442
324A 73 70	300	133	50	50	432	432	133	50	50	432	432	133	50	50	432	432
336A 73 70	300	135	55	55	442	442	135	55	55	442	442	135	55	55	442	442
345A 73 70	300	133	55	55	442	442	133	55	55	442	442	133	55	55	442	442
354A 73 70	300	132	60	60	441	441	131	60	60	441	441	130	60	60	441	441

PANEL NUMBER	FLOOR	SPANDREL PLATE				WELDMENTS			SEAT DETAIL		
		T4	FY4	SCL	SCR	NO 5	NO 6	NO 7	COL 1	COL 2	COL 3
306A 73 70	73	9/16	42	122	122	5/16X12	5/16	0	1311	5110	1411
315A 73 70	73	9/16	36	122	122	5/16X12	5/16	0	5110	1411	5110
324A 73 70	73	9/16	36	122	122	5/16X11	5/16	0	1411	5110	1411
336A 73 70	73	9/16	36	122	122	5/16X13	5/16	0	1411	5110	1411
345A 73 70	73	9/16	42	122	122	5/16X15	5/16	0	5110	1411	5110
354A 73 70	73	9/16	42	122	122	5/16X14	5/16	0	1411	5110	1311

PANEL NUMBER	FLOOR	SPANDREL PLATE				WELDMENTS			SEAT DETAIL		
		T4	FY4	SCL	SCR	NO 5	NO 6	NO 7	COL 1	COL 2	COL 3
306A 73 70	72	9/16	42	122	122	5/16X13	5/16	0	1311	5110	1411
315A 73 70	72	9/16	36	122	122	5/16X13	5/16	0	5110	1411	5110
324A 73 70	72	9/16	36	122	122	5/16X11	5/16	0	1411	5110	1411
336A 73 70	72	9/16	36	122	122	5/16X14	5/16	0	1411	5110	1411
345A 73 70	72	9/16	42	122	122	5/16X15	5/16	0	5110	1411	5110
354A 73 70	72	9/16	42	122	122	5/16X15	5/16	0	1411	5110	1311

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

PANEL NUMBER	FLOOR	SPANDREL PLATE				WELDMENTS			SEAT DETAIL		
		T4	FY4	SCL	SCR	NO 5	NO 6	NO 7	COL 1	COL 2	COL 3
306A 73 70	71	9/16	42	122	122	5/16X13	5/16	0	1311	5110	1411
315A 73 70	71	9/16	36	122	122	5/16X13	5/16	0	5110	1411	5110
324A 73 70	71	9/16	36	122	122	5/16X11	5/16	0	1411	5110	1411
336A 73 70	71	9/16	42	122	122	5/16X14	5/16	0	1411	5110	1411
345A 73 70	71	9/16	42	122	122	5/16X15	5/16	0	5110	1411	5110
354A 73 70	71	9/16	42	123	122	5/16X15	5/16	0	1411	5110	1311

4-A1-323

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

PROJECT: THE WORLD TRADE CENTER | TITLE: EXTERIOR WALL PANEL SCHEDULE | DATE: 6-5-67

EVISIONS

PANEL NUMBER	PANEL TYPE	COLUMN 1					COLUMN 2					COLUMN 3				
		TYPE	FY1	FY2	CSU	CSL	TYPE	FY1	FY2	CSU	CSL	TYPE	FY1	FY2	CSU	CSL
406A 73 70	300	123	100	100	441	441	123	90	90	441	441	123	90	90	441	441
415A 73 70	300	126	70	70	441	441	127	65	65	441	441	128	65	65	441	441
424A 73 70	300	127	60	60	431	431	127	60	60	431	431	127	60	60	431	431
436A 73 70	300	127	65	65	431	431	127	65	65	431	431	127	70	70	431	431
445A 73 70	300	128	70	70	431	441	127	70	70	431	441	126	75	75	441	441
454A 73 70	300	123	100	100	441	441	123	100	100	441	441	123	100	100	441	441

PANEL NUMBER	FLOOR	SPANDREL PLATE				WELDMENTS			SEAT DETAIL		
		T4	FY4	SCL	SCR	NO 5	NO 6	NO 7	COL 1	COL 2	COL 3
406A 73 70	73	9/16	65	122	122	5/16X16	1/4	0	5110	1212	5110
415A 73 70	73	9/16	50	122	122	5/16X16	1/4	0	1212	5510	5110
424A 73 70	73	9/16	42	122	121	1/4 X13	1/4	0	1111	5110	1111
436A 73 70	73	9/16	46	122	122	1/4 X14	1/4	0	1111	5110	1111
445A 73 70	73	9/16	50	122	122	5/16X16	1/4	0	5110	5310	1212
454A 73 70	73	9/16	65	122	122	5/16X16	1/4	0	5110	1212	5110

PANEL NUMBER	FLOOR	SPANDREL PLATE				WELDMENTS			SEAT DETAIL		
		T4	FY4	SCL	SCR	NO 5	NO 6	NO 7	COL 1	COL 2	COL 3
406A 73 70	72	9/16	65	122	122	5/16X16	1/4	0	5110	1212	5110
415A 73 70	72	9/16	50	122	122	5/16X16	1/4	0	1212	5510	5110
424A 73 70	72	9/16	42	122	122	1/4 X14	1/4	0	1111	5110	1111
436A 73 70	72	9/16	45	122	122	1/4 X14	1/4	0	1111	5110	1111
445A 73 70	72	9/16	55	122	122	5/16X16	1/4	0	5110	5310	1212
454A 73 70	72	9/16	65	122	122	5/16X16	1/4	0	5110	1212	5110

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

PANEL NUMBER	FLOOR	SPANDREL PLATE				WELDMENTS			SEAT DETAIL		
		T4	FY4	SCL	SCR	NO 5	NO 6	NO 7	COL 1	COL 2	COL 3
406A 73 70	71	9/16	60	122	122	3/8 X16	1/4	0	5110	1212	5110
415A 73 70	71	9/16	45	122	122	5/16X16	1/4	0	1212	5510	5110
424A 73 70	71	9/16	42	122	122	1/4 X14	1/4	0	1111	5110	1111
436A 73 70	71	9/16	45	122	122	1/4 X14	1/4	0	1111	5110	1111
445A 73 70	71	9/16	50	122	122	5/16X16	1/4	0	5110	5310	1212
454A 73 70	71	9/16	60	122	122	5/16X16	1/4	0	5110	1212	5110

4-A1-324

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

PROJECT: THE WORLD TRADE CENTER | TITLE: EXTERIOR WALL PANEL SCHEDULE | DATE: 6-5-67

REVISIONS

PANEL NUMBER	PANEL TYPE	COLUMN 1 TYPE	COL 1 FY1	COL 1 FY2	COL 1 CSU	COL 1 CSL	COLUMN 2 TYPE	COL 2 FY1	COL 2 FY2	COL 2 CSU	COL 2 CSL	COLUMN 3 TYPE	COL 3 FY1	COL 3 FY2	COL 3 CSU	COL 3 CSL
200A 73 71	210	128	90	90	491	491	528	100	100	0	0	125	100	100	491	491
400A 73 71	210	128	85	85	491	491	528	100	100	0	0	125	100	100	491	491

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SPAN FY4	SPAN SCL	SPAN SCR	WELDMENTS NO 5	WELD NO 6	WELD NO 7	SEAT DETAIL COL 1	SEAT COL 2	SEAT COL 3
200A 73 71	73	9/16	70	131	131	9/16X16	5/16	0	1313	5010	5610
400A 73 71	73	9/16	65	131	131	9/16X16	5/16	0	1313	5010	5610

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SPAN FY4	SPAN SCL	SPAN SCR	WELDMENTS NO 5	WELD NO 6	WELD NO 7	SEAT DETAIL COL 1	SEAT COL 2	SEAT COL 3
200A 73 71	72	9/16	70	131	131	9/16X16	5/16	0	1313	5010	5610
400A 73 71	72	9/16	65	131	131	9/16X16	5/16	0	1313	5010	5610

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

4-A1-325

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

PROJECT: THE WORLD TRADE CENTER | TITLE: EXTERIOR WALL PANEL SCHEDULE | DATE: 6-5-67

EVISIONS

PANEL NUMBER			PANEL TYPE	COLUMN 1					COLUMN 2					COLUMN 3				
				TYPE	FY1	FY2	CSU	CSL	TYPE	FY1	FY2	CSU	CSL	TYPE	FY1	FY2	CSU	CSL
103A	74	71	300	125	80	80	101	441	127	70	70	101	441	129	60	60	101	441
112A	74	71	300	133	55	55	102	442	133	50	50	102	442	133	50	50	102	442
121A	74	71	300	133	50	50	102	442	133	50	50	102	442	133	50	50	102	442
130A	74	71	300	134	46	46	102	432	134	46	46	102	432	134	45	45	102	442
139A	74	71	300	134	50	50	102	442	134	50	50	102	442	134	50	50	102	442
148A	74	71	300	133	55	55	102	492	133	55	55	102	492	133	55	55	102	492
157A	74	71	300	129	65	65	101	441	127	70	70	101	441	125	85	85	101	491

PANEL NUMBER			FLOOR	SPANDREL PLATE				WELDMENTS			SEAT DETAIL		
				T4	FY4	SCL	SCR	NO 5	NO 6	NO 7	COL 1	COL 2	COL 3
103A	74	71	74	9/16	60	131	122	7/16X16	1/4	0	5110	1311	5210
112A	74	71	74	9/16	36	122	122	5/16X15	5/16	0	1511	5210	1411
121A	74	71	74	9/16	36	122	122	5/16X13	5/16	0	5210	1411	5210
130A	74	71	74	9/16	36	122	122	5/16X13	5/16	0	1411	5210	1411
139A	74	71	74	9/16	36	122	122	5/16X16	5/16	0	5210	1411	5210
148A	74	71	74	9/16	36	123	123	3/8 X16	5/16	0	1411	5210	1511
157A	74	71	74	9/16	65	122	131	1/2 X16	1/4	0	5210	1311	5110

PANEL NUMBER			FLOOR	SPANDREL PLATE				WELDMENTS			SEAT DETAIL		
				T4	FY4	SCL	SCR	NO 5	NO 6	NO 7	COL 1	COL 2	COL 3
103A	74	71	73	9/16	65	131	122	3/8 X16	1/4	0	5110	1311	5210
112A	74	71	73	9/16	36	122	122	5/16X15	5/16	0	1511	5210	1411
121A	74	71	73	9/16	36	122	122	5/16X12	5/16	0	5210	1411	5210
130A	74	71	73	9/16	36	122	122	5/16X12	5/16	0	1411	5210	1411
139A	74	71	73	9/16	36	122	122	5/16X14	5/16	0	5210	1411	5210
148A	74	71	73	9/16	42	122	122	5/16X15	5/16	0	1411	5210	1511
157A	74	71	73	9/16	70	122	131	7/16X16	1/4	0	5210	1311	5110

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

PANEL NUMBER			FLOOR	SPANDREL PLATE				WELDMENTS			SEAT DETAIL		
				T4	FY4	SCL	SCR	NO 5	NO 6	NO 7	COL 1	COL 2	COL 3
103A	74	71	72	9/16	65	131	122	7/16X16	1/4	0	5110	1311	5210
112A	74	71	72	9/16	36	122	122	5/16X14	5/16	0	1511	5210	1411
121A	74	71	72	9/16	36	122	122	5/16X12	5/16	0	5210	1411	5210
130A	74	71	72	9/16	36	122	122	5/16X12	5/16	0	1411	5210	1411
139A	74	71	72	9/16	36	122	122	5/16X15	5/16	0	5210	1411	5210
148A	74	71	72	9/16	42	122	123	5/16X16	5/16	0	1411	5210	1511
157A	74	71	72	9/16	70	122	131	1/2 X16	1/4	0	5210	1311	5110

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

PROJECT: THE WORLD TRADE CENTER | TITLE: EXTERIOR WALL PANEL SCHEDULE | DATE: 6-5-67

REVISIONS

PANEL NUMBER	PANEL TYPE	COLUMN 1 TYPE	COL 1 FY1	COL 1 FY2	COL 1 CSU	COL 1 CSL	COLUMN 2 TYPE	COL 2 FY1	COL 2 FY2	COL 2 CSU	COL 2 CSL	COLUMN 3 TYPE	COL 3 FY1	COL 3 FY2	COL 3 CSU	COL 3 CSL
203A 74 71	300	122	100	100	101	491	122	100	100	101	441	122	100	100	101	441
212A 74 71	300	123	90	90	101	441	124	90	90	101	441	124	85	85	101	441
221A 74 71	300	128	65	65	101	431	128	65	65	101	431	127	65	65	101	431
230A 74 71	300	127	65	65	101	431	127	65	65	101	431	127	65	65	101	431
239A 74 71	300	127	60	60	101	431	128	60	60	101	431	128	55	55	101	431
248A 74 71	300	124	75	75	101	441	124	80	80	101	441	123	80	80	101	441
257A 74 71	300	122	90	90	101	441	122	90	90	101	441	122	100	100	101	441

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
203A 74 71	74	9/16	80	131	122	1/2 X16	1/4	0	1013	5210	5010
212A 74 71	74	9/16	60	122	122	3/8 X16	1/4	0	5210	5010	5210
221A 74 71	74	9/16	42	122	122	5/16X16	1/4	0	5210	1111	5210
230A 74 71	74	9/16	42	121	121	1/4 X13	1/4	0	1111	5210	1111
239A 74 71	74	9/16	42	122	122	1/4 X16	1/4	0	5210	1111	5210
248A 74 71	74	9/16	55	122	122	5/16X16	1/4	0	5210	5010	5210
257A 74 71	74	9/16	75	122	131	7/16X16	1/4	0	5010	5210	1013

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
203A 74 71	73	9/16	85	131	122	7/16X16	1/4	0	1013	5210	5010
212A 74 71	73	9/16	60	122	122	5/16X16	1/4	0	5210	5010	5210
221A 74 71	73	9/16	45	122	122	1/4 X15	1/4	0	5210	1111	5210
230A 74 71	73	9/16	45	121	121	1/4 X11	1/4	0	1111	5210	1111
239A 74 71	73	9/16	42	122	122	1/4 X14	1/4	0	5210	1111	5210
248A 74 71	73	9/16	55	122	122	1/4 X15	1/4	0	5210	5010	5210
257A 74 71	73	9/16	80	122	131	3/8 X16	1/4	0	5010	5210	1013

LICENSED PROFESSIONAL ENGINEER — LESLIE E. ROBERTSON — No. 3436 — STATE OF NEW YORK

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
203A 74 71	72	9/16	85	131	122	1/2 X16	1/4	0	1013	5210	5010
212A 74 71	72	9/16	60	122	122	5/16X16	1/4	0	5210	5010	5210
221A 74 71	72	9/16	45	122	122	1/4 X16	1/4	0	5210	1111	5210
230A 74 71	72	9/16	42	121	121	1/4 X12	1/4	0	1111	5210	1111
239A 74 71	72	9/16	42	122	122	1/4 X14	1/4	0	5210	1111	5210
248A 74 71	72	9/16	55	122	122	1/4 X15	1/4	0	5210	5010	5210
257A 74 71	72	9/16	80	122	131	3/8 X16	1/4	0	5010	5210	1013

4-A1-327

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

PROJECT: THE WORLD TRADE CENTER | TITLE: EXTERIOR WALL PANEL SCHEDULE | DATE: 6-5-67

REVISIONS

PANEL NUMBER	PANEL TYPE	COLUMN 1 TYPE	COL 1 FY1	COL 1 FY2	COL 1 CSU	COL 1 CSL	COLUMN 2 TYPE	COL 2 FY1	COL 2 FY2	COL 2 CSU	COL 2 CSL	COLUMN 3 TYPE	COL 3 FY1	COL 3 FY2	COL 3 CSU	COL 3 CSL
303A 74 71	300	125	80	80	101	441	127	65	65	101	441	129	60	60	101	441
312A 74 71	300	133	55	55	102	442	133	55	55	102	442	133	55	55	102	442
321A 74 71	300	133	50	50	102	442	133	50	50	102	442	133	50	50	102	442
330A 74 71	300	134	50	50	102	432	134	55	55	102	432	134	50	50	102	442
339A 74 71	300	134	55	55	102	442	134	55	55	102	442	134	55	55	102	442
348A 74 71	300	133	55	55	102	442	133	55	55	102	442	133	55	55	102	442
357A 74 71	300	129	65	65	101	441	127	70	70	101	441	125	85	85	101	491

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	WELD NO 6	WELD NO 7	SEAT DETAIL COL 1	SEAT COL 2	SEAT COL 3
303A 74 71	74	9/16	60	131	122	7/16X16	1/4	0	5110	1311	5210
312A 74 71	74	9/16	36	122	122	5/16X14	5/16	0	1511	5210	1411
321A 74 71	74	9/16	36	122	122	5/16X13	5/16	0	5210	1411	5210
330A 74 71	74	9/16	42	122	122	5/16X13	5/16	0	1411	5210	1411
339A 74 71	74	9/16	42	122	122	5/16X16	5/16	0	5210	1411	5210
348A 74 71	74	9/16	36	122	122	3/8 X16	5/16	0	1411	5210	1511
357A 74 71	74	9/16	65	122	131	1/2 X16	1/4	0	5210	1311	5110

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	WELD NO 6	WELD NO 7	SEAT DETAIL COL 1	SEAT COL 2	SEAT COL 3
303A 74 71	73	9/16	60	131	122	3/8 X16	1/4	0	5110	1311	5210
312A 74 71	73	9/16	36	122	122	5/16X13	5/16	0	1511	5210	1411
321A 74 71	73	9/16	36	122	122	5/16X11	5/16	0	5210	1411	5210
330A 74 71	73	9/16	36	122	122	5/16X11	5/16	0	1411	5210	1411
339A 74 71	73	9/16	42	122	122	5/16X14	5/16	0	5210	1411	5210
348A 74 71	73	9/16	42	122	122	5/16X15	5/16	0	1411	5210	1511
357A 74 71	73	9/16	65	122	131	7/16X16	1/4	0	5210	1311	5110

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	WELD NO 6	WELD NO 7	SEAT DETAIL COL 1	SEAT COL 2	SEAT COL 3
303A 74 71	72	9/16	65	131	122	3/8 X16	1/4	0	5110	1311	5210
312A 74 71	72	9/16	36	122	122	5/16X13	5/16	0	1511	5210	1411
321A 74 71	72	9/16	36	122	122	5/16X12	5/16	0	5210	1411	5210
330A 74 71	72	9/16	36	122	122	5/16X12	5/16	0	1411	5210	1411
339A 74 71	72	9/16	36	122	122	5/16X15	5/16	0	5210	1411	5210
348A 74 71	72	9/16	42	122	122	5/16X15	5/16	0	1411	5210	1511
357A 74 71	72	9/16	65	122	131	7/16X16	1/4	0	5210	1311	5110

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

4-A1-328

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

PROJECT: THE WORLD TRADE CENTER | TITLE: EXTERIOR WALL PANEL SCHEDULE | DATE: 6-5-67

REVISIONS

PANEL NUMBER	PANEL TYPE	COLUMN 1 TYPE	COL 1 FY1	COL 1 FY2	COL 1 CSU	COL 1 CSL	COLUMN 2 TYPE	COL 2 FY1	COL 2 FY2	COL 2 CSU	COL 2 CSL	COLUMN 3 TYPE	COL 3 FY1	COL 3 FY2	COL 3 CSU	COL 3 CSL
403A 74 71	300	122	100	100	101	491	122	100	100	101	441	122	100	100	101	441
412A 74 71	300	123	85	85	101	441	124	80	80	101	441	124	75	75	101	441
421A 74 71	300	128	55	55	101	431	128	60	60	101	431	127	60	60	101	431
430A 74 71	300	127	65	65	101	431	127	65	65	101	431	127	65	65	101	431
439A 74 71	300	127	65	65	101	431	128	65	65	101	431	128	65	65	101	431
448A 74 71	300	124	80	80	101	441	124	85	85	101	441	123	85	85	101	441
457A 74 71	300	122	100	100	101	441	122	100	100	101	441	122	100	100	101	441

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	WD 6	WD 7	SEAT DETAIL COL 1	COL 2	COL 3
403A 74 71	74	9/16	75	131	122	1/2 X16	1/4	0	1013	5210	5010
412A 74 71	74	9/16	55	122	122	5/16X16	1/4	0	5210	5010	5210
421A 74 71	74	9/16	42	122	122	5/16X16	1/4	0	5210	1111	5210
430A 74 71	74	9/16	42	121	121	1/4 X13	1/4	0	1111	5210	1111
439A 74 71	74	9/16	42	122	122	5/16X16	1/4	0	5210	1111	5210
448A 74 71	74	9/16	55	122	122	5/16X16	1/4	0	5210	5010	5210
457A 74 71	74	9/16	75	122	131	7/16X16	1/4	0	5010	5210	1013

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	WD 6	WD 7	SEAT DETAIL COL 1	COL 2	COL 3
403A 74 71	73	9/16	80	131	122	7/16X16	1/4	0	1013	5210	5010
412A 74 71	73	9/16	55	122	122	5/16X16	1/4	0	5210	5010	5210
421A 74 71	73	9/16	42	122	122	1/4 X15	1/4	0	5210	1111	5210
430A 74 71	73	9/16	45	121	121	1/4 X12	1/4	0	1111	5210	1111
439A 74 71	73	9/16	45	122	122	1/4 X15	1/4	0	5210	1111	5210
448A 74 71	73	9/16	60	122	122	1/4 X16	1/4	0	5210	5010	5210
457A 74 71	73	9/16	80	122	131	7/16X16	1/4	0	5010	5210	1013

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	WD 6	WD 7	SEAT DETAIL COL 1	COL 2	COL 3
403A 74 71	72	9/16	85	131	122	7/16X16	1/4	0	1013	5210	5010
412A 74 71	72	9/16	60	122	122	5/16X16	1/4	0	5210	5010	5210
421A 74 71	72	9/16	42	122	122	1/4 X16	1/4	0	5210	1111	5210
430A 74 71	72	9/16	42	121	121	1/4 X12	1/4	0	1111	5210	1111
439A 74 71	72	9/16	45	122	122	1/4 X15	1/4	0	5210	1111	5210
448A 74 71	72	9/16	60	122	122	5/16X16	1/4	0	5210	5010	5210
457A 74 71	72	9/16	85	122	131	7/16X16	1/4	0	5010	5210	1013

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

4-A1-329

WORTHINGTON, SKILLING, HELLE & JACKSON Civil & Structural Engineers

PROJECT THE WORLD TRADE CENTER | TITLE EXTERIOR WALL PANEL SCHEDULE | DATE 6-5-67

REVISIONS

PANEL NUMBER			PANEL TYPE	COLUMN 1					COLUMN 2					COLUMN 3				
				TYPE	FY1	FY2	CSU	CSL	TYPE	FY1	FY2	CSU	CSL	TYPE	FY1	FY2	CSU	CSL
100A	74	72	210	125	100	100	101	491	527	100	100	0	0	127	80	80	101	491
300A	74	72	210	125	90	90	101	491	527	90	90	0	0	127	80	80	101	491

PANEL NUMBER			FLOOR	SPANDREL PLATE				WELDMENTS			SEAT DETAIL		
				T4	FY4	SCL	SCR	NO 5	NO 6	NO 7	COL 1	COL 2	COL 3
100A	74	72	74	9/16	65	131	131	9/16X16	5/16	0	5410	5010	1313
300A	74	72	74	9/16	60	131	131	9/16X16	1/4	0	5410	5010	1313

PANEL NUMBER			FLOOR	SPANDREL PLATE				WELDMENTS			SEAT DETAIL		
				T4	FY4	SCL	SCR	NO 5	NO 6	NO 7	COL 1	COL 2	COL 3
100A	74	72	73	9/16	65	131	131	1/2 X16	1/4	0	5410	5010	1313
~~300A~~	~~74~~	~~72~~	~~73~~	~~9/16~~	~~60~~	~~131~~	~~131~~	~~1/2 X16~~	~~1/4~~	~~0~~	~~5410~~	~~5010~~	~~1313~~

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

4-A1-330

WORTHINGTON, SKILLING, HELLE & JACKSON Civil & Structural Engineers

PROJECT: THE WORLD TRADE CENTER | TITLE: EXTERIOR WALL PANEL SCHEDULE | DATE: 6-5-67

DIVISIONS

PANEL NUMBER	PANEL TYPE	COLUMN 1 TYPE	COL 1 FY1	COL 1 FY2	COL 1 CSU	COL 1 CSL	COLUMN 2 TYPE	COL 2 FY1	COL 2 FY2	COL 2 CSU	COL 2 CSL	COLUMN 3 TYPE	COL 3 FY1	COL 3 FY2	COL 3 CSU	COL 3 CSL
109A 74 72	200	132	50	50	101	441	132	50	50	101	441	132	55	55	101	441
118A 74 72	200	132	50	50	101	441	132	50	50	101	441	132	50	50	101	441
127A 74 72	200	132	50	50	101	431	132	50	50	101	431	133	45	45	102	432
133A 74 72	200	134	45	45	102	442	134	45	45	102	442	134	45	45	102	442
142A 74 72	200	133	50	50	102	442	133	50	50	102	442	132	55	55	101	441
151A 74 72	200	132	55	55	101	441	132	55	55	101	441	132	55	55	101	441

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SPD FY4	SPD SCL	SPD SCR	WELDMENTS NO 5	WELD NO 6	WELD NO 7	SEAT DETAIL COL 1	SEAT COL 2	SEAT COL 3
109A 74 72	74	9/16	36	122	122	5/16X15	5/16	0	5210	1411	5210
118A 74 72	74	9/16	36	122	122	5/16X14	5/16	0	1411	5210	1411
127A 74 72	74	9/16	36	122	122	5/16X12	5/16	0	5110	1411	5210
133A 74 72	74	9/16	36	122	122	5/16X14	5/16	0	5210	1411	5110
142A 74 72	74	9/16	42	122	122	3/8 X16	5/16	0	1411	5210	1411
151A 74 72	74	9/16	42	123	123	3/8 X16	5/16	0	5210	1411	5210

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SPD FY4	SPD SCL	SPD SCR	WELDMENTS NO 5	WELD NO 6	WELD NO 7	SEAT DETAIL COL 1	SEAT COL 2	SEAT COL 3
109A 74 72	73	9/16	36	122	122	5/16X13	5/16	0	5210	1411	5210
118A 74 72	73	9/16	36	122	122	5/16X12	5/16	0	1411	5210	1411
127A 74 72	73	9/16	36	122	122	5/16X10	5/16	0	5110	1411	5210
133A 74 72	73	9/16	36	122	122	5/16X13	5/16	0	5210	1411	5110
142A 74 72	73	9/16	42	122	122	5/16X15	5/16	0	1411	5210	1411
151A 74 72	73	9/16	42	122	122	5/16X15	5/16	0	5210	1411	5210

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

4-A1-331

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

PROJECT: THE WORLD TRADE CENTER | TITLE: EXTERIOR WALL PANEL SCHEDULE | DATE: 6-5-67

REVISIONS

PANEL NUMBER	PANEL TYPE	COLUMN 1 TYPE	COL 1 FY1	COL 1 FY2	COL 1 CSU	COL 1 CSL	COLUMN 2 TYPE	COL 2 FY1	COL 2 FY2	COL 2 CSU	COL 2 CSL	COLUMN 3 TYPE	COL 3 FY1	COL 3 FY2	COL 3 CSU	COL 3 CSL
209A 74 72	200	122	100	100	101	441	123	90	90	101	441	123	90	90	101	441
218A 74 72	200	128	65	65	101	441	128	65	65	101	431	128	65	65	101	431
227A 74 72	200	126	65	65	101	431	126	65	65	101	431	126	65	65	101	431
233A 74 72	200	126	60	60	101	431	126	60	60	101	431	126	60	60	101	431
242A 74 72	200	128	55	55	101	431	128	55	55	101	431	128	55	55	101	431
251A 74 72	200	123	80	80	101	441	123	85	85	101	441	122	90	90	101	441

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	WELD NO 6	WELD NO 7	SEAT DETAIL COL 1	SEAT COL 2	SEAT COL 3
209A 74 72	74	9/16	65	122	122	7/16X16	1/4	0	5010	5210	1212
218A 74 72	74	9/16	42	122	122	3/8 X16	1/4	0	1611	5210	1111
227A 74 72	74	9/16	42	122	121	1/4 X14	1/4	0	5110	1111	5210
233A 74 72	74	9/16	42	121	121	1/4 X13	1/4	0	5210	1111	5110
242A 74 72	74	9/16	36	122	122	5/16X16	1/4	0	1111	5210	1611
251A 74 72	74	9/16	60	122	122	3/8 X16	1/4	0	1212	5210	5010

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	WELD NO 6	WELD NO 7	SEAT DETAIL COL 1	SEAT COL 2	SEAT COL 3
209A 74 72	73	9/16	70	122	122	3/8 X16	1/4	0	5010	5210	1212
218A 74 72	73	9/16	45	122	122	5/16X16	1/4	0	1611	5210	1111
227A 74 72	73	9/16	45	122	121	1/4 X13	1/4	0	5110	1111	5210
233A 74 72	73	9/16	42	121	121	1/4 X12	1/4	0	5210	1111	5110
242A 74 72	73	9/16	42	122	122	1/4 X15	1/4	0	1111	5210	1611
251A 74 72	73	9/16	60	122	122	5/16X16	1/4	0	1212	5210	5010

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

4-A1-332

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

PROJECT: THE WORLD TRADE CENTER | TITLE: EXTERIOR WALL PANEL SCHEDULE | DATE: 6-5-67

REVISIONS

PANEL NUMBER	PANEL TYPE	COLUMN 1 TYPE	COL 1 FY1	COL 1 FY2	COL 1 CSU	COL 1 CSL	COLUMN 2 TYPE	COL 2 FY1	COL 2 FY2	COL 2 CSU	COL 2 CSL	COLUMN 3 TYPE	COL 3 FY1	COL 3 FY2	COL 3 CSU	COL 3 CSL
309A 74 72	200	132	50	50	101	441	132	50	50	101	441	132	55	55	101	441
318A 74 72	200	132	55	55	101	441	132	55	55	101	441	132	55	55	101	441
327A 74 72	200	132	50	50	101	431	132	50	50	101	431	133	50	50	102	432
333A 74 72	200	134	50	50	102	442	134	50	50	102	442	134	50	50	102	442
342A 74 72	200	133	55	55	102	442	133	55	55	102	442	132	55	55	101	441
351A 74 72	200	132	55	55	101	441	132	55	55	101	441	132	55	55	101	441

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	WELD NO 6	WELD NO 7	SEAT DETAIL COL 1	SEAT COL 2	SEAT COL 3
309A 74 72	74	9/16	36	122	122	5/16X14	5/16	0	5210	1411	5210
318A 74 72	74	9/16	36	122	122	5/16X13	5/16	0	1411	5210	1411
327A 74 72	74	9/16	36	122	122	5/16X11	5/16	0	5110	1411	5210
333A 74 72	74	9/16	42	122	122	5/16X14	5/16	0	5210	1411	5110
342A 74 72	74	9/16	42	122	122	5/16X16	5/16	0	1411	5210	1411
351A 74 72	74	9/16	42	122	122	3/8 X16	5/16	0	5210	1411	5210

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	WELD NO 6	WELD NO 7	SEAT DETAIL COL 1	SEAT COL 2	SEAT COL 3
309A 74 72	73	9/16	36	122	122	5/16X13	5/16	0	5210	1411	5210
318A 74 72	73	9/16	36	122	122	5/16X12	5/16	0	1411	5210	1411
327A 74 72	73	9/16	36	122	122	5/16X10	5/16	0	5110	1411	5210
333A 74 72	73	9/16	36	122	122	5/16X12	5/16	0	5210	1411	5110
342A 74 72	73	9/16	42	122	122	5/16X14	5/16	0	1411	5210	1411
351A 74 72	73	9/16	42	122	122	5/16X15	5/16	0	5210	1411	5210

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

4-A1-333

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

PROJECT: THE WORLD TRADE CENTER | TITLE: EXTERIOR WALL PANEL SCHEDULE | DATE: 6-5-67

REVISIONS

PANEL NUMBER	PANEL TYPE	COLUMN 1 TYPE	COL 1 FY1	COL 1 FY2	COL 1 CSU	COL 1 CSL	COLUMN 2 TYPE	COL 2 FY1	COL 2 FY2	COL 2 CSU	COL 2 CSL	COLUMN 3 TYPE	COL 3 FY1	COL 3 FY2	COL 3 CSU	COL 3 CSL
409A 74 72	200	122	90	90	101	441	123	85	85	101	441	123	80	80	101	441
418A 74 72	200	128	60	60	101	441	128	55	55	101	431	128	55	55	101	431
427A 74 72	200	126	60	60	101	431	126	60	60	101	431	126	65	65	101	431
433A 74 72	200	126	65	65	101	431	126	65	65	101	431	126	65	65	101	431
442A 74 72	200	128	65	65	101	431	128	65	65	101	431	128	65	65	101	431
451A 74 72	200	123	85	85	101	441	123	90	90	101	441	122	100	100	101	441

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	WELD NO 6	WELD NO 7	SEAT DETAIL COL 1	SEAT COL 2	SEAT COL 3
409A 74 72	74	9/16	60	122	122	3/8 X16	1/4	0	5010	5210	1212
418A 74 72	74	9/16	36	122	122	5/16X16	1/4	0	1611	5210	1111
427A 74 72	74	9/16	42	122	121	1/4 X13	1/4	0	5110	1111	5210
433A 74 72	74	9/16	42	121	122	1/4 X14	1/4	0	5210	1111	5110
442A 74 72	74	9/16	42	122	122	5/16X16	1/4	0	1111	5210	1611
451A 74 72	74	9/16	60	122	122	3/8 X16	1/4	0	1212	5210	5010

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	WELD NO 6	WELD NO 7	SEAT DETAIL COL 1	SEAT COL 2	SEAT COL 3
409A 74 72	73	9/16	65	122	122	3/8 X16	1/4	0	5010	5210	1212
418A 74 72	73	9/16	42	122	122	5/16X16	1/4	0	1611	5210	1111
427A 74 72	73	9/16	42	121	121	1/4 X12	1/4	0	5110	1111	5210
433A 74 72	73	9/16	45	121	122	1/4 X12	1/4	0	5210	1111	5110
442A 74 72	73	9/16	45	122	122	1/4 X16	1/4	0	1111	5210	1611
451A 74 72	73	9/16	65	122	122	5/16X16	1/4	0	1212	5210	5010

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

4-A1-334

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

PROJECT: THE WORLD TRADE CENTER | TITLE: EXTERIOR WALL PANEL SCHEDULE | DATE: 6-5-67

REVISIONS

PANEL NUMBER	PANEL TYPE	COLUMN 1 TYPE	COL 1 FY1	COL 1 FY2	COL 1 CSU	COL 1 CSL	COLUMN 2 TYPE	COL 2 FY1	COL 2 FY2	COL 2 CSU	COL 2 CSL	COLUMN 3 TYPE	COL 3 FY1	COL 3 FY2	COL 3 CSU	COL 3 CSL
106A 74 73	100	131	55	55	101	441	132	55	55	101	441	132	55	55	101	441
115A 74 73	100	134	50	50	102	442	134	50	50	102	442	134	50	50	102	442
124A 74 73	100	134	45	45	102	432	134	45	45	102	432	134	45	45	102	432
136A 74 73	100	135	45	45	102	442	135	45	45	102	442	135	45	45	102	442
145A 74 73	100	134	50	50	102	442	134	55	55	102	442	134	55	55	102	442
154A 74 73	100	132	55	55	101	441	132	55	55	101	441	131	60	60	101	441

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SP PL FY4	SP PL SCL	SP PL SCR	WELDMENTS NO 5	WELDMENTS NO 6	WELDMENTS NO 7	SEAT DETAIL COL 1	SEAT DETAIL COL 2	SEAT DETAIL COL 3
106A 74 73	74	9/16	42	122	122	5/16X15	5/16	0	1311	5110	1411
115A 74 73	74	9/16	36	122	122	5/16X14	5/16	0	5110	1411	5110
124A 74 73	74	9/16	36	122	122	5/16X13	5/16	0	1411	5110	1411
136A 74 73	74	9/16	36	122	122	5/16X15	5/16	0	1411	5110	1411
145A 74 73	74	9/16	36	122	123	3/8 X16	5/16	0	5110	1411	5110
154A 74 73	74	9/16	42	123	122	3/8 X16	5/16	0	1411	5110	1311

LICENSED PROFESSIONAL ENGINEER
LESLIE E. ROBERTSON
No. 34960
UNIVERSITY OF THE STATE OF NEW YORK

4-A1-335

WORTHINGTON, SKILLING, HELLE & JACKSON Civil & Structural Engineers

PROJECT: THE WORLD TRADE CENTER | TITLE: EXTERIOR WALL PANEL SCHEDULE | DATE: 6-5-67

REVISIONS

PANEL NUMBER	PANEL TYPE	COLUMN 1 TYPE	COL 1 FY1	COL 1 FY2	COL 1 CSU	COL 1 CSL	COLUMN 2 TYPE	COL 2 FY1	COL 2 FY2	COL 2 CSU	COL 2 CSL	COLUMN 3 TYPE	COL 3 FY1	COL 3 FY2	COL 3 CSU	COL 3 CSL
206A 74 73	100	123	100	100	101	441	123	90	90	101	441	123	90	90	101	441
215A 74 73	100	126	75	75	101	441	127	70	70	101	441	128	65	65	101	441
224A 74 73	100	128	60	60	101	431	128	60	60	101	431	128	60	60	101	431
236A 74 73	100	128	55	55	101	431	126	55	55	101	431	128	55	55	101	431
245A 74 73	100	128	60	60	101	431	127	65	65	101	431	126	65	65	101	431
254A 74 73	100	123	85	85	101	441	123	85	85	101	441	123	85	85	101	441

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SPAN FY4	SPAN SCL	SPAN SCR	REINFORCEMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
206A 74 73	74	9/16	65	122	122	3/8 X16	1/4	0	5110	1212	5110
215A 74 73	74	9/16	50	122	122	3/8 X16	1/4	0	1212	5510	5110
224A 74 73	74	9/16	42	122	122	1/4 X16	1/4	0	1111	5110	1111
236A 74 73	74	9/16	42	121	122	1/4 X15	1/4	0	1111	5110	1111
245A 74 73	74	9/16	45	122	122	5/16X16	1/4	0	5110	5310	1212
254A 74 73	74	9/16	60	122	122	5/16X16	1/4	0	5110	1212	5110

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

4-A1-336

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

PROJECT: THE WORLD TRADE CENTER | TITLE: EXTERIOR WALL PANEL SCHEDULE | DATE: 6-5-67

REVISIONS

PANEL NUMBER	PANEL TYPE	COLUMN 1 TYPE	C1 FY1	C1 FY2	C1 CSU	C1 CSL	COLUMN 2 TYPE	C2 FY1	C2 FY2	C2 CSU	C2 CSL	COLUMN 3 TYPE	C3 FY1	C3 FY2	C3 CSU	C3 CSL
306A 74 73	100	131	55	55	101	441	132	50	50	101	441	132	50	50	101	441
315A 74 73	100	134	50	50	102	442	134	50	50	102	442	134	50	50	102	442
324A 74 73	100	134	50	50	102	432	134	50	50	102	432	134	46	46	102	432
336A 74 73	100	135	50	50	102	442	135	50	50	102	442	135	50	50	102	442
345A 74 73	100	134	55	55	102	442	134	55	55	102	442	134	55	55	102	442
354A 74 73	100	132	55	55	101	441	132	55	55	101	441	131	60	60	101	441

X

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
306A 74 73	74	9/16	42	122	122	5/16X14	5/16	0	1311	5110	1411
315A 74 73	74	9/16	36	122	122	5/16X14	5/16	0	5110	1411	5110
324A 74 73	74	9/16	36	122	122	5/16X12	5/16	0	1411	5110	1411
336A 74 73	74	9/16	42	122	122	5/16X15	5/16	0	1411	5110	1411
345A 74 73	74	9/16	36	122	122	3/8 X16	5/16	0	5110	1411	5110
354A 74 73	74	9/16	42	122	122	3/8 X16	5/16	0	1411	5110	1311

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

4-A1-337

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

PROJECT: THE WORLD TRADE CENTER | TITLE: EXTERIOR WALL PANEL SCHEDULE | DATE: 6-5-67

REVISIONS

PANEL NUMBER	PANEL TYPE	COLUMN 1 TYPE	COL 1 FY1	COL 1 FY2	COL 1 CSU	COL 1 CSL	COLUMN 2 TYPE	COL 2 FY1	COL 2 FY2	COL 2 CSU	COL 2 CSL	COLUMN 3 TYPE	COL 3 FY1	COL 3 FY2	COL 3 CSU	COL 3 CSL
406A 74 73	100	123	90	90	101	441	123	85	85	101	441	123	85	85	101	441
415A 74 73	100	126	70	70	101	441	127	65	65	101	441	128	60	60	101	441
424A 74 73	100	128	55	55	101	431	128	55	55	101	431	128	55	55	101	431
436A 74 73	100	128	60	60	101	431	128	60	60	101	431	128	60	60	101	431
445A 74 73	100	128	65	65	101	431	127	70	70	101	431	126	70	70	101	441
454A 74 73	100	123	90	90	101	441	123	90	90	101	441	123	90	90	101	441

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SPD FY4	SPD SCL	SPD SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
406A 74 73	74	9/16	60	122	122	3/8 X16	1/4	0	5110	1212	5110
415A 74 73	74	9/16	46	122	122	3/8 X16	1/4	0	1212	5510	5110
424A 74 73	74	9/16	42	122	122	1/4 X15	1/4	0	1111	5110	1111
436A 74 73	74	9/16	42	122	122	1/4 X15	1/4	0	1111	5110	1111
445A 74 73	74	9/16	50	122	122	5/16X16	1/4	0	5110	5310	1212
454A 74 73	74	9/16	60	122	122	5/16X16	1/4	0	5110	1212	5110

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

4-A1-338

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

PROJECT: THE WORLD TRADE CENTER | TITLE: EXTERIOR WALL PANEL SCHEDULE | DATE: 6-5-67

REVISIONS

PANEL NUMBER	PANEL TYPE	COLUMN 1 TYPE	COL 1 FY1	COL 1 FY2	COL 1 CSU	COL 1 CSL	COLUMN 2 TYPE	COL 2 FY1	COL 2 FY2	COL 2 CSU	COL 2 CSL	COLUMN 3 TYPE	COL 3 FY1	COL 3 FY2	COL 3 CSU	COL 3 CSL
200A 74 73	120	129	75	75	101	491	529	100	100	121	0	126	100	100	101	491
400A 74 73	120	129	75	75	101	491	529	90	90	121	0	126	90	90	101	491

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SPD FY4	SPD SCL	SPD SCR	WELDMENTS NO 5	WELD NO 6	WELD NO 7	SEAT DETAIL COL 1	SEAT COL 2	SEAT COL 3
200A 74 73	74	9/16	65	131	131	5/8 X16	5/16	0	1313	5010	5610
400A 74 73	74	9/16	65	131	131	5/8 X16	5/16	0	1313	5010	5610

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

4-A1-339

SKILLING-HELLE-CHRISTIANSEN-ROBERTSON — **Civil & Structural Engineers**

PROJECT: THE WORLD TRADE CENTER | TITLE: EXTERIOR WALL PANEL SCHEDULE | DATE: 12-5-67

REVISIONS

PANEL NUMBER			PANEL TYPE	COLUMN 1 TYPE	COL 1 FY1	COL 1 FY2	COL 1 CSU	COL 1 CSL	COLUMN 2 TYPE	COL 2 FY1	COL 2 FY2	COL 2 CSU	COL 2 CSL	COLUMN 3 TYPE	COL 3 FY1	COL 3 FY2	COL 3 CSU	COL 3 CSL
103A	77	74	400	329	80	80	101	101	331	65	65	101	101	332	55	55	101	101
106A	77	74	400	335	60	60	101	101	335	55	55	101	101	336	55	55	101	101
109A	77	74	400	337	50	50	101	101	338	50	50	101	101	338	50	50	101	101
112A	77	74	400	338	50	50	101	102	338	50	50	101	102	338	50	50	101	102
115A	77	74	400	338	50	50	101	102	338	50	50	101	102	338	50	50	101	102
118A	77	74	400	338	50	50	101	101	338	50	50	101	101	338	50	50	101	101
121A	77	74	400	338	50	50	101	102	338	46	46	101	102	338	46	46	101	102
124A	77	74	400	338	46	46	101	102	338	46	46	101	102	338	46	46	101	102
127A	77	74	400	338	46	46	101	101	338	46	46	101	101	338	46	46	101	102
130A	77	74	400	339	45	45	101	102	340	45	45	101	102	340	45	45	101	102

	PANEL NUMBER			FLOOR	SPANDREL PLATE T4	SPANDREL PLATE FY4	SPANDREL PLATE SCL	SPANDREL PLATE SCR	WELDMENTS NO 5	WELDMENTS NO 6	WELDMENTS NO 7	SEAT DETAIL COL 1	SEAT DETAIL COL 2	SEAT DETAIL COL 3
2	103A	77	74	77	9/16	60	412	401	7/16X16	5/16	0	7020	7020	6220
	106A	77	74	77	9/16	42	401	401	3/8 X16	5/16	0	4524	6120	4324
	109A	77	74	77	9/16	36	401	401	7/16X16	5/16	0	6220	4324	6220
2	112A	77	74	77	9/16	36	401	401	3/8 X16	5/16	0	4324	6220	4324
	115A	77	74	77	9/16	36	401	401	3/8 X16	5/16	0	6120	4324	6120
2	118A	77	74	77	9/16	36	401	401	3/8 X16	5/16	0	4324	6220	4324
2	121A	77	74	77	9/16	36	401	401	5/16X16	5/16	0	6220	4324	6220
	124A	77	74	77	9/16	36	401	401	5/16X15	5/16	0	4324	6120	4324
2	127A	77	74	77	9/16	36	401	401	5/16X14	5/16	0	6120	4324	6220
	130A	77	74	77	9/16	36	401	401	5/16X16	5/16	0	4424	6220	4424

PANEL NUMBER			FLOOR	SPANDREL PLATE T4	SPANDREL PLATE FY4	SPANDREL PLATE SCL	SPANDREL PLATE SCR	WELDMENTS NO 5	WELDMENTS NO 6	WELDMENTS NO 7	SEAT DETAIL COL 1	SEAT DETAIL COL 2	SEAT DETAIL COL 3
103A	77	74	75	9/16	55	413	401	1/2 X16	5/16	0	7020	6020	6320
106A	77	74	75	9/16	42	401	401	7/16X16	5/16	0	4524	6120	4324
109A	77	74	75	9/16	42	401	401	7/16X16	5/16	0	6120	4324	6220
112A	77	74	75	9/16	42	401	401	7/16X16	5/16	0	4324	6120	4324
115A	77	74	75	9/16	42	401	401	7/16X16	5/16	0	6120	4324	6120
118A	77	74	75	9/16	42	401	401	7/16X16	5/16	0	4324	6120	4324
121A	77	74	75	9/16	36	401	401	3/8 X16	5/16	0	6220	4324	6120
124A	77	74	75	9/16	36	401	401	3/8 X16	5/16	0	4324	6120	4324
127A	77	74	75	9/16	42	401	401	5/16X15	5/16	0	6120	4324	6120
130A	77	74	75	9/16	42	401	401	3/8 X16	5/16	0	4424	6220	4524

LICENSED PROFESSIONAL ENGINEER — LESLIE E. ROBERTSON — NO. 8470 — STATE OF NEW YORK

4-A1-340

SKILLING-HELLE-CHRISTIANSEN-ROBERTSON — **Civil & Structural Engineers**

PROJECT: THE WORLD TRADE CENTER | TITLE: EXTERIOR WALL PANEL SCHEDULE | DATE: 12-5-67

REVISIONS

PANEL NUMBER			PANEL TYPE	COLUMN 1 TYPE	COL 1 FY1	COL 1 FY2	COL 1 CSU	COL 1 CSL	COLUMN 2 TYPE	COL 2 FY1	COL 2 FY2	COL 2 CSU	COL 2 CSL	COLUMN 3 TYPE	COL 3 FY1	COL 3 FY2	COL 3 CSU	COL 3 CSL
133A	77	74	400	340	45	45	101	102	340	45	45	101	102	340	46	46	101	102
136A	77	74	400	340	46	46	101	102	340	50	50	101	102	340	50	50	101	102
139A	77	74	400	340	50	50	101	102	340	50	50	101	102	340	50	50	101	102
142A	77	74	400	339	50	50	101	102	338	55	55	101	102	338	55	55	101	101
145A	77	74	400	338	55	55	101	102	338	55	55	101	102	338	55	55	101	102
148A	77	74	400	338	55	55	101	102	338	55	55	101	102	338	55	55	101	102
151A	77	74	400	338	55	55	101	101	338	55	55	101	101	337	55	55	101	101
154A	77	74	400	336	60	60	101	101	335	60	60	101	101	335	60	60	101	101
157A	77	74	400	332	60	60	101	101	331	70	70	101	101	329	85	85	101	101

	PANEL NUMBER			FLOOR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
2	133A	77	74	77	9/16	36	401	401	3/8 X16	5/16	0	(6220)	4324	6120
	136A	77	74	77	9/16	36	401	401	7/16X16	5/16	0	4324	6120	4324
2	139A	77	74	77	9/16	36	401	401	7/16X16	5/16	0	(6220)	4324	6220
2	142A	77	74	77	9/16	36	401	401	7/16X16	5/16	0	4324	(6220)	4324
	145A	77	74	77	9/16	36	401	401	1/2 X16	5/16	0	6120	4324	6120
	148A	77	74	77	9/16	42	401	401	1/2 X16	5/16	0	4324	6220	4324
	151A	77	74	77	9/16	42	401	401	1/2 X16	5/16	0	6220	4324	6220
	154A	77	74	77	9/16	42	401	401	1/2 X16	5/16	0	4324	6120	4524
2	157A	77	74	77	9/16	65	401	413	1/2 X16	5/16	0	(6220)	(7020)	(7020)

	PANEL NUMBER			FLOOR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
	133A	77	74	75	9/16	42	401	401	7/16X16	5/16	0	6120	4424	6120
	136A	77	74	75	9/16	42	401	401	1/2 X16	5/16	0	4424	6120	4524
2	139A	77	74	75	9/16	42	401	402	1/2 X16	5/16	0	6120	(4524)	6220
	142A	77	74	75	9/16	45	402	402	1/2 X16	5/16	0	4324	6120	4324
	145A	77	74	75	9/16	42	402	402	9/16X16	5/16	0	6120	4324	6120
	148A	77	74	75	9/16	42	402	402	9/16X16	5/16	0	4324	6220	4324
	151A	77	74	75	9/16	45	402	402	9/16X16	5/16	0	6220	4324	6220
	154A	77	74	75	9/16	45	402	402	1/2 X16	5/16	0	4324	6120	4524
2	157A	77	74	75	9/16	60	402	413	9/16X16	5/16	0	(6320)	6020	(7020)



4-41-341

SKILLING-HELLE-CHRISTIANSEN-ROBERTSON — **Civil & Structural Engineers**

PROJECT: THE WORLD TRADE CENTER | TITLE: EXTERIOR WALL PANEL SCHEDULE | DATE: 12-5-67

REVISIONS

PANEL NUMBER			PANEL TYPE	COLUMN 1 TYPE	COL 1 FY1	COL 1 FY2	COL 1 CSU	COL 1 CSL	COLUMN 2 TYPE	COL 2 FY1	COL 2 FY2	COL 2 CSU	COL 2 CSL	COLUMN 3 TYPE	COL 3 FY1	COL 3 FY2	COL 3 CSU	COL 3 CSL
203A	77	74	400	325	100	100	101	101	325	100	100	101	101	325	100	100	101	101
206A	77	74	400	325	100	100	101	101	326	100	100	101	101	326	100	100	101	101
209A	77	74	400	326	100	100	101	101	326	100	100	101	101	326	85	85	101	101
212A	77	74	400	326	85	85	101	101	327	85	85	101	101	328	80	80	101	101
215A	77	74	400	329	75	75	101	101	330	70	70	101	101	331	70	70	101	101
218A	77	74	400	332	70	70	101	101	332	65	65	101	101	332	65	65	101	101
221A	77	74	400	332	65	65	101	101	331	65	65	101	101	331	65	65	101	101
224A	77	74	400	330	65	65	101	101	330	65	65	101	101	330	65	65	101	101
227A	77	74	400	330	65	65	101	101	330	65	65	101	101	330	65	65	101	101
230A	77	74	400	330	65	65	101	101	330	65	65	101	101	330	65	65	101	101

	PANEL NUMBER			FLOOR	SPANDREL PLATE T4	SPANDREL PLATE FY4	SPANDREL PLATE SCL	SPANDREL PLATE SCR	WELDMENTS NO 5	WELDMENTS NO 6	WELDMENTS NO 7	SEAT DETAIL COL 1	SEAT DETAIL COL 2	SEAT DETAIL COL 3
	203A	77	74	77	9/16	85	413	401	9/16X16	1/4	0	7494	6220	7010
2	206A	77	74	77	9/16	65	401	401	1/2 X16	1/4	0	6320	(7494)	6320
2	209A	77	74	77	9/16	65	401	401	1/2 X16	1/4	0	7010	6220	(7494)
	212A	77	74	77	9/16	60	401	401	1/2 X16	1/4	0	6220	7010	6220
	215A	77	74	77	9/16	50	401	401	5/16X16	5/16	0	7494	6320	7010
	218A	77	74	77	9/16	46	401	401	5/16X15	5/16	0	4524	6220	7354
	221A	77	74	77	9/16	45	401	401	5/16X14	5/16	0	6220	7354	6220
	224A	77	74	77	9/16	45	401	401	5/16X13	5/16	0	4284	6120	4184
	227A	77	74	77	9/16	45	401	401	5/16X12	5/16	0	6120	4184	6220
	230A	77	74	77	9/16	45	401	401	5/16X11	5/16	0	4184	6220	4184

	PANEL NUMBER			FLOOR	SPANDREL PLATE T4	SPANDREL PLATE FY4	SPANDREL PLATE SCL	SPANDREL PLATE SCR	WELDMENTS NO 5	WELDMENTS NO 6	WELDMENTS NO 7	SEAT DETAIL COL 1	SEAT DETAIL COL 2	SEAT DETAIL COL 3
2	203A	77	74	75	9/16	80	413	402	5/8 X16	1/4	0	(4064)	6120	(4064)
2	206A	77	74	75	9/16	65	402	401	9/16X16	1/4	0	6120	(7010)	6120
2	209A	77	74	75	9/16	60	401	401	9/16X16	1/4	0	(4064)	6120	7364
	212A	77	74	75	9/16	60	401	401	1/2 X16	1/4	0	6220	7364	6120
	215A	77	74	75	9/16	50	401	401	3/8 X16	5/16	0	7364	6120	7364
	218A	77	74	75	9/16	42	401	401	3/8 X16	5/16	0	4524	6120	4174
	221A	77	74	75	9/16	42	401	401	5/16X16	5/16	0	6220	4174	6120
	224A	77	74	75	9/16	42	401	401	5/16X14	5/16	0	4174	6120	4174
	227A	77	74	75	9/16	42	401	401	5/16X13	5/16	0	6120	4174	6120
	230A	77	74	75	9/16	36	401	401	5/16X12	5/16	0	4174	6220	4174

LICENSED PROFESSIONAL ENGINEER LESLIE E. ROBERTSON UNIVERSITY OF ILLINOIS

4-A1-342

SKILLING-HELLE-CHRISTIANSEN-ROBERTSON — **Civil & Structural Engineers**

PROJECT: THE WORLD TRADE CENTER | TITLE: EXTERIOR WALL PANEL SCHEDULE | DATE: 12-5-67

REVISIONS

PANEL NUMBER	PANEL TYPE	COLUMN 1 TYPE	COL 1 FY1	COL 1 FY2	COL 1 CSU	COL 1 CSL	COLUMN 2 TYPE	COL 2 FY1	COL 2 FY2	COL 2 CSU	COL 2 CSL	COLUMN 3 TYPE	COL 3 FY1	COL 3 FY2	COL 3 CSU	COL 3 CSL
233A 77 74	400	330	60	60	101	101	330	60	60	101	101	330	60	60	101	101
236A 77 74	400	330	60	60	101	101	330	60	60	101	101	330	60	60	101	101
239A 77 74	400	331	55	55	101	101	331	60	60	101	101	332	60	60	101	101
242A 77 74	400	332	60	60	101	101	332	60	60	101	101	332	60	60	101	101
245A 77 74	400	331	60	60	101	101	330	65	65	101	101	329	70	70	101	101
248A 77 74	400	328	75	75	101	101	327	80	80	101	101	326	80	80	101	101
251A 77 74	400	326	80	80	101	101	326	85	85	101	101	326	85	85	101	101
254A 77 74	400	326	90	90	101	101	326	90	90	101	101	325	90	90	101	101
257A 77 74	400	325	90	90	101	101	325	90	90	101	101	325	100	100	101	101

	PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SPAN FY4	SPAN SCL	SPAN SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
	233A 77 74	77	9/16	42	401	401	5/16X12	5/16	0	6220	4184	6120
	236A 77 74	77	9/16	42	401	401	5/16X12	5/16	0	4184	6120	4184
	239A 77 74	77	9/16	42	401	401	5/16X13	5/16	0	6220	4184	6220
	242A 77 74	77	9/16	42	401	401	5/16X14	5/16	0	4184	6220	4524
	245A 77 74	77	9/16	46	401	401	5/16X14	5/16	0	7010	6320	7494
	248A 77 74	77	9/16	55	401	401	3/8 X16	1/4	0	6220	7010	6220
2	251A 77 74	77	9/16	60	401	401	7/16X16	1/4	0	(7494)	6220	7010
2	254A 77 74	77	9/16	60	401	401	7/16X16	1/4	0	6320	(7494)	6320
	257A 77 74	77	9/16	75	401	412	1/2 X16	1/4	0	7010	6220	7494

	PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SPAN FY4	SPAN SCL	SPAN SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
	233A 77 74	75	9/16	36	401	401	5/16X13	5/16	0	6120	4174	6120
	236A 77 74	75	9/16	36	401	401	5/16X13	5/16	0	4174	6120	4174
	239A 77 74	75	9/16	36	401	401	5/16X14	5/16	0	6120	4174	6220
	242A 77 74	75	9/16	36	401	401	5/16X15	5/16	0	4174	6120	4524
	245A 77 74	75	9/16	42	401	401	5/16X15	5/16	0	7364	6120	7364
	248A 77 74	75	9/16	50	401	401	7/16X16	1/4	0	6120	7364	6220
2	251A 77 74	75	9/16	50	401	401	7/16X16	1/4	0	7364	6120	(4064)
2	254A 77 74	75	9/16	55	401	401	7/16X16	1/4	0	6120	(7010)	6120
2	257A 77 74	75	9/16	70	401	412	9/16X16	1/4	0	(4064)	6120	(4064)

LICENSED PROFESSIONAL ENGINEER LESLIE E ROBERTSON

4-21-343

SKILLING-HELLE-CHRISTIANSEN-ROBERTSON — **Civil & Structural Engineers**

PROJECT: THE WORLD TRADE CENTER | TITLE: EXTERIOR WALL PANEL SCHEDULE | DATE: 12-5-67

REVISIONS

PANEL NUMBER	PANEL TYPE	COLUMN 1 TYPE	FY1	FY2	CSU	CSL	COLUMN 2 TYPE	FY1	FY2	CSU	CSL	COLUMN 3 TYPE	FY1	FY2	CSU	CSL
303A 77 74	400	329	75	75	101	101	331	65	65	101	101	332	55	55	101	101
306A 77 74	400	335	55	55	101	101	335	55	55	101	101	336	55	55	101	101
309A 77 74	400	337	50	50	101	101	338	50	50	101	101	338	50	50	101	101
312A 77 74	400	338	50	50	101	102	338	50	50	101	102	338	50	50	101	102
315A 77 74	400	338	50	50	101	102	338	50	50	101	102	338	50	50	101	102
318A 77 74	400	338	50	50	101	101	338	50	50	101	101	338	50	50	101	101
321A 77 74	400	338	50	50	101	102	338	50	50	101	102	338	50	50	101	102
324A 77 74	400	338	50	50	101	102	338	50	50	101	102	338	50	50	101	102
327A 77 74	400	338	50	50	101	101	338	50	50	101	101	338	50	50	101	102
330A 77 74	400	339	50	50	101	102	340	50	50	101	102	340	50	50	101	102

	PANEL NUMBER	FLOOR	SPANDREL PLATE T4	FY4	SCL	SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
2	303A 77 74	77	9/16	60	412	401	7/16X16	5/16	0	7020	(7020)	6220
	306A 77 74	77	9/16	42	401	401	3/8 X16	5/16	0	4524	6120	4324
	309A 77 74	77	9/16	36	401	401	3/8 X16	5/16	0	6220	4324	6220
2	312A 77 74	77	9/16	36	401	401	3/8 X16	5/16	0	4324	(6220)	4324
	315A 77 74	77	9/16	36	401	401	3/8 X16	5/16	0	6120	4324	6120
2	318A 77 74	77	9/16	36	401	401	5/16X16	5/16	0	4324	(6220)	4324
2	321A 77 74	77	9/16	36	401	401	5/16X15	5/16	0	6220	4324	(6220)
	324A 77 74	77	9/16	36	401	401	5/16X15	5/16	0	4324	6120	4324
2	327A 77 74	77	9/16	36	401	401	5/16X14	5/16	0	6120	4324	(6220)
	330A 77 74	77	9/16	36	401	401	5/16X15	5/16	0	4424	6220	4424

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	FY4	SCL	SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
303A 77 74	75	9/16	55	412	401	1/2 X16	5/16	0	7020	6020	6320
306A 77 74	75	9/16	42	401	401	7/16X16	5/16	0	4524	6120	4324
309A 77 74	75	9/16	42	401	401	7/16X16	5/16	0	6120	4324	6220
312A 77 74	75	9/16	42	401	401	7/16X16	5/16	0	4324	6120	4324
315A 77 74	75	9/16	42	401	401	7/16X16	5/16	0	6120	4324	6120
318A 77 74	75	9/16	42	401	401	3/8 X16	5/16	0	4324	6120	4324
321A 77 74	75	9/16	42	401	401	3/8 X16	5/16	0	6220	4324	6120
324A 77 74	75	9/16	42	401	401	5/16X16	5/16	0	4324	6120	4324
327A 77 74	75	9/16	42	401	401	5/16X15	5/16	0	6120	4324	6120
330A 77 74	75	9/16	45	401	401	3/8 X16	5/16	0	4424	6220	(4524)

LICENSED PROFESSIONAL ENGINEER LESLIE E. ROBERTSON UNIVERSITY OF UTAH

4-A1-344

SKILLING-HELLE-CHRISTIANSEN-ROBERTSON — **Civil & Structural Engineers**

PROJECT: THE WORLD TRADE CENTER | TITLE: EXTERIOR WALL PANEL SCHEDULE | DATE: 12-5-67

REVISIONS

	PANEL NUMBER	PANEL TYPE	COLUMN 1 TYPE	COL 1 FY1	COL 1 FY2	COL 1 CSU	COL 1 CSL	COLUMN 2 TYPE	COL 2 FY1	COL 2 FY2	COL 2 CSU	COL 2 CSL	COLUMN 3 TYPE	COL 3 FY1	COL 3 FY2	COL 3 CSU	COL 3 CSL
	333A 77 74	400	340	50	50	101	102	340	50	50	101	102	340	50	50	101	102
	336A 77 74	400	340	50	50	101	102	340	55	55	101	102	340	55	55	101	102
	339A 77 74	400	340	55	55	101	102	340	55	55	101	102	340	55	55	101	102
	342A 77 74	400	339	55	55	101	102	338	55	55	101	102	338	55	55	101	101
	345A 77 74	400	338	55	55	101	102	338	55	55	101	102	338	55	55	101	102
	348A 77 74	400	338	55	55	101	102	338	55	55	101	102	338	55	55	101	102
	351A 77 74	400	338	55	55	101	101	338	55	55	101	101	337	55	55	101	101
	354A 77 74	400	336	55	55	101	101	335	60	60	101	101	335	60	60	101	101
	357A 77 74	400	332	60	60	101	101	331	65	65	101	101	329	80	80	101	101

	PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
2	333A 77 74	77	9/16	36	401	401	3/8 X16	5/16	0	(6220)	4324	6120
	336A 77 74	77	9/16	36	401	401	7/16X16	5/16	0	4324	6120	4324
2	339A 77 74	77	9/16	36	401	401	7/16X16	5/16	0	(6220)	4324	6220
2	342A 77 74	77	9/16	42	401	401	7/16X16	5/16	0	4324	(6220)	4324
	345A 77 74	77	9/16	42	401	401	7/16X16	5/16	0	6120	4324	6120
	348A 77 74	77	9/16	42	401	401	1/2 X16	5/16	0	4324	6220	4324
	351A 77 74	77	9/16	42	401	401	1/2 X16	5/16	0	6220	4324	6220
	354A 77 74	77	9/16	42	401	401	7/16X16	5/16	0	4324	6120	4524
2	357A 77 74	77	9/16	65	401	413	1/2 X16	5/16	0	(6220)	(7020)	(7020)

	PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
	333A 77 74	75	9/16	45	401	401	7/16X16	5/16	0	6120	4324	6120
	336A 77 74	75	9/16	46	401	401	7/16X16	5/16	0	4424	6120	4524
2	339A 77 74	75	9/16	46	401	401	1/2 X16	5/16	0	6120	(4524)	6220
	342A 77 74	75	9/16	46	401	402	1/2 X16	5/16	0	4324	6120	4324
	345A 77 74	75	9/16	45	402	402	1/2 X16	5/16	0	6120	4324	6120
	348A 77 74	75	9/16	45	402	402	1/2 X16	5/16	0	4324	6220	4324
	351A 77 74	75	9/16	45	402	402	9/16X16	5/16	0	6220	4324	6220
	354A 77 74	75	9/16	45	402	402	1/2 X16	5/16	0	4324	6120	4524
2	357A 77 74	75	9/16	55	402	413	9/16X16	5/16	0	(6320)	6020	(7020)

LICENSED PROFESSIONAL ENGINEER — LESLIE E. ROBERTSON — No. 54960 — STATE OF NEW YORK

4-A1-345

SKILLING-HELLE-CHRISTIANSEN-ROBERTSON — **Civil & Structural Engineers**

PROJECT: THE WORLD TRADE CENTER | TITLE: EXTERIOR WALL PANEL SCHEDULE | DATE: 12-5-67

REVISIONS

PANEL NUMBER			PANEL TYPE	COLUMN 1 TYPE	COL 1 FY1	COL 1 FY2	COL 1 CSU	COL 1 CSL	COLUMN 2 TYPE	COL 2 FY1	COL 2 FY2	COL 2 CSU	COL 2 CSL	COLUMN 3 TYPE	COL 3 FY1	COL 3 FY2	COL 3 CSU	COL 3 CSL
403A	77	74	400	325	100	100	101	101	325	100	100	101	101	325	90	90	101	101
406A	77	74	400	325	90	90	101	101	326	90	90	101	101	326	90	90	101	101
409A	77	74	400	326	90	90	101	101	326	90	90	101	101	326	80	80	101	101
412A	77	74	400	326	80	80	101	101	327	80	80	101	101	328	75	75	101	101
415A	77	74	400	329	70	70	101	101	330	65	65	101	101	331	60	60	101	101
418A	77	74	400	332	60	60	101	101	332	60	60	101	101	332	60	60	101	101
421A	77	74	400	332	60	60	101	101	331	60	60	101	101	331	60	60	101	101
424A	77	74	400	330	60	60	101	101	330	60	60	101	101	330	60	60	101	101
427A	77	74	400	330	60	60	101	101	330	60	60	101	101	330	60	60	101	101
430A	77	74	400	330	65	65	101	101	330	65	65	101	101	330	65	65	101	101

	PANEL NUMBER			FLOOR	SPANDREL PLATE T4	SPANDREL PLATE FY4	SPANDREL PLATE SCL	SPANDREL PLATE SCR	WELDMENTS NO 5	WELDMENTS NO 6	WELDMENTS NO 7	SEAT DETAIL COL 1	SEAT DETAIL COL 2	SEAT DETAIL COL 3
	403A	77	74	77	9/16	80	413	401	9/16X16	1/4	0	7494	6220	7010
2	406A	77	74	77	9/16	65	401	401	1/2 X16	1/4	0	6320	(7494)	6320
2	409A	77	74	77	9/16	65	401	401	1/2 X16	1/4	0	7010	6220	(7494)
	412A	77	74	77	9/16	55	401	401	7/16X16	1/4	0	6220	7010	.6220
	415A	77	74	77	9/16	50	401	401	5/16X16	5/16	0	7494	6320	7010
	418A	77	74	77	9/16	42	401	401	5/16X15	5/16	0	4524	6220	4284
	421A	77	74	77	9/16	42	401	401	5/16X14	5/16	0	6220	7464	6220
	424A	77	74	77	9/16	42	401	401	5/16X13	5/16	0	7464	6120	7464
	427A	77	74	77	9/16	42	401	401	5/16X12	5/16	0	6120	4284	6220
	430A	77	74	77	9/16	45	401	401	5/16X12	5/16	0	4184	6220	4184

	PANEL NUMBER			FLOOR	SPANDREL PLATE T4	SPANDREL PLATE FY4	SPANDREL PLATE SCL	SPANDREL PLATE SCR	WELDMENTS NO 5	WELDMENTS NO 6	WELDMENTS NO 7	SEAT DETAIL COL 1	SEAT DETAIL COL 2	SEAT DETAIL COL 3
2	403A	77	74	75	9/16	75	413	401	5/8 X16	1/4	0	(4064)	6120	(4064)
2	406A	77	74	75	9/16	60	401	401	9/16X16	1/4	0	6120	(7010)	6120
2	409A	77	74	75	9/16	55	401	401	9/16X16	1/4	0	(4064)	6120	7364
	412A	77	74	75	9/16	50	401	401	1/2 X16	1/4	0	6220	7364	6120
	415A	77	74	75	9/16	45	401	401	3/8 X16	5/16	0	7364	6120	7364
	418A	77	74	75	9/16	36	401	401	3/8 X16	5/16	0	4524	6120	4174
	421A	77	74	75	9/16	36	401	401	5/16X15	5/16	0	6220	4174	6120
	424A	77	74	75	9/16	36	401	401	5/16X14	5/16	0	4174	6120	4174
	427A	77	74	75	9/16	36	401	401	5/16X13	5/16	0	6120	4174	6120
	430A	77	74	75	9/16	36	401	401	5/16X12	5/16	0	4174	6220	4174

LICENSED PROFESSIONAL ENGINEER — LESLIE E. ROBERTSON — NO. 34[illegible] — UNIVERSITY OF THE STATE

4-A1-246

SKILLING-HELLE-CHRISTIANSEN-ROBERTSON — **Civil & Structural Engineers**

PROJECT: THE WORLD TRADE CENTER | TITLE: EXTERIOR WALL PANEL SCHEDULE | DATE: 12-5-67

REVISIONS

PANEL NUMBER			PANEL TYPE	COLUMN 1 TYPE	COL 1 FY1	COL 1 FY2	COL 1 CSU	COL 1 CSL	COLUMN 2 TYPE	COL 2 FY1	COL 2 FY2	COL 2 CSU	COL 2 CSL	COLUMN 3 TYPE	COL 3 FY1	COL 3 FY2	COL 3 CSU	COL 3 CSL
433A	77	74	400	330	65	65	101	101	330	65	65	101	101	330	65	65	101	101
436A	77	74	400	330	65	65	101	101	330	65	65	101	101	330	65	65	101	101
439A	77	74	400	331	65	65	101	101	331	65	65	101	101	332	65	65	101	101
442A	77	74	400	332	65	65	101	101	332	65	65	101	101	332	65	65	101	101
445A	77	74	400	331	65	65	101	101	330	70	70	101	101	329	75	75	101	101
448A	77	74	400	328	80	80	101	101	327	85	85	101	101	326	85	85	101	101
451A	77	74	400	326	85	85	101	101	326	90	90	101	101	326	90	90	101	101
454A	77	74	400	326	90	90	101	101	326	90	90	101	101	325	90	90	101	101
457A	77	74	400	325	100	100	101	101	325	100	100	101	101	325	100	100	101	101

	PANEL NUMBER			FLOOR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
	433A	77	74	77	9/16	45	401	401	5/16X12	5/16	0	6220	4184	6120
	436A	77	74	77	9/16	45	401	401	5/16X13	5/16	0	4184	6120	4284
	439A	77	74	77	9/16	45	401	401	5/16X14	5/16	0	6220	7354	6220
	442A	77	74	77	9/16	45	401	401	5/16X14	5/16	0	7354	6220	4524
	445A	77	74	77	9/16	50	401	401	5/16X15	5/16	0	7010	6320	7494
	448A	77	74	77	9/16	60	401	401	7/16X16	1/4	0	6220	7010	6220
2	451A	77	74	77	9/16	65	401	401	7/16X16	1/4	0	(7494)	6220	7010
2	454A	77	74	77	9/16	65	401	401	7/16X16	1/4	0	6320	(7494)	6320
	457A	77	74	77	9/16	80	401	412	9/16X16	1/4	0	7010	6220	7494

	PANEL NUMBER			FLOOR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
	433A	77	74	75	9/16	36	401	401	5/16X13	5/16	0	6120	4174	6120
	436A	77	74	75	9/16	42	401	401	5/16X14	5/16	0	4174	6120	4174
	439A	77	74	75	9/16	42	401	401	5/16X15	5/16	0	6120	4174	6220
	442A	77	74	75	9/16	42	401	401	5/16X16	5/16	0	4174	6120	4524
	445A	77	74	75	9/16	46	401	401	3/8 X16	5/16	0	7364	6120	7364
	448A	77	74	75	9/16	55	401	401	1/2 X16	1/4	0	6120	7364	6220
2	451A	77	74	75	9/16	55	401	401	1/2 X16	1/4	0	7364	6120	(4064)
2	454A	77	74	75	9/16	60	401	401	1/2 X16	1/4	0	6120	(7010)	6120
2	457A	77	74	75	9/16	75	401	413	9/16X16	1/4	0	(4064)	6120	(4064)

LICENSED PROFESSIONAL ENGINEER — LESLIE E. ROBERTSON — NO. 24560 — STATE OF NEW YORK

4-A1-347

WORTHINGTON, SKILLING, HELLE & JACKSON Civil & Structural Engineers

PROJECT: THE WORLD TRADE CENTER | TITLE: EXTERIOR WALL PANEL SCHEDULE | DATE: 6-5-67

REVISIONS

PANEL NUMBER	PANEL TYPE	COLUMN 1 TYPE	COL 1 FY1	COL 1 FY2	COL 1 CSU	COL 1 CSL	COLUMN 2 TYPE	COL 2 FY1	COL 2 FY2	COL 2 CSU	COL 2 CSL	COLUMN 3 TYPE	COL 3 FY1	COL 3 FY2	COL 3 CSU	COL 3 CSL
100A 77 74	420	329	100	100	101	101	431	100	100	0	0	331	80	80	101	101
300A 77 74	420	329	90	90	101	101	431	90	90	0	0	331	75	75	101	101

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
100A 77 74	77	9/16	65	412	412	9/16X16	5/16	0	6620	6020	6720
300A 77 74	77	9/16	60	412	412	9/16X16	5/16	0	6620	6020	6720

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
100A 77 74	75	9/16	60	413	413	5/8 X16	5/16	0	6520	6020	6820
300A 77 74	75	9/16	55	412	412	5/8 X16	5/16	0	6520	6020	6820

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

4-A1-348

WORTHINGTON, SKILLING, HELLE & JACKSON Civil & Structural Engineers

PROJECT: THE WORLD TRADE CENTER | TITLE: EXTERIOR WALL PANEL SCHEDULE | DATE: 6-5-67

REVISIONS

PANEL NUMBER			PANEL TYPE	COLUMN 1					COLUMN 2					COLUMN 3				
				TYPE	FY1	FY2	CSU	CSL	TYPE	FY1	FY2	CSU	CSL	TYPE	FY1	FY2	CSU	CSL
200A	77	74	410	331	85	85	101	101	531	100	100	121	121	329	100	100	101	101
400A	77	74	410	331	80	80	101	101	531	100	100	121	121	329	100	100	101	101

PANEL NUMBER			FLOOR	SPANDREL PLATE T4	SPANDREL PLATE FY4	SPANDREL PLATE SCL	SPANDREL PLATE SCR	WELDMENTS NO 5	WELDMENTS NO 6	WELDMENTS NO 7	SEAT DETAIL COL 1	SEAT DETAIL COL 2	SEAT DETAIL COL 3
200A	77	74	77	9/16	65	413	413	5/8 X16	5/16	0	6520	6020	6820
400A	77	74	77	9/16	65	413	413	5/8 X16	5/16	0	6520	6020	6820

PANEL NUMBER			FLOOR	SPANDREL PLATE T4	SPANDREL PLATE FY4	SPANDREL PLATE SCL	SPANDREL PLATE SCR	WELDMENTS NO 5	WELDMENTS NO 6	WELDMENTS NO 7	SEAT DETAIL COL 1	SEAT DETAIL COL 2	SEAT DETAIL COL 3
200A	77	74	75	9/16	65	413	413	11/16X16	5/16	0	6620	6020	6720
400A	77	74	75	9/16	60	413	413	11/16X16	5/16	0	6620	6020	6720

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

4-A1-349

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

PROJECT: THE WORLD TRADE CENTER | TITLE: EXTERIOR WALL PANEL SCHEDULE | DATE: 6-5-67

REVISIONS

PANEL NUMBER			PANEL TYPE	COLUMN 1 TYPE	COL 1 FY1	COL 1 FY2	COL 1 CSU	COL 1 CSL	COLUMN 2 TYPE	COL 2 FY1	COL 2 FY2	COL 2 CSU	COL 2 CSL	COLUMN 3 TYPE	COL 3 FY1	COL 3 FY2	COL 3 CSU	COL 3 CSL
103A	78	77	101	124	80	80	441	101	126	65	65	431	101	128	60	60	431	101
112A	78	77	101	132	50	50	431	101	132	50	50	431	101	132	50	50	431	101
121A	78	77	101	132	45	45	431	101	132	45	45	431	101	132	45	45	431	101
130A	78	77	101	132	45	45	431	101	132	45	45	431	101	132	45	45	431	101
139A	78	77	101	132	50	50	431	101	132	50	50	431	101	132	50	50	431	101
148A	78	77	101	132	50	50	441	101	132	50	50	441	101	132	50	50	441	101
157A	78	77	101	128	65	65	441	101	126	70	70	441	101	124	85	85	441	101

PANEL NUMBER			FLOOR	SPANDREL PLATE T4	SPD FY4	SPD SCL	SPD SCR	WELDMENTS NO 5	WELD NO 6	WELD NO 7	SEAT DETAIL COL 1	SEAT COL 2	SEAT COL 3
103A	78	77	78	7/16	65	113	104	3/8 X16	1/4	0	5310	3311	5210
112A	78	77	78	7/16	42	104	104	5/16X13	5/16	0	3311	5210	3411
121A	78	77	78	7/16	42	104	103	5/16X11	5/16	0	5210	3411	5210
130A	78	77	78	7/16	42	103	103	5/16X11	5/16	0	3411	5210	3411
139A	78	77	78	7/16	42	104	104	5/16X13	5/16	0	5210	3411	5210
148A	78	77	78	7/16	45	104	104	5/16X14	5/16	0	3411	5210	3511
157A	78	77	78	7/16	70	104	113	7/16X16	1/4	0	5210	3311	5110

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

4-A1-350

SKILLING-HELLE-CHRISTIANSEN-ROBERTSON — **Civil & Structural Engineers**

PROJECT: THE WORLD TRADE CENTER | TITLE: EXTERIOR WALL PANEL SCHEDULE | DATE: 12-5-67

REVISIONS

PANEL NUMBER	PANEL TYPE	COLUMN 1 TYPE	COL 1 FY1	COL 1 FY2	COL 1 CSU	COL 1 CSL	COLUMN 2 TYPE	COL 2 FY1	COL 2 FY2	COL 2 CSU	COL 2 CSL	COLUMN 3 TYPE	COL 3 FY1	COL 3 FY2	COL 3 CSU	COL 3 CSL
203A 78 77	101	121	100	100	441	101	121	100	100	431	101	121	100	100	431	101
212A 78 77	101	122	90	90	431	101	123	85	85	431	101	123	85	85	431	101
221A 78 77	101	126	65	65	431	101	126	65	65	431	101	126	65	65	431	101
230A 78 77	101	125	65	65	421	101	125	65	65	421	101	125	60	60	421	101
239A 78 77	101	126	55	55	421	101	126	60	60	421	101	126	60	60	431	101
248A 78 77	101	123	75	75	431	101	123	75	75	431	101	122	80	80	431	101
257A 78 77	101	121	100	100	431	101	121	100	100	431	101	121	100	100	431	101

	PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
	203A 78 77	78	7/16	85	113	104	7/16X16	1/4	0	3013	5210	5010
	212A 78 77	78	7/16	65	104	104	5/16X16	1/4	0	5210	5010	5210
2	221A 78 77	78	7/16	45	103	103	1/4 X14	1/4	0	5210	7220	5210
2	230A 78 77	78	7/16	42	103	102	1/4 X11	1/4	0	7220	5210	7220
2	239A 78 77	78	7/16	42	103	103	1/4 X13	1/4	0	5210	7440	5210
	248A 78 77	78	7/16	55	103	103	1/4 X16	1/4	0	5210	5010	5210
	257A 78 77	78	7/16	80	104	113	3/8 X16	1/4	0	5010	5210	3013

LICENSED PROFESSIONAL ENGINEER — LESLIE E. ROBERTSON — NO. 5440 — STATE OF ILLINOIS

4-A1-351

WORTHINGTON, SKILLING, HELLE & JACKSON Civil & Structural Engineers

PROJECT: THE WORLD TRADE CENTER | TITLE: EXTERIOR WALL PANEL SCHEDULE | DATE: 6-5-67

REVISIONS

PANEL NUMBER		PANEL TYPE	COLUMN 1					COLUMN 2					COLUMN 3				
			TYPE	FY1	FY2	CSU	CSL	TYPE	FY1	FY2	CSU	CSL	TYPE	FY1	FY2	CSU	CSL
303A	78 77	101	124	80	80	441	101	126	65	65	431	101	128	60	60	431	101
312A	78 77	101	132	50	50	431	101	132	50	50	431	101	132	50	50	431	101
321A	78 77	101	132	46	46	431	101	132	46	46	431	101	132	46	46	431	101
330A	78 77	101	132	50	50	431	101	132	50	50	431	101	132	50	50	431	101
339A	78 77	101	132	55	55	431	101	132	55	55	431	101	132	55	55	431	101
348A	78 77	101	132	55	55	441	101	132	55	55	441	101	132	55	55	441	101
357A	78 77	101	128	60	60	441	101	124	70	70	441	101	124	85	85	441	101

PANEL NUMBER		FLOOR	SPANDREL PLATE				WELDMENTS			SEAT DETAIL		
			T4	FY4	SCL	SCR	NO 5	NO 6	NO 7	COL 1	COL 2	COL 3
303A	78 77	78	7/16	60	113	104	5/16X16	1/4	0	5110	3311	5210
312A	78 77	78	7/16	42	104	104	5/16X12	5/16	0	3511	5210	3411
321A	78 77	78	7/16	42	103	103	5/16X11	5/16	0	5210	3411	5210
330A	78 77	78	7/16	42	103	103	5/16X11	5/16	0	3411	5210	3411
339A	78 77	78	7/16	45	104	104	5/16X13	5/16	0	5210	3411	5210
348A	78 77	78	7/16	45	104	104	5/16X14	5/16	0	3411	5210	3511
357A	78 77	78	7/16	65	104	113	7/16X16	1/4	0	5210	3311	5110

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

4-A1-352

SKILLING-HELLE-CHRISTIANSEN-ROBERTSON — **Civil & Structural Engineers**

PROJECT: THE WORLD TRADE CENTER | TITLE: EXTERIOR WALL PANEL SCHEDULE | DATE: 12-5-67

REVISIONS

PANEL NUMBER	PANEL TYPE	COLUMN 1 TYPE	COL 1 FY1	COL 1 FY2	COL 1 CSU	COL 1 CSL	COLUMN 2 TYPE	COL 2 FY1	COL 2 FY2	COL 2 CSU	COL 2 CSL	COLUMN 3 TYPE	COL 3 FY1	COL 3 FY2	COL 3 CSU	COL 3 CSL
403A 78 77	101	121	100	100	441	101	121	100	100	431	101	121	100	100	431	101
412A 78 77	101	122	85	85	431	101	123	80	80	431	101	123	80	80	431	101
421A 78 77	101	126	60	60	431	101	126	60	60	431	101	126	60	60	431	101
430A 78 77	101	125	60	60	421	101	125	65	65	421	101	125	65	65	421	101
439A 78 77	101	126	65	65	431	101	126	65	65	431	101	126	65	65	431	101
448A 78 77	101	123	80	80	431	101	123	80	80	431	101	122	90	90	431	101
457A 78 77	101	121	100	100	431	101	121	100	100	431	101	121	100	100	441	101

	PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SPANDREL PLATE FY4	SPANDREL PLATE SCL	SPANDREL PLATE SCR	WELDMENTS NO 5	WELDMENTS NO 6	WELDMENTS NO 7	SEAT DETAIL COL 1	SEAT DETAIL COL 2	SEAT DETAIL COL 3
	403A 78 77	78	7/16	85	113	104	7/16X16	1/4	0	3013	5210	5010
	412A 78 77	78	7/16	60	104	104	5/16X16	1/4	0	5210	5010	5210
2	421A 78 77	78	7/16	42	103	103	1/4 X14	1/4	0	5210	(7440)	5210
2	430A 78 77	78	7/16	45	103	103	1/4 X11	1/4	0	(7230)	5210	(7230)
2	439A 78 77	78	7/16	45	103	103	1/4 X14	1/4	0	5210	(7220)	5210
	448A 78 77	78	7/16	60	103	104	5/16X16	1/4	0	5210	5010	5210
	457A 78 77	78	7/16	85	104	113	3/8 X16	1/4	0	5010	5210	3013

LICENSED PROFESSIONAL ENGINEER LESLIE E. ROBERTSON No. 34360 REGISTERED TO PRACTICE IN THE STATE OF NEW YORK

4-A1-353

WORTHINGTON, SKILLING, HELLE & JACKSON Civil & Structural Engineers

PROJECT THE WORLD TRADE CENTER | TITLE EXTERIOR WALL PANEL SCHEDULE | DATE 6-5-67

REVISIONS

PANEL NUMBER	PANEL TYPE	COLUMN 1 TYPE	COL 1 FY1	COL 1 FY2	COL 1 CSU	COL 1 CSL	COLUMN 2 TYPE	COL 2 FY1	COL 2 FY2	COL 2 CSU	COL 2 CSL	COLUMN 3 TYPE	COL 3 FY1	COL 3 FY2	COL 3 CSU	COL 3 CSL
200A 78 77	111	126	85	85	491	101	526	100	100	0	121	124	100	100	441	101
400A 78 77	111	126	85	85	491	101	526	100	100	0	121	124	100	100	491	101

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SPD FY4	SPD SCL	SPD SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
200A 78 77	78	7/16	70	113	113	1/2 X16	1/4	0	3313	5010	5610
400A 78 77	78	7/16	65	113	113	1/2 X16	1/4	0	3313	5010	5610

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

4-A1-354

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

PROJECT: THE WORLD TRADE CENTER | TITLE: EXTERIOR WALL PANEL SCHEDULE | DATE: 6-5-67

REVISIONS

PANEL NUMBER		PANEL TYPE	COLUMN 1 TYPE	COL 1 FY1	COL 1 FY2	COL 1 CSU	COL 1 CSL	COLUMN 2 TYPE	COL 2 FY1	COL 2 FY2	COL 2 CSU	COL 2 CSL	COLUMN 3 TYPE	COL 3 FY1	COL 3 FY2	COL 3 CSU	COL 3 CSL
109A	79 77	201	130	55	55	431	101	131	55	55	431	101	132	55	55	431	101
118A	79 77	201	132	55	55	431	101	132	55	55	431	101	132	55	55	431	101
127A	79 77	201	132	50	50	431	101	132	50	50	431	101	132	50	50	431	101
133A	79 77	201	132	50	50	431	101	132	50	50	431	101	132	50	50	431	101
142A	79 77	201	132	55	55	431	101	132	60	60	431	101	132	60	60	431	101
151A	79 77	201	132	60	60	441	101	131	60	60	441	101	130	60	60	441	101

PANEL NUMBER		FLOOR	SPANDREL PLATE T4	SPL FY4	SPL SCL	SPL SCR	WELDMENTS NO 5	WELD NO 6	WELD NO 7	SEAT DETAIL COL 1	COL 2	COL 3
109A	79 77	79	7/16	42	203	203	5/16X11	5/16	0	5210	1411	5210
118A	79 77	79	7/16	42	202	202	5/16X10	5/16	0	1411	5210	1411
127A	79 77	79	7/16	36	202	202	5/16X 9	5/16	0	5110	1411	5210
133A	79 77	79	7/16	36	202	202	5/16X10	5/16	0	5210	1411	5110
142A	79 77	79	7/16	42	203	203	5/16X12	5/16	0	1411	5210	1411
151A	79 77	79	7/16	42	203	203	5/16X12	5/16	0	5210	1411	5210

PANEL NUMBER		FLOOR	SPANDREL PLATE T4	SPL FY4	SPL SCL	SPL SCR	WELDMENTS NO 5	WELD NO 6	WELD NO 7	SEAT DETAIL COL 1	COL 2	COL 3
109A	79 77	78	7/16	42	104	104	5/16X13	5/16	0	5210	3411	5210
118A	79 77	78	7/16	42	104	104	5/16X12	5/16	0	3411	5210	3411
127A	79 77	78	7/16	42	103	103	5/16X10	5/16	0	5110	3411	5210
133A	79 77	78	7/16	42	103	104	5/16X12	5/16	0	5210	3411	5110
142A	79 77	78	7/16	42	104	104	5/16X14	5/16	0	3411	5210	3411
151A	79 77	78	7/16	45	104	104	5/16X14	5/16	0	5210	3411	5210

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

4-A1-355

SKILLING-HELLE-CHRISTIANSEN-ROBERTSON — **Civil & Structural Engineers**

PROJECT: THE WORLD TRADE CENTER | TITLE: EXTERIOR WALL PANEL SCHEDULE | DATE: 12-5-67

REVISIONS

PANEL NUMBER	PANEL TYPE	COLUMN 1 TYPE	COL 1 FY1	COL 1 FY2	COL 1 CSU	COL 1 CSL	COLUMN 2 TYPE	COL 2 FY1	COL 2 FY2	COL 2 CSU	COL 2 CSL	COLUMN 3 TYPE	COL 3 FY1	COL 3 FY2	COL 3 CSU	COL 3 CSL
209A 79 77	201	122	100	100	431	101	122	100	100	431	101	122	100	100	431	101
218A 79 77	201	126	70	70	431	101	126	70	70	431	101	126	70	70	431	101
227A 79 77	201	125	70	70	421	101	125	70	70	421	101	125	70	70	421	101
233A 79 77	201	125	65	65	421	101	125	65	65	421	101	125	65	65	421	101
242A 79 77	201	126	60	60	431	101	126	65	65	431	101	126	65	65	431	101
251A 79 77	201	122	90	90	431	101	122	100	100	431	101	122	100	100	431	101

	PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
	209A 79 77	79	7/16	70	203	203	5/16X16	1/4	0	5010	5210	1212
2	218A 79 77	79	7/16	50	202	202	1/4 X13	1/4	0	4511	5210	7221
2	227A 79 77	79	7/16	46	202	201	1/4 X10	1/4	0	5110	7441	5210
	233A 79 77	79	7/16	45	201	202	1/4 X10	1/4	0	5210	7221	5110
2	242A 79 77	79	7/16	45	202	202	1/4 X12	1/4	0	4241	5210	4511
	251A 79 77	79	7/16	70	202	202	1/4 X14	1/4	0	1212	5210	5010

	PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
	209A 79 77	78	7/16	65	104	104	5/16X16	1/4	0	5010	5210	3212
2	218A 79 77	78	7/16	46	103	103	1/4 X15	1/4	0	4510	5210	7220
2	227A 79 77	78	7/16	45	103	103	1/4 X12	1/4	0	5110	4540	5210
2	233A 79 77	78	7/16	42	102	103	1/4 X11	1/4	0	5210	7220	5110
	242A 79 77	78	7/16	42	103	103	1/4 X14	1/4	0	7441	5210	4510
	251A 79 77	78	7/16	60	103	103	5/16X16	1/4	0	3212	5210	5010

LICENSED PROFESSIONAL ENGINEER — LESLIE E. ROBERTSON — UNIVERSITY OF [illegible] — NO. [illegible]

4-41-356

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

PROJECT: THE WORLD TRADE CENTER | TITLE: EXTERIOR WALL PANEL SCHEDULE | DATE: 6-5-67

REVISIONS

PANEL NUMBER	PANEL TYPE	COLUMN 1 TYPE	COL 1 FY1	COL 1 FY2	COL 1 CSU	COL 1 CSL	COLUMN 2 TYPE	COL 2 FY1	COL 2 FY2	COL 2 CSU	COL 2 CSL	COLUMN 3 TYPE	COL 3 FY1	COL 3 FY2	COL 3 CSU	COL 3 CSL
309A 79 77	201	130	55	55	431	101	131	55	55	431	101	132	55	55	431	101
318A 79 77	201	132	55	55	431	101	132	55	55	431	101	132	55	55	431	101
327A 79 77	201	132	55	55	421	101	132	55	55	421	101	132	55	55	431	101
333A 79 77	201	132	55	55	431	101	132	55	55	431	101	132	55	55	431	101
342A 79 77	201	132	60	60	431	101	132	60	60	431	101	132	60	60	431	101
351A 79 77	201	132	60	60	431	101	131	60	60	431	101	130	60	60	431	101

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SPD FY4	SPD SCL	SPD SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
309A 79 77	79	7/16	42	202	202	5/16X11	5/16	0	5210	1411	5210
318A 79 77	79	7/16	42	202	202	5/16X10	5/16	0	1411	5210	1411
327A 79 77	79	7/16	42	202	202	5/16X 9	5/16	0	5110	1411	5210
333A 79 77	79	7/16	42	202	202	5/16X10	5/16	0	5210	1411	5110
342A 79 77	79	7/16	42	203	203	5/16X12	5/16	0	1411	5210	1411
351A 79 77	79	7/16	42	203	203	5/16X12	5/16	0	5210	1411	5210

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SPD FY4	SPD SCL	SPD SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
309A 79 77	78	7/16	42	104	104	5/16X12	5/16	0	5210	3411	5210
318A 79 77	78	7/16	42	103	103	5/16X11	5/16	0	3411	5210	3411
327A 79 77	78	7/16	42	103	103	5/16X10	5/16	0	5110	3411	5210
333A 79 77	78	7/16	45	103	104	5/16X12	5/16	0	5210	3411	5110
342A 79 77	78	7/16	45	104	104	5/16X14	5/16	0	3411	5210	3411
351A 79 77	78	7/16	45	104	104	5/16X14	5/16	0	5210	3411	5210

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

4-A1-357

SKILLING-HELLE-CHRISTIANSEN-ROBERTSON — **Civil & Structural Engineers**

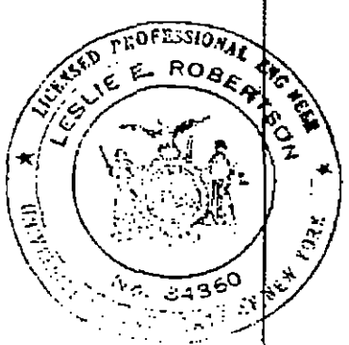
PROJECT: THE WORLD TRADE CENTER | TITLE: EXTERIOR WALL PANEL SCHEDULE | DATE: 12-5-67

REVISIONS

PANEL NUMBER	PANEL TYPE	COLUMN 1 TYPE	COL 1 FY1	COL 1 FY2	COL 1 CSU	COL 1 CSL	COLUMN 2 TYPE	COL 2 FY1	COL 2 FY2	COL 2 CSU	COL 2 CSL	COLUMN 3 TYPE	COL 3 FY1	COL 3 FY2	COL 3 CSU	COL 3 CSL
409A 79 77	201	122	100	100	431	101	122	100	100	431	101	122	90	90	431	101
418A 79 77	201	126	65	65	431	101	126	65	65	431	101	126	65	65	431	101
427A 79 77	201	125	65	65	421	101	125	65	65	421	101	125	65	65	421	101
433A 79 77	201	125	70	70	421	101	125	70	70	421	101	125	70	70	421	101
442A 79 77	201	126	70	70	431	101	126	70	70	431	101	126	70	70	431	101
451A 79 77	201	122	100	100	431	101	122	100	100	431	101	122	100	100	431	101

	PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SPANDREL PLATE FY4	SPANDREL PLATE SCL	SPANDREL PLATE SCR	WELDMENTS NO 5	WELDMENTS NO 6	WELDMENTS NO 7	SEAT DETAIL COL 1	SEAT DETAIL COL 2	SEAT DETAIL COL 3
	409A 79 77	79	7/16	70	203	203	1/4 X16	1/4	0	5010	5210	1212
	418A 79 77	79	7/16	45	202	202	1/4 X13	1/4	0	1611	5210	1111
	427A 79 77	79	7/16	45	202	201	1/4 X10	1/4	0	5110	1111	5210
	433A 79 77	79	7/16	46	201	202	1/4 X10	1/4	0	5210	1111	5110
2	442A 79 77	79	7/16	50	202	202	1/4 X13	1/4	0	(7241)	5210	(4531)
	451A 79 77	79	7/16	70	202	202	1/4 X15	1/4	0	1212	5210	5010

	PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SPANDREL PLATE FY4	SPANDREL PLATE SCL	SPANDREL PLATE SCR	WELDMENTS NO 5	WELDMENTS NO 6	WELDMENTS NO 7	SEAT DETAIL COL 1	SEAT DETAIL COL 2	SEAT DETAIL COL 3
	409A 79 77	78	7/16	60	104	104	3/8 X16	1/4	0	5010	5210	3212
2	418A 79 77	78	7/16	42	103	103	1/4 X15	1/4	0	4510	5210	(7440)
2	427A 79 77	78	7/16	42	103	103	1/4 X12	1/4	0	5110	(7230)	5210
2	433A 79 77	78	7/16	45	103	103	1/4 X12	1/4	0	5210	(4540)	5110
2	442A 79 77	78	7/16	45	103	103	1/4 X15	1/4	0	(7220)	5210	4510
	451A 79 77	78	7/16	60	104	104	5/16X16	1/4	0	3212	5210	5010



4-A1-358

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

PROJECT: THE WORLD TRADE CENTER | TITLE: EXTERIOR WALL PANEL SCHEDULE | DATE: 6-5-67

REVISIONS

PANEL NUMBER	PANEL TYPE	COLUMN 1 TYPE	COL 1 FY1	COL 1 FY2	COL 1 CSU	COL 1 CSL	COLUMN 2 TYPE	COL 2 FY1	COL 2 FY2	COL 2 CSU	COL 2 CSL	COLUMN 3 TYPE	COL 3 FY1	COL 3 FY2	COL 3 CSU	COL 3 CSL
100A 79 77	213	124	100	100	441	101	526	100	100	0	0	126	90	90	441	101
300A 79 77	213	124	100	100	441	101	526	100	100	0	0	126	90	90	441	101

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	WELD NO 6	WELD NO 7	SEAT DETAIL COL 1	SEAT COL 2	SEAT COL 3
100A 79 77	79	7/16	75	211	211	3/8 X16	1/4	0	5410	5010	1313
300A 79 77	79	7/16	75	211	211	3/8 X16	1/4	0	5410	5010	1313

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	WELD NO 6	WELD NO 7	SEAT DETAIL COL 1	SEAT COL 2	SEAT COL 3
100A 79 77	78	7/16	65	113	113	7/16X16	1/4	0	5410	5010	3313
300A 79 77	78	7/16	65	113	113	7/16X16	1/4	0	5410	5010	3313

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

4-A1-359

WORTHINGTON, SKILLING, HELLE & JACKSON Civil & Structural Engineers

PROJECT: THE WORLD TRADE CENTER | TITLE: EXTERIOR WALL PANEL SCHEDULE | DATE: 6-5-67

REVISIONS

PANEL NUMBER	PANEL TYPE	COLUMN 1 TYPE	COL 1 FY1	COL 1 FY2	COL 1 CSU	COL 1 CSL	COLUMN 2 TYPE	COL 2 FY1	COL 2 FY2	COL 2 CSU	COL 2 CSL	COLUMN 3 TYPE	COL 3 FY1	COL 3 FY2	COL 3 CSU	COL 3 CSL
106A 80 77	303	129	65	65	431	101	129	60	60	431	101	130	60	60	431	101
115A 80 77	303	132	55	55	431	101	132	55	55	431	101	132	55	55	431	101
124A 80 77	303	132	50	50	431	101	132	50	50	431	101	132	50	50	431	101
136A 80 77	303	132	50	50	431	101	132	50	50	431	101	132	55	55	431	101
145A 80 77	303	132	60	60	431	101	132	60	60	431	101	132	60	60	431	101
154A 80 77	303	130	65	65	431	101	129	65	65	431	101	129	65	65	431	101

PANEL NUMBER	FLOUR	SPANDREL PLATE T4	FY4	SCL	SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
106A 80 77	80	7/16	42	103	103	5/16X10	5/16	0	1311	5110	1411
115A 80 77	80	7/16	36	103	103	5/16X10	5/16	0	5110	1411	5110
124A 80 77	80	7/16	36	103	103	5/16X 9	5/16	0	1411	5110	1411
136A 80 77	80	7/16	36	103	103	5/16X10	5/16	0	1411	5110	1411
145A 80 77	80	7/16	42	104	104	5/16X11	5/16	0	5110	1411	5110
154A 80 77	80	7/16	45	104	104	5/16X11	5/16	0	1411	5110	1311

PANEL NUMBER	FLOUR	SPANDREL PLATE T4	FY4	SCL	SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
106A 80 77	79	7/16	42	203	203	5/16X11	5/16	0	1311	5110	1411
115A 80 77	79	7/16	42	203	202	5/16X11	5/16	0	5110	1411	5110
124A 80 77	79	7/16	36	202	202	5/16X 9	5/16	0	1411	5110	1411
136A 80 77	79	7/16	36	202	203	5/16X11	5/16	0	1411	5110	1411
145A 80 77	79	7/16	42	203	203	5/16X12	5/16	0	5110	1411	5110
154A 80 77	79	7/16	45	203	203	5/16X12	5/16	0	1411	5110	1311

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

PANEL NUMBER	FLOUR	SPANDREL PLATE T4	FY4	SCL	SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
106A 80 77	78	7/16	42	104	104	5/16X12	5/16	0	3311	5110	3411
115A 80 77	78	7/16	42	104	104	5/16X12	5/16	0	5110	3411	5110
124A 80 77	78	7/16	42	103	103	5/16X11	5/16	0	3411	5110	3411
136A 80 77	78	7/16	42	104	104	5/16X13	5/16	0	3411	5110	3411
145A 80 77	78	7/16	42	104	104	5/16X14	5/16	0	5110	3411	5110
154A 80 77	78	7/16	42	104	104	5/16X14	5/16	0	3411	5110	3311

4-A1-360

SKILLING-HELLE-CHRISTIANSEN-ROBERTSON — **Civil & Structural Engineers**

PROJECT: THE WORLD TRADE CENTER | TITLE: EXTERIOR WALL PANEL SCHEDULE | DATE: 12-5-67

REVISIONS

	PANEL NUMBER		PANEL TYPE	COLUMN 1 TYPE	COL 1 FY1	COL 1 FY2	COL 1 CSU	COL 1 CSL	COLUMN 2 TYPE	COL 2 FY1	COL 2 FY2	COL 2 CSU	COL 2 CSL	COLUMN 3 TYPE	COL 3 FY1	COL 3 FY2	COL 3 CSU	COL 3 CSL
	206A	80 77	303	122	100	100	431	101	122	100	100	431	101	122	100	100	431	101
	215A	80 77	303	124	90	90	431	101	125	80	80	431	101	126	75	75	431	101
	224A	80 77	303	125	70	70	421	101	125	70	70	421	101	125	70	70	421	101
	236A	80 77	303	125	65	65	421	101	125	65	65	421	101	125	65	65	421	101
	245A	80 77	303	126	70	70	431	101	125	75	75	431	101	124	80	80	431	101
	254A	80 77	303	122	100	100	431	101	122	100	100	431	101	122	100	100	431	101

X

	PANEL NUMBER		FLOOR	SPANDREL PLATE T4	FY4	SCL	SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
	206A	80 77	80	7/16	70	103	103	1/4 X15	1/4	0	5110	1212	5110
	215A	80 77	80	7/16	60	103	103	1/4 X12	1/4	0	1212	5510	5110
2	224A	80 77	80	7/16	50	103	102	1/4 X10	1/4	0	4110	5110	1111
	236A	80 77	80	7/16	45	102	102	1/4 X 9	1/4	0	1111	5110	1111
	245A	80 77	80	7/16	50	103	103	1/4 X11	1/4	0	5110	5310	1212
	254A	80 77	80	7/16	65	103	103	1/4 X13	1/4	0	5110	1212	5110

	PANEL NUMBER		FLOOR	SPANDREL PLATE T4	FY4	SCL	SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
	206A	80 77	79	7/16	70	203	203	5/16X16	1/4	0	5110	1212	5110
	215A	80 77	79	7/16	60	202	202	1/4 X14	1/4	0	1212	5510	5110
2	224A	80 77	79	7/16	50	202	202	1/4 X11	1/4	0	4141	5110	7441
	236A	80 77	79	7/16	45	202	202	1/4 X10	1/4	0	7221	5110	7221
	245A	80 77	79	7/16	55	202	202	1/4 X12	1/4	0	5110	5310	1212
	254A	80 77	79	7/16	70	202	202	1/4 X14	1/4	0	5110	1212	5110

LICENSED PROFESSIONAL ENGINEER — LESLIE E. ROBERTSON — No. 34350 — STATE OF NEW YORK — UNIVERSITY OF THE STATE

	PANEL NUMBER		FLOOR	SPANDREL PLATE T4	FY4	SCL	SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
	206A	80 77	78	7/16	65	104	104	3/8 X16	1/4	0	5110	3212	5110
	215A	80 77	78	7/16	55	104	103	1/4 X16	1/4	0	3212	5510	5110
2	224A	80 77	78	7/16	46	103	103	1/4 X13	1/4	0	4140	5110	7450
2	236A	80 77	78	7/16	42	103	103	1/4 X12	1/4	0	4540	5110	7440
	245A	80 77	78	7/16	46	103	103	1/4 X14	1/4	0	5110	5310	3212
	254A	80 77	78	7/16	60	103	104	5/16X16	1/4	0	5110	3212	5110

4-A1-361

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

PROJECT	TITLE	DATE
THE WORLD TRADE CENTER	EXTERIOR WALL PANEL SCHEDULE	6-5-67

REVISIONS

PANEL NUMBER			PANEL TYPE	COLUMN 1					COLUMN 2					COLUMN 3				
				TYPE	FY1	FY2	CSU	CSL	TYPE	FY1	FY2	CSU	CSL	TYPE	FY1	FY2	CSU	CSL
306A	80	77	303	129	60	60	431	101	129	60	60	431	101	130	60	60	431	101
315A	80	77	303	132	55	55	431	101	132	55	55	431	101	132	55	55	431	101
324A	80	77	303	132	55	55	431	101	132	55	55	421	101	132	55	55	421	101
336A	80	77	303	132	55	55	431	101	132	55	55	431	101	132	55	55	431	101
345A	80	77	303	132	60	60	431	101	132	60	60	431	101	132	60	60	431	101
354A	80	77	303	130	65	65	431	101	129	65	65	431	101	129	65	65	431	101

X

PANEL NUMBER			FLOOR	SPANDREL PLATE				WELDMENTS			SEAT DETAIL		
				T4	FY4	SCL	SCR	NO 5	NO 6	NO 7	COL 1	COL 2	COL 3
306A	80	77	80	7/16	42	103	103	5/16X10	5/16	0	1311	5110	1411
315A	80	77	80	7/16	36	103	103	5/16X 9	5/16	0	5110	1411	5110
324A	80	77	80	7/16	36	103	103	5/16X 8	5/16	0	1411	5110	1411
336A	80	77	80	7/16	42	103	103	5/16X10	5/16	0	1411	5110	1411
345A	80	77	80	7/16	42	104	104	5/16X11	5/16	0	5110	1411	5110
354A	80	77	80	7/16	45	104	104	5/16X11	5/16	0	1411	5110	1311

PANEL NUMBER			FLOOR	SPANDREL PLATE				WELDMENTS			SEAT DETAIL		
				T4	FY4	SCL	SCR	NO 5	NO 6	NO 7	COL 1	COL 2	COL 3
306A	80	77	79	7/16	42	202	202	5/16X10	5/16	0	1311	5110	1411
315A	80	77	79	7/16	42	202	202	5/16X10	5/16	0	5110	1411	5110
324A	80	77	79	7/16	42	202	202	5/16X 9	5/16	0	1411	5110	1411
336A	80	77	79	7/16	42	202	203	5/16X11	5/16	0	1411	5110	1411
345A	80	77	79	7/16	42	203	203	5/16X12	5/16	0	5110	1411	5110
354A	80	77	79	7/16	45	203	203	5/16X12	5/16	0	1411	5110	1311

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

PANEL NUMBER			FLOOR	SPANDREL PLATE				WELDMENTS			SEAT DETAIL		
				T4	FY4	SCL	SCR	NO 5	NO 6	NO 7	COL 1	COL 2	COL 3
306A	80	77	78	7/16	42	104	104	5/16X12	5/16	0	3311	5110	3411
315A	80	77	78	7/16	42	104	103	5/16X12	5/16	0	5110	3411	5110
324A	80	77	78	7/16	42	103	103	5/16X10	5/16	0	3411	5110	3411
336A	80	77	78	7/16	45	104	104	5/16X13	5/16	0	3411	5110	3411
345A	80	77	78	7/16	45	104	104	5/16X14	5/16	0	5110	3411	5110
354A	80	77	78	7/16	42	104	104	5/16X14	5/16	0	3411	5110	3311

4-A1-362

SKILLING-HELLE-CHRISTIANSEN-ROBERTSON — **Civil & Structural Engineers**

PROJECT: THE WORLD TRADE CENTER | TITLE: EXTERIOR WALL PANEL SCHEDULE | DATE: 12-5-67

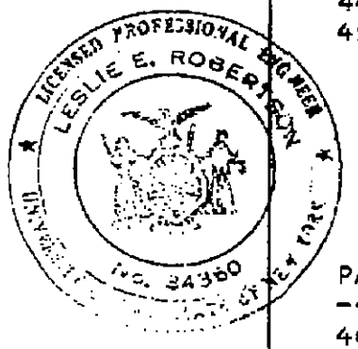
REVISIONS

PANEL NUMBER			PANEL TYPE	COLUMN 1					COLUMN 2					COLUMN 3				
				TYPE	FY1	FY2	CSU	CSL	TYPE	FY1	FY2	CSU	CSL	TYPE	FY1	FY2	CSU	CSL
406A	80	77	303	122	100	100	431	101	122	100	100	431	101	122	100	100	431	101
415A	80	77	303	124	85	85	431	101	125	75	75	431	101	126	70	70	431	101
424A	80	77	303	125	65	65	421	101	125	65	65	421	101	125	65	65	421	101
436A	80	77	303	125	70	70	421	101	125	70	70	421	101	125	70	70	421	101
445A	80	77	303	126	75	75	431	101	125	80	80	431	101	124	85	85	431	101
454A	80	77	303	122	100	100	431	101	122	100	100	431	101	122	100	100	431	101

X

	PANEL NUMBER			FLOOR	SPANDREL PLATE				WELDMENTS			SEAT DETAIL		
					T4	FY4	SCL	SCR	NO 5	NO 6	NO 7	COL 1	COL 2	COL 3
	406A	80	77	80	7/16	70	103	103	1/4 X15	1/4	0	5110	1212	5110
	415A	80	77	80	7/16	55	103	103	1/4 X13	1/4	0	1212	5510	5110
	424A	80	77	80	7/16	45	103	102	1/4 X10	1/4	0	1111	5110	1111
2	436A	80	77	80	7/16	50	102	103	1/4 X10	1/4	0	1111	5110	4110
	445A	80	77	80	7/16	55	103	103	1/4 X12	1/4	0	5110	5310	1212
	454A	80	77	80	7/16	70	103	103	1/4 X14	1/4	0	5110	1212	5110

	PANEL NUMBER			FLOOR	SPANDREL PLATE				WELDMENTS			SEAT DETAIL		
					T4	FY4	SCL	SCR	NO 5	NO 6	NO 7	COL 1	COL 2	COL 3
	406A	80	77	79	7/16	70	203	203	5/16X16	1/4	0	5110	1212	5110
	415A	80	77	79	7/16	60	202	202	1/4 X13	1/4	0	1212	5510	5110
	424A	80	77	79	7/16	45	202	202	1/4 X11	1/4	0	1111	5110	1111
2	436A	80	77	79	7/16	50	202	202	1/4 X11	1/4	0	1111	5110	4141
	445A	80	77	79	7/16	60	202	202	1/4 X13	1/4	0	5110	5310	1212
	454A	80	77	79	7/16	70	202	203	1/4 X15	1/4	0	5110	1212	5110



	PANEL NUMBER			FLOOR	SPANDREL PLATE				WELDMENTS			SEAT DETAIL		
					T4	FY4	SCL	SCR	NO 5	NO 6	NO 7	COL 1	COL 2	COL 3
	406A	80	77	78	7/16	60	104	104	3/8 X16	1/4	0	5110	3212	5110
	415A	80	77	78	7/16	50	104	103	1/4 X16	1/4	0	3212	5510	5110
2	424A	80	77	78	7/16	42	103	103	1/4 X13	1/4	0	4540	5110	7230
2	436A	80	77	78	7/16	45	103	103	1/4 X13	1/4	0	7450	5110	4140
	445A	80	77	78	7/16	50	103	103	1/4 X15	1/4	0	5110	5310	3212
	454A	80	77	78	7/16	60	104	104	5/16X16	1/4	0	5110	3212	5110

4-A1-363

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

PROJECT: THE WORLD TRADE CENTER | TITLE: EXTERIOR WALL PANEL SCHEDULE | DATE: 6-5-67

REVISIONS

PANEL NUMBER	PANEL TYPE	COLUMN 1 TYPE	COL 1 FY1	COL 1 FY2	COL 1 CSU	COL 1 CSL	COLUMN 2 TYPE	COL 2 FY1	COL 2 FY2	COL 2 CSU	COL 2 CSL	COLUMN 3 TYPE	COL 3 FY1	COL 3 FY2	COL 3 CSU	COL 3 CSL
200A 80 78	212	124	100	100	441	491	524	100	100	0	0	122	100	100	441	441
400A 80 78	212	124	100	100	441	491	524	100	100	0	0	122	100	100	441	491

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
200A 80 78	80	7/16	75	113	113	7/16X16	1/4	0	1313	5010	5610
400A 80 78	80	7/16	70	113	113	7/16X16	1/4	0	1313	5010	5610

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
200A 80 78	79	7/16	80	211	211	7/16X16	1/4	0	1313	5010	5610
400A 80 78	79	7/16	75	211	211	7/16X16	1/4	0	1313	5010	5610

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

4-A1-364

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

PROJECT: THE WORLD TRADE CENTER | TITLE: EXTERIOR WALL PANEL SCHEDULE | DATE: 6-5-67

REVISIONS

PANEL NUMBER			PANEL TYPE	COLUMN 1 TYPE	COL 1 FY1	COL 1 FY2	COL 1 CSU	COL 1 CSL	COLUMN 2 TYPE	COL 2 FY1	COL 2 FY2	COL 2 CSU	COL 2 CSL	COLUMN 3 TYPE	COL 3 FY1	COL 3 FY2	COL 3 CSU	COL 3 CSL
103A	81	78	302	123	90	90	431	441	124	75	75	431	431	125	70	70	431	431
112A	81	78	302	129	55	55	431	431	129	55	55	431	431	129	55	55	431	431
121A	81	78	302	129	55	55	431	431	129	55	55	431	431	129	50	50	431	431
130A	81	78	302	129	50	50	421	431	130	50	50	421	431	130	50	50	431	431
139A	81	78	302	130	55	55	431	431	130	55	55	431	431	130	55	55	431	431
148A	81	78	302	129	60	60	431	441	129	60	60	431	441	129	60	60	431	441
157A	81	78	302	125	75	75	431	441	124	80	80	431	441	123	100	100	441	441

PANEL NUMBER			FLOOR	SPANDREL PLATE T4	SPANDREL PLATE FY4	SPANDREL PLATE SCL	SPANDREL PLATE SCR	WELDMENTS NO 5	WELDMENTS NO 6	WELDMENTS NO 7	SEAT DETAIL COL 1	SEAT DETAIL COL 2	SEAT DETAIL COL 3
103A	81	78	81	7/16	70	113	103	1/4 X14	1/4	0	5110	1311	5210
112A	81	78	81	7/16	36	103	103	5/16X 9	5/16	0	1511	5210	1411
121A	81	78	81	7/16	36	103	103	5/16X 9	5/16	0	5210	1411	5210
130A	81	78	81	7/16	36	103	105	5/16X 8	5/16	0	1411	5210	1411
139A	81	78	81	7/16	36	103	103	5/16X10	5/16	0	5210	1411	5210
148A	81	78	81	7/16	42	103	103	5/16X11	5/16	0	1411	5210	1511
157A	81	78	81	7/16	75	103	113	1/4 X16	1/4	0	5210	1311	5110

PANEL NUMBER			FLOOR	SPANDREL PLATE T4	SPANDREL PLATE FY4	SPANDREL PLATE SCL	SPANDREL PLATE SCR	WELDMENTS NO 5	WELDMENTS NO 6	WELDMENTS NO 7	SEAT DETAIL COL 1	SEAT DETAIL COL 2	SEAT DETAIL COL 3
103A	81	78	80	7/16	70	113	103	1/4 X15	1/4	0	5110	1311	5210
112A	81	78	80	7/16	36	103	103	5/16X10	5/16	0	1511	5210	1411
121A	81	78	80	7/16	36	103	103	5/16X 9	5/16	0	5210	1411	5210
130A	81	78	80	7/16	36	103	103	5/16X 9	5/16	0	1411	5210	1411
139A	81	78	80	7/16	42	103	103	5/16X11	5/16	0	5210	1411	5210
148A	81	78	80	7/16	42	104	104	5/16X11	5/16	0	1411	5210	1511
157A	81	78	80	7/16	75	104	113	5/16X16	1/4	0	5210	1311	5110

PANEL NUMBER			FLOOR	SPANDREL PLATE T4	SPANDREL PLATE FY4	SPANDREL PLATE SCL	SPANDREL PLATE SCR	WELDMENTS NO 5	WELDMENTS NO 6	WELDMENTS NO 7	SEAT DETAIL COL 1	SEAT DETAIL COL 2	SEAT DETAIL COL 3
103A	81	78	79	7/16	65	211	203	1/4 X16	1/4	0	5110	1311	5210
112A	81	78	79	7/16	42	203	203	5/16X11	5/16	0	1511	5210	1411
121A	81	78	79	7/16	36	202	202	5/16X10	5/16	0	5210	1411	5210
130A	81	78	79	7/16	36	202	202	5/16X 9	5/16	0	1411	5210	1411
139A	81	78	79	7/16	42	203	203	5/16X11	5/16	0	5210	1411	5210
148A	81	78	79	7/16	42	203	203	5/16X12	5/16	0	1411	5210	1511
157A	81	78	79	7/16	70	203	211	5/16X16	1/4	0	5210	1311	5110

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

4-A1-365

SKILLING-HELLE-CHRISTIANSEN-ROBERTSON — **Civil & Structural Engineers**

PROJECT: THE WORLD TRADE CENTER | TITLE: EXTERIOR WALL PANEL SCHEDULE | DATE: 12-5-67

REVISIONS

PANEL NUMBER			PANEL TYPE	COLUMN 1 TYPE	COL 1 FY1	COL 1 FY2	COL 1 CSU	COL 1 CSL	COLUMN 2 TYPE	COL 2 FY1	COL 2 FY2	COL 2 CSU	COL 2 CSL	COLUMN 3 TYPE	COL 3 FY1	COL 3 FY2	COL 3 CSU	COL 3 CSL
203A	81	78	302	120	100	100	441	441	120	100	100	431	431	120	100	100	431	431
212A	81	78	302	121	100	100	431	431	121	100	100	431	431	122	90	90	431	431
221A	81	78	302	125	70	70	421	431	124	75	75	421	431	124	75	75	421	431
230A	81	78	302	124	70	70	421	421	124	65	65	421	421	124	65	65	421	421
239A	81	78	302	124	65	65	421	421	124	65	65	421	421	125	60	60	421	431
248A	81	78	302	122	85	85	431	431	121	90	90	431	431	121	100	100	431	431
257A	81	78	302	120	100	100	431	431	120	100	100	431	431	120	100	100	431	431

X

PANEL NUMBER			FLOOR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	WELD NO 6	WELD NO 7	SEAT DETAIL COL 1	SEAT COL 2	SEAT COL 3
203A	81	78	81	7/16	85	113	103	1/4 X15	1/4	0	1013	5210	5010
212A	81	78	81	7/16	70	103	103	1/4 X13	1/4	0	5210	5010	5210
2 221A	81	78	81	7/16	50	103	102	1/4 X10	1/4	0	5210	(7240)	5210
230A	81	78	81	7/16	45	102	102	1/4 X 8	1/4	0	1111	5210	1111
239A	81	78	81	7/16	45	102	102	1/4 X 9	1/4	0	5210	1111	5210
248A	81	78	81	7/16	65	103	103	1/4 X11	1/4	0	5210	5010	5210
257A	81	78	81	7/16	80	103	112	1/4 X13	1/4	0	5010	5210	1013

PANEL NUMBER			FLOOR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	WELD NO 6	WELD NO 7	SEAT DETAIL COL 1	SEAT COL 2	SEAT COL 3
203A	81	78	80	7/16	85	113	103	5/16X16	1/4	0	1013	5210	5010
212A	81	78	80	7/16	70	103	103	1/4 X14	1/4	0	5210	5010	5210
2 221A	81	78	80	7/16	50	103	103	1/4 X11	1/4	0	5210	(7240)	5210
230A	81	78	80	7/16	46	102	102	1/4 X 8	1/4	0	1111	5210	1111
239A	81	78	80	7/16	42	102	103	1/4 X10	1/4	0	5210	1111	5210
248A	81	78	80	7/16	65	103	103	1/4 X12	1/4	0	5210	5010	5210
257A	81	78	80	7/16	85	103	113	1/4 X14	1/4	0	5010	5210	1013

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

PANEL NUMBER			FLOOR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	WELD NO 6	WELD NO 7	SEAT DETAIL COL 1	SEAT COL 2	SEAT COL 3
203A	81	78	79	7/16	85	211	203	5/16X16	1/4	0	1013	5210	5010
212A	81	78	79	7/16	70	203	202	1/4 X15	1/4	0	5210	5010	5210
221A	81	78	79	7/16	50	202	202	1/4 X12	1/4	0	5210	7221	5210
2 230A	81	78	79	7/16	45	201	201	1/4 X 9	1/4	0	(744)	5210	4241
239A	81	78	79	7/16	45	202	202	1/4 X11	1/4	0	5210	7221	5210
248A	81	78	79	7/16	60	202	202	1/4 X13	1/4	0	5210	5010	5210
257A	81	78	79	7/16	85	202	211	1/4 X15	1/4	0	5010	5210	1013

4-A1-366

WORTHINGTON, SKILLING, HELLE & JACKSON Civil & Structural Engineers

PROJECT: THE WORLD TRADE CENTER | TITLE: EXTERIOR WALL PANEL SCHEDULE | DATE: 6-5-67

REVISIONS

PANEL NUMBER	PANEL TYPE	COLUMN 1 TYPE	COL 1 FY1	COL 1 FY2	COL 1 CSU	COL 1 CSL	COLUMN 2 TYPE	COL 2 FY1	COL 2 FY2	COL 2 CSU	COL 2 CSL	COLUMN 3 TYPE	COL 3 FY1	COL 3 FY2	COL 3 CSU	COL 3 CSL
303A 81 78	302	123	85	85	431	441	124	70	70	431	431	125	70	70	431	431
312A 81 78	302	129	55	55	431	431	129	55	55	431	431	129	55	55	431	431
321A 81 78	302	129	55	55	431	431	129	55	55	431	431	129	55	55	431	431
330A 81 78	302	129	55	55	421	431	130	55	55	421	431	130	55	55	431	431
339A 81 78	302	130	55	55	431	431	130	55	55	431	431	130	55	55	431	431
348A 81 78	302	129	60	60	431	441	129	60	60	431	441	129	60	60	431	441
357A 81 78	302	125	75	75	431	441	124	75	75	431	441	123	90	90	441	441

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	WD 6	WD 7	SEAT DETAIL COL 1	COL 2	COL 3
303A 81 78	81	7/16	65	112	103	1/4 X13	1/4	0	5110	1311	5210
312A 81 78	81	7/16	36	103	103	5/16X 9	5/16	0	1511	5210	1411
321A 81 78	81	7/16	36	103	103	5/16X 8	5/16	0	5210	1411	5210
330A 81 78	81	7/16	42	103	103	5/16X 8	5/16	0	1411	5210	1411
339A 81 78	81	7/16	42	103	103	5/16X10	5/16	0	5210	1411	5210
348A 81 78	81	7/16	42	103	104	5/16X11	5/16	0	1411	5210	1511
357A 81 78	81	7/16	70	103	113	1/4 X16	1/4	0	5210	1311	5110

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	WD 6	WD 7	SEAT DETAIL COL 1	COL 2	COL 3
303A 81 78	80	7/16	65	113	103	1/4 X14	1/4	0	5110	1311	5210
312A 81 78	80	7/16	36	103	103	5/16X 9	5/16	0	1511	5210	1411
321A 81 78	80	7/16	36	103	103	5/16X 9	5/16	0	5210	1411	5210
330A 81 78	80	7/16	42	103	103	5/16X 9	5/16	0	1411	5210	1411
339A 81 78	80	7/16	42	103	103	5/16X11	5/16	0	5210	1411	5210
348A 81 78	80	7/16	42	104	104	5/16X11	5/16	0	1411	5210	1511
357A 81 78	80	7/16	75	104	113	5/16X16	1/4	0	5210	1311	5110

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	WD 6	WD 7	SEAT DETAIL COL 1	COL 2	COL 3
303A 81 78	79	7/16	65	211	202	1/4 X15	1/4	0	5110	1311	5210
312A 81 78	79	7/16	42	202	202	5/16X10	5/16	0	1511	5210	1411
321A 81 78	79	7/16	42	202	202	5/16X 9	5/16	0	5210	1411	5210
330A 81 78	79	7/16	42	202	202	5/16X 9	5/16	0	1411	5210	1411
339A 81 78	79	7/16	42	203	203	5/16X11	5/16	0	5210	1411	5210
348A 81 78	79	7/16	42	203	203	5/16X12	5/16	0	1411	5210	1511
357A 81 78	79	7/16	70	203	211	5/16X16	1/4	0	5210	1311	5110

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

4-A1-367

SKILLING-HELLE-CHRISTIANSEN-ROBERTSON — **Civil & Structural Engineers**

PROJECT: THE WORLD TRADE CENTER | TITLE: EXTERIOR WALL PANEL SCHEDULE | DATE: 12-5-67

REVISIONS

PANEL NUMBER			PANEL TYPE	COLUMN 1 TYPE	COL 1 FY1	COL 1 FY2	COL 1 CSU	COL 1 CSL	COLUMN 2 TYPE	COL 2 FY1	COL 2 FY2	COL 2 CSU	COL 2 CSL	COLUMN 3 TYPE	COL 3 FY1	COL 3 FY2	COL 3 CSU	COL 3 CSL
403A	81	78	302	120	100	100	441	441	120	100	100	431	431	120	100	100	431	431
412A	81	78	302	121	100	100	431	431	121	100	100	431	431	122	85	85	431	431
421A	81	78	302	125	65	65	421	431	124	65	65	421	431	124	65	65	421	431
430A	81	78	302	124	65	65	421	421	124	70	70	421	421	124	70	70	421	421
439A	81	78	302	124	70	70	421	431	124	75	75	421	431	125	70	70	421	431
448A	81	78	302	122	90	90	431	431	121	100	100	431	431	121	100	100	431	431
457A	81	78	302	120	100	100	431	431	120	100	100	431	431	120	100	100	431	431

X

PANEL NUMBER			FLOOR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
403A	81	78	81	7/16	85	113	103	1/4 X15	1/4	0	1013	5210	5010
412A	81	78	81	7/16	65	103	103	1/4 X13	1/4	0	5210	5010	5210
421A	81	78	81	7/16	45	103	102	1/4 X10	1/4	0	5210	1111	5210
430A	81	78	81	7/16	45	102	102	1/4 X 8	1/4	0	1111	5210	1111
2 439A	81	78	81	7/16	50	102	103	1/4 X10	1/4	0	5210	(7240)	5210
448A	81	78	81	7/16	70	103	103	1/4 X12	1/4	0	5210	5010	5210
457A	81	78	81	7/16	85	103	113	1/4 X14	1/4	0	5010	5210	1013

PANEL NUMBER			FLOOR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
403A	81	78	80	7/16	85	113	103	5/16X16	1/4	0	1013	5210	5010
412A	81	78	80	7/16	70	103	103	1/4 X14	1/4	0	5210	5010	5210
421A	81	78	80	7/16	45	103	103	1/4 X11	1/4	0	5210	1111	5210
430A	81	78	80	7/16	46	102	102	1/4 X 9	1/4	0	1111	5210	1111
2 439A	81	78	80	7/16	46	103	103	1/4 X11	1/4	0	5210	(7240)	5210
448A	81	78	80	7/16	70	103	103	1/4 X13	1/4	0	5210	5010	5210
457A	81	78	80	7/16	85	103	113	1/4 X15	1/4	0	5010	5210	1013

LICENSED PROFESSIONAL ENGINEER — LESLIE E. ROBERTSON — NO. 24360 — STATE OF NEW YORK

PANEL NUMBER			FLOOR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
403A	81	78	79	7/16	85	211	203	5/16X16	1/4	0	1013	5210	5010
412A	81	78	79	7/16	65	203	202	1/4 X14	1/4	0	5210	5010	5210
421A	81	78	79	7/16	45	202	202	1/4 X12	1/4	0	5210	1111	5210
430A	81	78	79	7/16	45	201	201	1/4 X 9	1/4	0	1111	5210	1111
2 439A	81	78	79	7/16	50	202	202	1/4 X11	1/4	0	5210	(7241)	5210
448A	81	78	79	7/16	65	202	202	1/4 X14	1/4	0	5210	5010	5210
457A	81	78	79	7/16	85	203	211	1/4 X16	1/4	0	5010	5210	1013

4-A1-362

WORTHINGTON, SKILLING, HELLE & JACKSON Civil & Structural Engineers

PROJECT: THE WORLD TRADE CENTER | TITLE: EXTERIOR WALL PANEL SCHEDULE | DATE: 6-5-67

REVISIONS

PANEL NUMBER			PANEL TYPE	COLUMN 1 TYPE	COL 1 FY1	COL 1 FY2	COL 1 CSU	COL 1 CSL	COLUMN 2 TYPE	COL 2 FY1	COL 2 FY2	COL 2 CSU	COL 2 CSL	COLUMN 3 TYPE	COL 3 FY1	COL 3 FY2	COL 3 CSU	COL 3 CSL
100A	81	79	210	122	100	100	441	441	524	100	100	0	0	124	90	90	441	441
300A	81	79	210	122	100	100	441	441	524	100	100	0	0	124	90	90	441	441

PANEL NUMBER			FLOOR	SPANDREL PLATE T4	SPANDREL PLATE FY4	SPANDREL PLATE SCL	SPANDREL PLATE SCR	WELDMENTS NO 5	WELDMENTS NO 6	WELDMENTS NO 7	SEAT DETAIL COL 1	SEAT DETAIL COL 2	SEAT DETAIL COL 3
100A	81	79	81	7/16	70	113	113	3/8 X16	1/4	0	5410	5010	1313
300A	81	79	81	7/16	65	112	112	5/16X16	1/4	0	5410	5010	1313

PANEL NUMBER			FLOOR	SPANDREL PLATE T4	SPANDREL PLATE FY4	SPANDREL PLATE SCL	SPANDREL PLATE SCR	WELDMENTS NO 5	WELDMENTS NO 6	WELDMENTS NO 7	SEAT DETAIL COL 1	SEAT DETAIL COL 2	SEAT DETAIL COL 3
100A	81	79	80	7/16	70	113	113	3/8 X16	1/4	0	5410	5010	1313
300A	81	79	80	7/16	70	113	113	3/8 X16	1/4	0	5410	5010	1313

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

4-A1-369

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

PROJECT: THE WORLD TRADE CENTER | TITLE: EXTERIOR WALL PANEL SCHEDULE | DATE: 6-5-67

REVISIONS

PANEL NUMBER	PANEL TYPE	COLUMN 1 TYPE	COL 1 FY1	COL 1 FY2	COL 1 CSU	COL 1 CSL	COLUMN 2 TYPE	COL 2 FY1	COL 2 FY2	COL 2 CSU	COL 2 CSL	COLUMN 3 TYPE	COL 3 FY1	COL 3 FY2	COL 3 CSU	COL 3 CSL
109A 82 79	300	128	60	60	431	431	129	55	55	431	431	129	55	55	431	431
118A 82 79	300	129	50	50	431	431	129	50	50	431	431	129	50	50	431	431
127A 82 79	300	129	50	50	421	431	129	50	50	421	431	129	50	50	421	431
133A 82 79	300	129	50	50	431	431	129	50	50	431	431	129	50	50	431	431
142A 82 79	300	129	55	55	431	431	129	55	55	431	431	129	55	55	431	431
151A 82 79	300	129	60	60	431	441	129	60	60	431	441	128	60	60	431	441

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SP PL FY4	SP PL SCL	SP PL SCR	WELDMENTS NO 5	WELDMENTS NO 6	WELDMENTS NO 7	SEAT DETAIL COL 1	SEAT DETAIL COL 2	SEAT DETAIL COL 3
109A 82 79	82	7/16	42	103	103	1/4 X13	1/4	0	5210	1411	5210
118A 82 79	82	7/16	36	103	103	5/16X 9	5/16	0	1411	5210	1411
127A 82 79	82	7/16	36	103	103	0 X 0	5/16	0	5110	1411	5210
133A 82 79	82	7/16	36	103	103	5/16X 9	5/16	0	5210	1411	5110
142A 82 79	82	7/16	36	103	103	5/16X10	5/16	0	1411	5210	1411
151A 82 79	82	7/16	42	103	103	1/4 X15	1/4	0	5210	1411	5210

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SP PL FY4	SP PL SCL	SP PL SCR	WELDMENTS NO 5	WELDMENTS NO 6	WELDMENTS NO 7	SEAT DETAIL COL 1	SEAT DETAIL COL 2	SEAT DETAIL COL 3
109A 82 79	81	7/16	42	103	103	1/4 X14	1/4	0	5210	1411	5210
118A 82 79	81	7/16	36	103	103	5/16X 9	5/16	0	1411	5210	1411
127A 82 79	81	7/16	36	103	103	0 X 0	5/16	0	5110	1411	5210
133A 82 79	81	7/16	36	103	103	5/16X 9	5/16	0	5210	1411	5110
142A 82 79	81	7/16	36	103	103	5/16X10	5/16	0	1411	5210	1411
151A 82 79	81	7/16	42	103	103	1/4 X16	1/4	0	5210	1411	5210

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SP PL FY4	SP PL SCL	SP PL SCR	WELDMENTS NO 5	WELDMENTS NO 6	WELDMENTS NO 7	SEAT DETAIL COL 1	SEAT DETAIL COL 2	SEAT DETAIL COL 3
109A 82 79	80	7/16	42	103	103	1/4 X15	1/4	0	5210	1411	5210
118A 82 79	80	7/16	36	103	103	5/16X 9	5/16	0	1411	5210	1411
127A 82 79	80	7/16	36	103	103	5/16X 8	5/16	0	5110	1411	5210
133A 82 79	80	7/16	36	103	103	5/16X 9	5/16	0	5210	1411	5110
142A 82 79	80	7/16	42	103	104	5/16X11	5/16	0	1411	5210	1411
151A 82 79	80	7/16	42	104	104	5/16X16	1/4	0	5210	1411	5210

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

4-A1-370

SKILLING-HELLE-CHRISTIANSEN-ROBERTSON — **Civil & Structural Engineers**

PROJECT: THE WORLD TRADE CENTER | TITLE: EXTERIOR WALL PANEL SCHEDULE | DATE: 12-5-67

REVISIONS

PANEL NUMBER			PANEL TYPE	COLUMN 1 TYPE	COL 1 FY1	COL 1 FY2	COL 1 CSU	COL 1 CSL	COLUMN 2 TYPE	COL 2 FY1	COL 2 FY2	COL 2 CSU	COL 2 CSL	COLUMN 3 TYPE	COL 3 FY1	COL 3 FY2	COL 3 CSU	COL 3 CSL
209A	82	79	300	120	100	100	431	431	120	100	100	431	431	120	100	100	431	431
218A	82	79	300	124	70	70	431	431	124	70	70	421	431	124	70	70	421	431
227A	82	79	300	123	70	70	421	421	123	70	70	421	421	123	70	70	421	421
233A	82	79	300	123	65	65	421	421	123	65	65	421	421	123	65	65	421	421
242A	82	79	300	124	65	65	421	431	124	65	65	421	431	124	65	65	421	431
251A	82	79	300	120	100	100	431	431	120	100	100	431	431	120	100	100	431	431

X

	PANEL NUMBER		FLOOR	SPANDREL PLATE T4	FY4	SCL	SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
	209A	82 79	82	7/16	70	103	103	1/4 X12	1/4	0	5010	5210	1212
2	218A	82 79	82	7/16	46	103	103	1/4 X11	1/4	0	4530	5210	7240
	227A	82 79	82	7/16	45	102	102	1/4 X 8	1/4	0	5110	1111	5210
	233A	82 79	82	7/16	42	102	102	1/4 X 8	1/4	0	5210	1111	5110
	242A	82 79	82	7/16	42	102	103	1/4 X10	1/4	0	1111	5210	1611
	251A	82 79	82	7/16	65	103	103	1/4 X11	1/4	0	1212	5210	5010

	PANEL NUMBER		FLOOR	SPANDREL PLATE T4	FY4	SCL	SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
	209A	82 79	81	7/16	70	103	103	1/4 X12	1/4	0	5010	5210	1212
2	218A	82 79	81	7/16	50	103	103	1/4 X11	1/4	0	4530	5210	7240
	227A	82 79	81	7/16	46	102	102	1/4 X 8	1/4	0	5110	1111	5210
	233A	82 79	81	7/16	45	102	102	1/4 X 8	1/4	0	5210	1111	5110
	242A	82 79	81	7/16	42	102	103	1/4 X10	1/4	0	1111	5210	1611
	251A	82 79	81	7/16	65	103	103	1/4 X11	1/4	0	1212	5210	5010

LICENSED PROFESSIONAL ENGINEER LESLIE E. ROBERTSON UNIVERSITY OF ILLINOIS

	PANEL NUMBER		FLOOR	SPANDREL PLATE T4	FY4	SCL	SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
	209A	82 79	80	7/16	70	103	103	1/4 X13	1/4	0	5010	5210	1212
2	218A	82 79	80	7/16	50	103	103	1/4 X12	1/4	0	4530	5210	7240
	227A	82 79	80	7/16	50	102	102	1/4 X 9	1/4	0	5110	1111	5210
	233A	82 79	80	7/16	45	102	102	1/4 X 8	1/4	0	5210	1111	5110
	242A	82 79	80	7/16	45	103	103	1/4 X11	1/4	0	1111	5210	1611
	251A	82 79	80	7/16	65	103	103	1/4 X12	1/4	0	1212	5210	5010

4-A1-371

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

PROJECT: THE WORLD TRADE CENTER | TITLE: EXTERIOR WALL PANEL SCHEDULE | DATE: 6-5-67

REVISIONS

PANEL NUMBER	PANEL TYPE	COLUMN 1 TYPE	COL 1 FY1	COL 1 FY2	COL 1 CSU	COL 1 CSL	COLUMN 2 TYPE	COL 2 FY1	COL 2 FY2	COL 2 CSU	COL 2 CSL	COLUMN 3 TYPE	COL 3 FY1	COL 3 FY2	COL 3 CSU	COL 3 CSL
309A 82 79	300	128	60	60	431	431	129	55	55	431	431	129	55	55	431	431
318A 82 79	300	129	55	55	431	431	129	50	50	431	431	129	50	50	431	431
327A 82 79	300	129	50	50	421	421	129	55	55	421	421	129	55	55	421	431
333A 82 79	300	129	55	55	431	431	129	55	55	431	431	129	55	55	431	431
342A 82 79	300	129	55	55	431	431	129	55	55	431	431	129	55	55	431	431
351A 82 79	300	129	60	60	431	431	129	60	60	431	431	128	60	60	431	431

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
309A 82 79	82	7/16	42	103	103	1/4 X13	1/4	0	5210	1411	5210
318A 82 79	82	7/16	36	103	103	5/16X 8	5/16	0	1411	5210	1411
327A 82 79	82	7/16	36	102	103	0 X 0	5/16	0	5110	1411	5210
333A 82 79	82	7/16	42	103	103	5/16X 9	5/16	0	5210	1411	5110
342A 82 79	82	7/16	42	103	103	5/16X10	5/16	0	1411	5210	1411
351A 82 79	82	7/16	42	103	103	1/4 X15	1/4	0	5210	1411	5210

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
309A 82 79	81	7/16	42	103	103	1/4 X13	1/4	0	5210	1411	5210
318A 82 79	81	7/16	36	103	103	5/16X 9	5/16	0	1411	5210	1411
327A 82 79	81	7/16	36	103	103	0 X 0	5/16	0	5110	1411	5210
333A 82 79	81	7/16	42	103	103	5/16X 9	5/16	0	5210	1411	5110
342A 82 79	81	7/16	42	103	103	5/16X10	5/16	0	1411	5210	1411
351A 82 79	81	7/16	42	104	103	1/4 X16	1/4	0	5210	1411	5210

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

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
309A 82 79	80	7/16	42	103	103	1/4 X14	1/4	0	5210	1411	5210
318A 82 79	80	7/16	36	103	103	5/16X 9	5/16	0	1411	5210	1411
327A 82 79	80	7/16	36	103	103	0 X 0	5/16	0	5110	1411	5210
333A 82 79	80	7/16	42	103	103	5/16X 9	5/16	0	5210	1411	5110
342A 82 79	80	7/16	42	103	104	5/16X11	5/16	0	1411	5210	1411
351A 82 79	80	7/16	42	104	104	5/16X16	1/4	0	5210	1411	5210

4-A1-372

SKILLING-HELLE-CHRISTIANSEN-ROBERTSON — **Civil & Structural Engineers**

PROJECT: THE WORLD TRADE CENTER | TITLE: EXTERIOR WALL PANEL SCHEDULE | DATE: 12-5-67

REVISIONS

PANEL NUMBER			PANEL TYPE	COLUMN 1 TYPE	COL 1 FY1	COL 1 FY2	COL 1 CSU	COL 1 CSL	COLUMN 2 TYPE	COL 2 FY1	COL 2 FY2	COL 2 CSU	COL 2 CSL	COLUMN 3 TYPE	COL 3 FY1	COL 3 FY2	COL 3 CSU	COL 3 CSL
409A	82	79	300	120	100	100	431	431	120	100	100	431	431	120	100	100	431	431
418A	82	79	300	124	65	65	431	431	124	65	65	421	431	124	65	65	421	431
427A	82	79	300	123	65	65	421	421	123	65	65	421	421	123	65	65	421	421
433A	82	79	300	123	70	70	421	421	123	70	70	421	421	123	70	70	421	421
442A	82	79	300	124	70	70	421	431	124	70	70	421	431	124	70	70	421	431
451A	82	79	300	120	100	100	431	431	120	100	100	431	431	120	100	100	431	431

PANEL NUMBER			FLOOR	SPANDREL PLATE T4	SPANDREL PLATE FY4	SPANDREL PLATE SCL	SPANDREL PLATE SCR	WELDMENTS NO 5	WELDMENTS NO 6	WELDMENTS NO 7	SEAT DETAIL COL 1	SEAT DETAIL COL 2	SEAT DETAIL COL 3
409A	82	79	82	7/16	65	103	103	1/4 X12	1/4	0	5010	5210	1212
418A	82	79	82	7/16	42	103	103	1/4 X11	1/4	0	1611	5210	1111
427A	82	79	82	7/16	45	102	102	1/4 X 8	1/4	0	5110	1111	5210
433A	82	79	82	7/16	45	102	102	1/4 X 8	1/4	0	5210	1111	5110
2 442A	82	79	82	7/16	46	103	103	1/4 X10	1/4	0	7240	5210	4530
451A	82	79	82	7/16	70	103	103	1/4 X11	1/4	0	1212	5210	5010

PANEL NUMBER			FLOOR	SPANDREL PLATE T4	SPANDREL PLATE FY4	SPANDREL PLATE SCL	SPANDREL PLATE SCR	WELDMENTS NO 5	WELDMENTS NO 6	WELDMENTS NO 7	SEAT DETAIL COL 1	SEAT DETAIL COL 2	SEAT DETAIL COL 3
409A	82	79	81	7/16	70	103	103	1/4 X12	1/4	0	5010	5210	1212
418A	82	79	81	7/16	45	103	103	1/4 X11	1/4	0	1611	5210	1111
427A	82	79	81	7/16	45	102	102	1/4 X 8	1/4	0	5110	1111	5210
433A	82	79	81	7/16	46	102	102	1/4 X 8	1/4	0	5210	1111	5110
2 442A	82	79	81	7/16	46	103	103	1/4 X11	1/4	0	7240	5210	4530
451A	82	79	81	7/16	70	103	103	1/4 X12	1/4	0	1212	5210	5010

LICENSED PROFESSIONAL ENGINEER — LESLIE E. ROBERTSON — NEW YORK — 24360

PANEL NUMBER			FLOOR	SPANDREL PLATE T4	SPANDREL PLATE FY4	SPANDREL PLATE SCL	SPANDREL PLATE SCR	WELDMENTS NO 5	WELDMENTS NO 6	WELDMENTS NO 7	SEAT DETAIL COL 1	SEAT DETAIL COL 2	SEAT DETAIL COL 3
409A	82	79	80	7/16	70	103	103	1/4 X13	1/4	0	5010	5210	1212
418A	82	79	80	7/16	45	103	103	1/4 X12	1/4	0	1611	5210	1111
427A	82	79	80	7/16	45	102	102	1/4 X 9	1/4	0	5110	1111	5210
433A	82	79	80	7/16	50	102	102	1/4 X 9	1/4	0	5210	1111	5110
2 442A	82	79	80	7/16	50	103	103	1/4 X11	1/4	0	7240	5210	4530
451A	82	79	80	7/16	70	103	103	1/4 X12	1/4	0	1212	5210	5010

4-A1-373

WORTHINGTON, SKILLING, HELLE & JACKSON Civil & Structural Engineers

PROJECT THE WORLD TRADE CENTER | TITLE EXTERIOR WALL PANEL SCHEDULE | DATE 6-5-67

REVISIONS

PANEL NUMBER			PANEL TYPE	COLUMN 1					COLUMN 2					COLUMN 3				
				TYPE	FY1	FY2	CSU	CSL	TYPE	FY1	FY2	CSU	CSL	TYPE	FY1	FY2	CSU	CSL
200A	82	80	210	123	100	100	441	441	523	100	100	0	0	122	100	100	441	441
400A	82	80	210	123	100	100	441	441	523	100	100	0	0	122	100	100	441	441

PANEL NUMBER			FLOOR	SPANDREL PLATE				WELDMENTS			SEAT DETAIL		
				T4	FY4	SCL	SCR	NO 5	NO 6	NO 7	COL 1	COL 2	COL 3
200A	82	80	82	7/16	80	113	113	3/8 X16	1/4	0	1313	5010	5610
400A	82	80	82	7/16	75	113	113	3/8 X16	1/4	0	1313	5010	5610

PANEL NUMBER			FLOOR	SPANDREL PLATE				WELDMENTS			SEAT DETAIL		
				T4	FY4	SCL	SCR	NO 5	NO 6	NO 7	COL 1	COL 2	COL 3
200A	82	80	81	7/16	75	113	113	3/8 X16	1/4	0	1313	5010	5610
400A	82	80	81	7/16	70	113	113	3/8 X16	1/4	0	1313	5010	5610

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

4-A1-374

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

PROJECT: THE WORLD TRADE CENTER | TITLE: EXTERIOR WALL PANEL SCHEDULE | DATE: 6-5-67

EVISIONS

PANEL NUMBER	PANEL TYPE	COLUMN 1 TYPE	COL 1 FY1	COL 1 FY2	COL 1 CSU	COL 1 CSL	COLUMN 2 TYPE	COL 2 FY1	COL 2 FY2	COL 2 CSU	COL 2 CSL	COLUMN 3 TYPE	COL 3 FY1	COL 3 FY2	COL 3 CSU	COL 3 CSL
106A 83 80	300	126	65	65	431	431	127	60	60	431	431	127	60	60	431	431
115A 83 80	300	129	55	55	431	431	129	55	55	431	431	129	55	55	431	431
124A 83 80	300	129	50	50	421	431	129	50	50	421	431	129	50	50	421	431
136A 83 80	300	129	50	50	431	431	129	50	50	431	431	129	50	50	431	431
145A 83 80	300	129	55	55	431	431	129	55	55	431	431	129	60	60	431	431
154A 83 80	300	127	65	65	431	431	127	65	65	431	431	126	70	70	431	431

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	WELD NO 6	WELD NO 7	SEAT DETAIL COL 1	SEAT COL 2	SEAT COL 3
106A 83 80	83	7/16	45	103	103	1/4 X12	1/4	0	1311	5110	1411
115A 83 80	83	7/16	36	103	103	5/16X 9	5/16	0	5110	1411	5110
124A 83 80	83	7/16	36	103	102	0 X 0	5/16	0	1411	5110	1411
136A 83 80	83	7/16	36	103	103	5/16X 9	5/16	0	1411	5110	1411
145A 83 80	83	7/16	42	103	103	5/16X10	5/16	0	5110	1411	5110
154A 83 80	83	7/16	46	103	103	1/4 X14	1/4	0	1411	5110	1311

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	WELD NO 6	WELD NO 7	SEAT DETAIL COL 1	SEAT COL 2	SEAT COL 3
106A 83 80	82	7/16	42	103	103	1/4 X13	1/4	0	1311	5110	1411
115A 83 80	82	7/16	36	103	103	5/16X 9	5/16	0	5110	1411	5110
124A 83 80	82	7/16	36	103	103	0 X 0	5/16	0	1411	5110	1411
136A 83 80	82	7/16	36	103	103	5/16X 9	5/16	0	1411	5110	1411
145A 83 80	82	7/16	36	103	103	5/16X10	5/16	0	5110	1411	5110
154A 83 80	82	7/16	45	103	103	1/4 X14	1/4	0	1411	5110	1311

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

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	WELD NO 6	WELD NO 7	SEAT DETAIL COL 1	SEAT COL 2	SEAT COL 3
106A 83 80	81	7/16	42	103	103	1/4 X13	1/4	0	1311	5110	1411
115A 83 80	81	7/16	36	103	103	5/16X 9	5/16	0	5110	1411	5110
124A 83 80	81	7/16	36	103	103	5/16X 8	5/16	0	1411	5110	1411
136A 83 80	81	7/16	36	103	103	5/16X 9	5/16	0	1411	5110	1411
145A 83 80	81	7/16	42	103	103	5/16X10	5/16	0	5110	1411	5110
154A 83 80	81	7/16	45	103	103	1/4 X15	1/4	0	1411	5110	1311

SKILLING-HELLE-CHRISTIANSEN-ROBERTSON — **Civil & Structural Engineers**

PROJECT: THE WORLD TRADE CENTER | TITLE: EXTERIOR WALL PANEL SCHEDULE | DATE: 12-5-67

REVISIONS

PANEL NUMBER			PANEL TYPE	COLUMN 1 TYPE	COL 1 FY1	COL 1 FY2	COL 1 CSU	COL 1 CSL	COLUMN 2 TYPE	COL 2 FY1	COL 2 FY2	COL 2 CSU	COL 2 CSL	COLUMN 3 TYPE	COL 3 FY1	COL 3 FY2	COL 3 CSU	COL 3 CSL
206A	83	80	300	120	100	100	431	431	120	100	100	431	431	120	100	100	431	431
215A	83	80	300	122	85	85	431	431	123	80	80	431	431	123	75	75	431	431
224A	83	80	300	123	75	75	421	421	123	75	75	421	421	123	75	75	421	421
236A	83	80	300	123	65	65	421	421	123	65	65	421	421	123	65	65	421	421
245A	83	80	300	123	70	70	421	431	123	70	70	421	431	122	80	80	421	431
254A	83	80	300	120	100	100	431	431	120	100	100	431	431	120	100	100	431	431

X

PANEL NUMBER			FLOOR	SPANDREL PLATE T4	SPANDREL PLATE FY4	SPANDREL PLATE SCL	SPANDREL PLATE SCR	WELDMENTS NO 5	WELDMENTS NO 6	WELDMENTS NO 7	SEAT DETAIL COL 1	SEAT DETAIL COL 2	SEAT DETAIL COL 3
206A	83	80	83	7/16	70	103	103	1/4 X12	1/4	0	5110	1212	5110
215A	83	80	83	7/16	60	103	103	1/4 X12	1/4	0	1212	5510	5110
2 224A	83	80	83	7/16	50	102	102	1/4 X 9	1/4	0	4120	5110	1111
236A	83	80	83	7/16	45	102	102	1/4 X 8	1/4	0	1111	5110	1111
245A	83	80	83	7/16	55	102	103	1/4 X11	1/4	0	5110	5310	1212
254A	83	80	83	7/16	65	103	103	1/4 X11	1/4	0	5110	1212	5110

PANEL NUMBER			FLOOR	SPANDREL PLATE T4	SPANDREL PLATE FY4	SPANDREL PLATE SCL	SPANDREL PLATE SCR	WELDMENTS NO 5	WELDMENTS NO 6	WELDMENTS NO 7	SEAT DETAIL COL 1	SEAT DETAIL COL 2	SEAT DETAIL COL 3
206A	83	80	82	7/16	70	103	103	1/4 X12	1/4	0	5110	1212	5110
215A	83	80	82	7/16	55	103	103	1/4 X12	1/4	0	1212	5510	5110
2 224A	83	80	82	7/16	46	102	102	1/4 X 9	1/4	0	4110	5110	1111
236A	83	80	82	7/16	42	102	102	1/4 X 8	1/4	0	1111	5110	1111
245A	83	80	82	7/16	50	103	103	1/4 X11	1/4	0	5110	5310	1212
254A	83	80	82	7/16	65	103	103	1/4 X11	1/4	0	5110	1212	5110

LICENSED PROFESSIONAL ENGINEER LESLIE E. ROBERTSON UNIVERSITY OF [illegible]

PANEL NUMBER			FLOOR	SPANDREL PLATE T4	SPANDREL PLATE FY4	SPANDREL PLATE SCL	SPANDREL PLATE SCR	WELDMENTS NO 5	WELDMENTS NO 6	WELDMENTS NO 7	SEAT DETAIL COL 1	SEAT DETAIL COL 2	SEAT DETAIL COL 3
206A	83	80	81	7/16	70	103	103	1/4 X13	1/4	0	5110	1212	5110
215A	83	80	81	7/16	55	103	103	1/4 X13	1/4	0	1212	5510	5110
2 224A	83	80	81	7/16	50	102	102	1/4 X 9	1/4	0	4110	5110	1111
236A	83	80	81	7/16	42	102	102	1/4 X 9	1/4	0	1111	5110	1111
245A	83	80	81	7/16	50	103	103	1/4 X11	1/4	0	5110	5310	1212
254A	83	80	81	7/16	65	103	103	1/4 X11	1/4	0	5110	1212	5110

4-AL-376

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

PROJECT	TITLE	DATE
THE WORLD TRADE CENTER	EXTERIOR WALL PANEL SCHEDULE	6-5-67

REVISIONS

PANEL NUMBER		PANEL TYPE	COLUMN 1					COLUMN 2					COLUMN 3				
			TYPE	FY1	FY2	CSU	CSL	TYPE	FY1	FY2	CSU	CSL	TYPE	FY1	FY2	CSU	CSL
306A	83 80	300	126	60	60	431	431	127	60	60	431	431	127	60	60	431	431
315A	83 80	300	129	55	55	431	431	129	55	55	431	431	129	55	55	431	431
324A	83 80	300	129	55	55	421	431	129	55	55	421	421	129	55	55	421	421
336A	83 80	300	129	55	55	431	431	129	55	55	431	431	129	55	55	431	431
345A	83 80	300	129	60	60	431	431	129	60	60	431	431	129	60	60	431	431
354A	83 80	300	127	65	65	431	431	127	65	65	431	431	126	65	65	431	431

PANEL NUMBER		FLOOR	SPANDREL PLATE T4	FY4	SCL	SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
306A	83 80	83	7/16	42	103	103	1/4 X12	1/4	0	1311	5110	1411
315A	83 80	83	7/16	42	103	103	5/16X [illegible]	5/16	0	5110	1411	5110
324A	83 80	83	7/16	36	103	102	0 X [illegible]	5/16	0	1411	5110	1411
336A	83 80	83	7/16	36	103	103	5/16X 9	5/16	0	1411	5110	1411
345A	83 80	83	7/16	42	103	103	5/16X 9	5/16	0	5110	1411	5110
354A	83 80	83	7/16	45	103	103	1/4 X13	1/4	0	1411	5110	1311

PANEL NUMBER		FLOOR	SPANDREL PLATE T4	FY4	SCL	SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
306A	83 80	82	7/16	42	103	103	1/4 X12	1/4	0	1311	5110	1411
315A	83 80	82	7/16	36	103	103	5/16X 9	5/16	0	5110	1411	5110
324A	83 80	82	7/16	36	103	102	0 X 0	5/16	0	1411	5110	1411
336A	83 80	82	7/16	42	103	103	5/16X 9	5/16	0	1411	5110	1411
345A	83 80	82	7/16	42	103	103	5/16X10	5/16	0	5110	1411	5110
354A	83 80	82	7/16	45	103	103	1/4 X14	1/4	0	1411	5110	1311

PANEL NUMBER		FLOOR	SPANDREL PLATE T4	FY4	SCL	SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
306A	83 80	81	7/16	42	103	103	1/4 X13	1/4	0	1311	5110	1411
315A	83 80	81	7/16	36	103	103	5/16X 9	5/16	0	5110	1411	5110
324A	83 80	81	7/16	36	103	103	0 X 0	5/16	0	1411	5110	1411
336A	83 80	81	7/16	42	103	103	5/16X 9	5/16	0	1411	5110	1411
345A	83 80	81	7/16	42	103	103	5/16X10	5/16	0	5110	1411	5110
354A	83 80	81	7/16	45	103	103	1/4 X15	1/4	0	1411	5110	1311

LICENSED PROFESSIONAL ENGINEER
LESLIE E. ROBERTSON
No. 34360
UNIVERSITY OF THE STATE OF N.Y.

4-A1-377

SKILLING-HELLE-CHRISTIANSEN-ROBERTSON — **Civil & Structural Engineers**

PROJECT: THE WORLD TRADE CENTER | TITLE: EXTERIOR WALL PANEL SCHEDULE | DATE: 12-5-67

EVISIONS

PANEL NUMBER	PANEL TYPE	COLUMN 1 TYPE	COL 1 FY1	COL 1 FY2	COL 1 CSU	COL 1 CSL	COLUMN 2 TYPE	COL 2 FY1	COL 2 FY2	COL 2 CSU	COL 2 CSL	COLUMN 3 TYPE	COL 3 FY1	COL 3 FY2	COL 3 CSU	COL 3 CSL
406A 83 80	300	120	100	100	431	431	120	100	100	431	431	120	100	100	431	431
415A 83 80	300	122	80	80	431	431	123	75	75	421	431	123	70	70	421	431
424A 83 80	300	123	65	65	421	421	123	65	65	421	421	123	65	65	421	421
436A 83 80	300	123	70	70	421	421	123	75	75	421	421	123	75	75	421	421
445A 83 80	300	123	75	75	421	431	123	80	80	421	431	122	85	85	421	431
454A 83 80	300	120	100	100	431	431	120	100	100	431	431	120	100	100	431	431

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SPAN FY4	SPAN SCL	SPAN SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
406A 83 80	83	7/16	65	103	103	1/4 X11	1/4	0	5110	1212	5110
415A 83 80	83	7/16	55	103	103	1/4 X11	1/4	0	1212	5510	5110
424A 83 80	83	7/16	45	102	102	1/4 X 8	1/4	0	1111	5110	1111
2 436A 83 80	83	7/16	50	102	102	1/4 X 8	1/4	0	1111	5110	4120
445A 83 80	83	7/16	60	103	103	1/4 X11	1/4	0	5110	5310	1212
454A 83 80	83	7/16	65	103	103	1/4 X11	1/4	0	5110	1212	5110

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SPAN FY4	SPAN SCL	SPAN SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
406A 83 80	82	7/16	70	103	103	1/4 X12	1/4	0	5110	1212	5110
415A 83 80	82	7/16	50	103	103	1/4 X12	1/4	0	1212	5510	5110
424A 83 80	82	7/16	42	102	102	1/4 X 9	1/4	0	1111	5110	1111
2 436A 83 80	82	7/16	46	102	102	1/4 X 9	1/4	0	1111	5110	4110
445A 83 80	82	7/16	55	103	103	1/4 X12	1/4	0	5110	5310	1212
454A 83 80	82	7/16	70	103	103	1/4 X11	1/4	0	5110	1212	5110

LICENSED PROFESSIONAL ENGINEER — LESLIE E. ROBERTSON — NEW YORK

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SPAN FY4	SPAN SCL	SPAN SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
406A 83 80	81	7/16	70	103	103	1/4 X13	1/4	0	5110	1212	5110
415A 83 80	81	7/16	55	103	103	1/4 X13	1/4	0	1212	5510	5110
424A 83 80	81	7/16	45	102	102	1/4 X 9	1/4	0	1111	5110	1111
2 436A 83 80	81	7/16	50	102	102	1/4 X 9	1/4	0	1111	5110	4110
445A 83 80	81	7/16	55	103	103	1/4 X12	1/4	0	5110	5310	1212
454A 83 80	81	7/16	70	103	103	1/4 X12	1/4	0	5110	1212	5110

4-A1-378

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

PROJECT: THE WORLD TRADE CENTER | TITLE: EXTERIOR WALL PANEL SCHEDULE | DATE: 6-5-67

REVISIONS

PANEL NUMBER	PANEL TYPE	COLUMN 1					COLUMN 2					COLUMN 3				
		TYPE	FY1	FY2	CSU	CSL	TYPE	FY1	FY2	CSU	CSL	TYPE	FY1	FY2	CSU	CSL
100A 83 81	210	121	100	100	441	441	523	100	100	0	0	123	90	90	441	441
300A 83 81	210	121	100	100	441	441	523	100	100	0	0	123	85	85	441	441

PANEL NUMBER	FLOOR	SPANDREL PLATE				WELDMENTS			SEAT DETAIL		
		T4	FY4	SCL	SCR	NO 5	NO 6	NO 7	COL 1	COL 2	COL 3
100A 83 81	83	7/16	75	112	112	5/16X16	1/4	0	5410	5010	1313
300A 83 81	83	7/16	70	112	112	5/16X16	1/4	0	5410	5010	1313

PANEL NUMBER	FLOOR	SPANDREL PLATE				WELDMENTS			SEAT DETAIL		
		T4	FY4	SCL	SCR	NO 5	NO 6	NO 7	COL 1	COL 2	COL 3
100A 83 81	82	7/16	75	112	112	5/16X16	1/4	0	5410	5010	1313
300A 83 81	82	7/16	75	112	112	5/16X16	1/4	0	5410	5010	1313

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

4-A1-379

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

PROJECT	TITLE	DATE
THE WORLD TRADE CENTER	EXTERIOR WALL PANEL SCHEDULE	6-5-67

REVISIONS

PANEL NUMBER			Panel TYPE	COLUMN 1					COLUMN 2					COLUMN 3				
				TYPE	FY1	FY2	CSU	CSL	TYPE	FY1	FY2	CSU	CSL	TYPE	FY1	FY2	CSU	CSL
103A	84	81	300	122	90	90	431	431	123	75	75	431	431	124	70	70	431	431
112A	84	81	300	129	55	55	431	431	129	55	55	431	431	129	55	55	431	431
121A	84	81	300	129	50	50	421	431	129	50	50	421	431	129	50	50	421	431
130A	84	81	300	129	50	50	421	421	129	50	50	421	421	129	50	50	421	431
139A	84	81	300	129	55	55	431	431	129	55	55	431	431	129	55	55	431	431
148A	84	81	300	129	60	60	421	431	129	60	60	431	431	129	60	60	431	431
157A	84	81	300	124	70	70	431	431	123	80	80	431	431	122	100	100	431	441

PANEL NUMBER			FLOOR	SPANDREL PLATE T4	FY4	SCL	SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
103A	84	81	84	3/8	70	112	103	1/4 X14	1/4	0	5110	1311	5210
112A	84	81	84	3/8	36	103	103	5/16X 8	5/16	0	1511	5210	1411
121A	84	81	84	3/8	36	103	102	0 X 0	5/16	0	5210	1411	5210
130A	84	81	84	3/8	36	102	103	0 X 0	5/16	0	1411	5210	1411
139A	84	81	84	3/8	42	103	105	5/16X 9	5/16	0	5210	1411	5210
148A	84	81	84	3/8	42	103	105	5/16X 9	5/16	0	1411	5210	1511
157A	84	81	84	3/8	75	103	112	1/4 X15	1/4	0	5210	1311	5110

PANEL NUMBER			FLOOR	SPANDREL PLATE T4	FY4	SCL	SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
103A	84	81	83	7/16	75	112	103	1/4 X15	1/4	0	5110	1311	5210
112A	84	81	83	7/16	42	103	103	5/16X 9	5/16	0	1511	5210	1411
121A	84	81	83	7/16	36	103	103	0 X 0	5/16	0	5210	1411	5210
130A	84	81	83	7/16	36	102	103	0 X 0	5/16	0	1411	5210	1411
139A	84	81	83	7/16	36	103	105	5/16X 9	5/16	0	5210	1411	5210
148A	84	81	83	7/16	42	103	103	5/16X10	5/16	0	1411	5210	1511
157A	84	81	83	7/16	80	103	113	5/16X16	1/4	0	5210	1311	5110

PANEL NUMBER			FLOOR	SPANDREL PLATE T4	FY4	SCL	SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
103A	84	81	82	7/16	65	112	103	1/4 X15	1/4	0	5110	1311	5210
112A	84	81	82	7/16	36	103	103	5/16X 9	5/16	0	1511	5210	1411
121A	84	81	82	7/16	36	103	103	5/16X 8	5/16	0	5210	1411	5210
130A	84	81	82	7/16	36	103	103	0 X 0	5/16	0	1411	5210	1411
139A	84	81	82	7/16	36	103	103	5/16X10	5/16	0	5210	1411	5210
148A	84	81	82	7/16	42	103	103	5/16X10	5/16	0	1411	5210	1511
157A	84	81	82	7/16	70	103	113	5/16X16	1/4	0	5210	1311	5110

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

4-A1-380

SKILLING-HELLE-CHRISTIANSEN-ROBERTSON — **Civil & Structural Engineers**

PROJECT: THE WORLD TRADE CENTER | TITLE: EXTERIOR WALL PANEL SCHEDULE | DATE: 12-5-67

REVISIONS

PANEL NUMBER			PANEL TYPE	COLUMN 1					COLUMN 2					COLUMN 3				
				TYPE	FY1	FY2	CSU	CSL	TYPE	FY1	FY2	CSU	CSL	TYPE	FY1	FY2	CSU	CSL
203A	84	81	300	120	100	100	431	441	120	100	100	431	431	120	100	100	431	431
212A	84	81	300	120	100	100	431	431	120	100	100	431	431	121	100	100	431	431
221A	84	81	300	124	70	70	421	421	123	70	70	421	421	123	75	75	421	421
230A	84	81	300	123	70	70	421	421	123	70	70	421	421	123	70	70	421	421
239A	84	81	300	123	65	65	421	421	123	65	65	421	421	124	65	65	421	421
248A	84	81	300	121	85	85	421	431	120	90	90	421	431	120	90	90	421	431
257A	84	81	300	120	90	90	431	431	120	90	90	431	431	120	100	100	431	431

PANEL NUMBER			FLOOR	SPANDREL PLATE				WELDMENTS			SEAT DETAIL		
				T4	FY4	SCL	SCR	NO 5	NO 6	NO 7	COL 1	COL 2	COL 3
203A	84	81	84	3/8	85	112	103	1/4 X13	1/4	0	1013	5210	5010
212A	84	81	84	3/8	65	103	103	1/4 X11	1/4	0	5210	5010	5210
221A	84	81	84	3/8	50	102	102	1/4 X 9	1/4	0	5210	1111	5210
230A	84	81	84	3/8	46	102	102	0 X 0	1/4	0	1111	5210	1111
239A	84	81	84	3/8	45	102	102	1/4 X 8	1/4	0	5210	1111	5210
248A	84	81	84	3/8	60	102	103	1/4 X 9	1/4	0	5210	5010	5210
257A	84	81	84	3/8	75	103	112	1/4 X12	1/4	0	5010	5210	1013

	PANEL NUMBER			FLOOR	SPANDREL PLATE				WELDMENTS			SEAT DETAIL		
					T4	FY4	SCL	SCR	NO 5	NO 6	NO 7	COL 1	COL 2	COL 3
	203A	84	81	83	7/16	85	113	103	1/4 X14	1/4	0	1013	5210	5010
	212A	84	81	83	7/16	70	103	103	1/4 X11	1/4	0	5210	5010	5210
2	221A	84	81	83	7/16	50	103	102	1/4 X 9	1/4	0	5210	4120	5210
	230A	84	81	83	7/16	50	102	102	0 X 0	1/4	0	1111	5210	1111
	239A	84	81	83	7/16	45	102	102	1/4 X 9	1/4	0	5210	1111	5210
	248A	84	81	83	7/16	60	103	103	1/4 X10	1/4	0	5210	5010	5210
	257A	84	81	83	7/16	80	103	112	1/4 X12	1/4	0	5010	5210	1013

	PANEL NUMBER			FLOOR	SPANDREL PLATE				WELDMENTS			SEAT DETAIL		
					T4	FY4	SCL	SCR	NO 5	NO 6	NO 7	COL 1	COL 2	COL 3
	203A	84	81	82	7/16	85	113	103	1/4 X15	1/4	0	1013	5210	5010
	212A	84	81	82	7/16	70	103	103	1/4 X12	1/4	0	5210	5010	5210
2	221A	84	81	82	7/16	50	103	102	1/4 X10	1/4	0	5210	7240	5210
	230A	84	81	82	7/16	45	102	102	0 X 0	1/4	0	1111	5210	1111
	239A	84	81	82	7/16	45	102	102	1/4 X 9	1/4	0	5210	1111	5210
	248A	84	81	82	7/16	65	103	103	1/4 X10	1/4	0	5210	5010	5210
	257A	84	81	82	7/16	80	103	112	1/4 X13	1/4	0	5010	5210	1013

LICENSED PROFESSIONAL ENGINEER — LESLIE E. ROBERTSON — NEW YORK

4-41-381

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

PROJECT: THE WORLD TRADE CENTER | TITLE: EXTERIOR WALL PANEL SCHEDULE | DATE: 6-5-67

REVISIONS

PANEL NUMBER	PANEL TYPE	COLUMN 1 TYPE	COL 1 FY1	COL 1 FY2	COL 1 CSU	COL 1 CSL	COLUMN 2 TYPE	COL 2 FY1	COL 2 FY2	COL 2 CSU	COL 2 CSL	COLUMN 3 TYPE	COL 3 FY1	COL 3 FY2	COL 3 CSU	COL 3 CSL
303A 84 81	300	122	90	90	431	431	123	75	75	431	431	124	65	65	431	431
312A 84 81	300	129	55	55	431	431	129	55	55	431	431	129	55	55	431	431
321A 84 81	300	129	55	55	421	431	129	55	55	421	431	129	55	55	421	431
330A 84 81	300	129	55	55	421	421	129	55	55	421	421	129	55	55	421	431
339A 84 81	300	129	55	55	431	431	129	55	55	431	431	129	60	60	431	431
348A 84 81	300	129	60	60	431	431	129	60	60	431	431	129	60	60	431	431
357A 84 81	300	124	70	70	431	431	123	80	80	431	431	122	100	100	431	441

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
303A 84 81	84	3/8	70	112	103	1/4 X13	1/4	0	5110	1311	5210
312A 84 81	84	3/8	36	103	103	0 X 0	5/16	0	1511	5210	1411
321A 84 81	84	3/8	36	102	102	0 X 0	5/16	0	5210	1411	5210
330A 84 81	84	3/8	42	102	103	0 X 0	5/16	0	1411	5210	1411
339A 84 81	84	3/8	42	103	103	5/16X 9	5/16	0	5210	1411	5210
348A 84 81	84	3/8	42	103	103	5/16X 9	5/16	0	1411	5210	1511
357A 84 81	84	3/8	75	103	112	1/4 X15	1/4	0	5210	1311	5110

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
303A 84 81	83	7/16	70	112	103	1/4 X14	1/4	0	5110	1311	5210
312A 84 81	83	7/16	42	103	103	5/16X 8	5/16	0	1511	5210	1411
321A 84 81	83	7/16	36	103	103	0 X 0	5/16	0	5210	1411	5210
330A 84 81	83	7/16	36	102	103	0 X 0	5/16	0	1411	5210	1411
339A 84 81	83	7/16	36	103	103	5/16X 9	5/16	0	5210	1411	5210
348A 84 81	83	7/16	42	103	103	5/16X10	5/16	0	1411	5210	1511
357A 84 81	83	7/16	75	103	113	1/4 X16	1/4	0	5210	1311	5110

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
303A 84 81	82	7/16	65	112	103	1/4 X15	1/4	0	5110	1311	5210
312A 84 81	82	7/16	36	103	103	5/16X 9	5/16	0	1511	5210	1411
321A 84 81	82	7/16	36	103	103	0 X 0	5/16	0	5210	1411	5210
330A 84 81	82	7/16	36	103	103	0 X 0	5/16	0	1411	5210	1411
339A 84 81	82	7/16	42	103	103	5/16X10	5/16	0	5210	1411	5210
348A 84 81	82	7/16	42	103	103	5/16X10	5/16	0	1411	5210	1511
357A 84 81	82	7/16	70	103	113	5/16X16	1/4	0	5210	1311	5110

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

4-A1-382

SKILLING-HELLE-CHRISTIANSEN-ROBERTSON — **Civil & Structural Engineers**

PROJECT: THE WORLD TRADE CENTER | TITLE: EXTERIOR WALL PANEL SCHEDULE | DATE: 12-5-67

REVISIONS

PANEL NUMBER	PANEL TYPE	COLUMN 1 TYPE	COL 1 FY1	COL 1 FY2	COL 1 CSU	COL 1 CSL	COLUMN 2 TYPE	COL 2 FY1	COL 2 FY2	COL 2 CSU	COL 2 CSL	COLUMN 3 TYPE	COL 3 FY1	COL 3 FY2	COL 3 CSU	COL 3 CSL
403A 84 81	300	120	100	100	431	441	120	100	100	431	431	120	100	100	431	431
412A 84 81	300	120	100	100	431	431	120	100	100	431	431	121	90	90	431	431
421A 84 81	300	124	65	65	421	421	123	65	65	421	421	123	70	70	421	421
430A 84 81	300	123	70	70	421	421	123	70	70	421	421	123	70	70	421	421
439A 84 81	300	123	75	75	421	421	123	70	70	421	421	124	70	70	421	421
448A 84 81	300	121	100	100	421	431	120	100	100	421	431	120	100	100	421	431
457A 84 81	300	120	100	100	431	431	120	100	100	431	431	120	100	100	431	431

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
403A 84 81	84	3/8	80	112	103	1/4 X13	1/4	0	1013	5210	5010
412A 84 81	84	3/8	65	103	103	1/4 X11	1/4	0	5210	5010	5210
421A 84 81	84	3/8	46	102	102	1/4 X 9	1/4	0	5210	1111	5210
430A 84 81	84	3/8	46	102	102	0 X 0	1/4	0	1111	5210	1111
439A 84 81	84	3/8	50	102	102	1/4 X 9	1/4	0	5210	1111	5210
448A 84 81	84	3/8	65	103	103	1/4 X10	1/4	0	5210	5010	5210
457A 84 81	84	3/8	80	103	112	1/4 X12	1/4	0	5010	5210	1013

	PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
	403A 84 81	83	7/16	80	112	103	1/4 X14	1/4	0	1013	5210	5010
	~~412A 84 81~~	~~83~~	~~7/16~~	~~65~~	~~103~~	~~103~~	~~1/4 X11~~	~~1/4~~	~~0~~	~~5210~~	~~5010~~	~~5210~~
	421A 84 81	83	7/16	45	102	102	1/4 X 9	1/4	0	5210	1111	5210
	430A 84 81	83	7/16	50	102	102	0 X 0	1/4	0	1111	5210	1111
2	439A 84 81	83	7/16	50	102	102	1/4 X 9	1/4	0	5210	(4120)	5210
	448A 84 81	83	7/16	65	103	103	1/4 X10	1/4	0	5210	5010	5210
	457A 84 81	83	7/16	80	103	112	1/4 X13	1/4	0	5010	5210	1013



	PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
	403A 84 81	82	7/16	85	113	103	1/4 X15	1/4	0	1013	5210	5010
	412A 84 81	82	7/16	65	103	103	1/4 X12	1/4	0	5210	5010	5210
	421A 84 81	82	7/16	45	103	102	1/4 X10	1/4	0	5210	1111	5210
	430A 84 81	82	7/16	45	102	102	1/4 X 8	1/4	0	1111	5210	1111
2	439A 84 81	82	7/16	50	102	103	1/4 X 9	1/4	0	5210	(7240)	5210
	448A 84 81	82	7/16	70	103	103	1/4 X11	1/4	0	5210	5010	5210
	457A 84 81	82	7/16	85	103	112	1/4 X13	1/4	0	5010	5210	1013

4-A1-383

WORTHINGTON, SKILLING, HELLE & JACKSON Civil & Structural Engineers

PROJECT: THE WORLD TRADE CENTER | TITLE: EXTERIOR WALL PANEL SCHEDULE | DATE: 6-5-67

REVISIONS

PANEL NUMBER	PANEL TYPE	COLUMN 1 TYPE	COL 1 FY1	COL 1 FY2	COL 1 CSU	COL 1 CSL	COLUMN 2 TYPE	COL 2 FY1	COL 2 FY2	COL 2 CSU	COL 2 CSL	COLUMN 3 TYPE	COL 3 FY1	COL 3 FY2	COL 3 CSU	COL 3 CSL
200A 84 82	210	123	100	100	441	441	523	100	100	0	0	121	100	100	441	441
400A 84 82	210	123	100	100	441	441	523	100	100	0	0	121	100	100	441	441

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
200A 84 82	84	3/8	75	112	112	5/16X16	1/4	0	1313	5010	5610
400A 84 82	84	3/8	75	112	112	5/16X16	1/4	0	1313	5010	5610

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
200A 84 82	83	7/16	80	113	113	3/8 X16	1/4	0	1313	5010	5610
~~400A 84 82~~	~~83~~	~~7/16~~	~~75~~	~~113~~	~~112~~	~~5/16X16~~	~~1/4~~	~~0~~	~~1313~~	~~5010~~	~~5610~~

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

4-A1-384

WORTHINGTON, SKILLING, HELLE & JACKSON Civil & Structural Engineers

PROJECT: THE WORLD TRADE CENTER | TITLE: EXTERIOR WALL PANEL SCHEDULE | DATE: 6-5-67

REVISIONS

PANEL NUMBER			PANEL TYPE	COLUMN 1 TYPE	COL 1 FY1	COL 1 FY2	COL 1 CSU	COL 1 CSL	COLUMN 2 TYPE	COL 2 FY1	COL 2 FY2	COL 2 CSU	COL 2 CSL	COLUMN 3 TYPE	COL 3 FY1	COL 3 FY2	COL 3 CSU	COL 3 CSL
109A	85	82	300	127	60	60	431	431	128	55	55	431	431	128	55	55	431	431
118A	85	82	300	128	55	55	421	431	128	55	55	421	431	128	55	55	421	431
127A	85	82	300	128	50	50	421	421	128	50	50	421	421	128	50	50	421	421
133A	85	82	300	129	50	50	421	431	129	50	50	421	431	129	50	50	421	431
142A	85	82	300	129	55	55	431	431	128	55	55	431	431	128	55	55	431	431
151A	85	82	300	128	60	60	431	431	128	60	60	431	431	127	60	60	431	431

PANEL NUMBER			FLOOR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
109A	85	82	85	3/8	42	103	103	1/4 X12	1/4	0	5210	1411	5210
118A	85	82	85	3/8	36	103	103	1/4 X11	1/4	0	1411	5210	1411
127A	85	82	85	3/8	36	102	102	1/4 X 9	1/4	0	5110	1411	5210
133A	85	82	85	3/8	36	102	103	0 X 0	5/16	0	5210	1411	5110
142A	85	82	85	3/8	42	103	103	1/4 X13	1/4	0	1411	5210	1411
151A	85	82	85	3/8	42	103	103	1/4 X13	1/4	0	5210	1411	5210

PANEL NUMBER			FLOOR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
109A	85	82	84	3/8	42	103	103	1/4 X12	1/4	0	5210	1411	5210
~~118A~~	~~85~~	~~82~~	~~84~~	~~3/8~~	~~36~~	~~103~~	~~103~~	~~1/4 X11~~	~~1/4~~	~~0~~	~~1411~~	~~5210~~	~~1411~~
127A	85	82	84	3/8	36	102	102	1/4 X10	1/4	0	5110	1411	5210
133A	85	82	84	3/8	36	103	103	0 X 0	5/16	0	5210	1411	5110
142A	85	82	84	3/8	42	103	103	1/4 X13	1/4	0	1411	5210	1411
151A	85	82	84	3/8	42	103	103	1/4 X13	1/4	0	5210	1411	5210

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

PANEL NUMBER			FLOOR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
109A	85	82	83	7/16	42	103	103	1/4 X13	1/4	0	5210	1411	5210
118A	85	82	83	7/16	36	103	103	1/4 X12	1/4	0	1411	5210	1411
127A	85	82	83	7/16	36	102	102	1/4 X10	1/4	0	5110	1411	5210
133A	85	82	83	7/16	36	103	103	5/16X 8	5/16	0	5210	1411	5110
142A	85	82	83	7/16	42	103	103	1/4 X14	1/4	0	1411	5210	1411
151A	85	82	83	7/16	42	103	103	1/4 X14	1/4	0	5210	1411	5210

4-A1-385

SKILLING-HELLE-CHRISTIANSEN-ROBERTSON — **Civil & Structural Engineers**

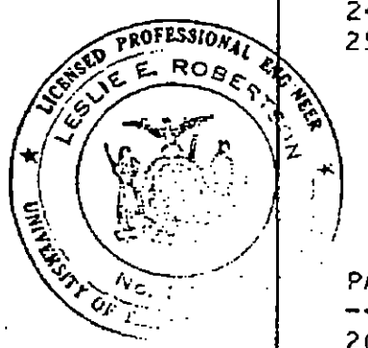
PROJECT: THE WORLD TRADE CENTER | TITLE: EXTERIOR WALL PANEL SCHEDULE | DATE: 12-5-67

REVISIONS

PANEL NUMBER	PANEL TYPE	COLUMN 1 TYPE	COL 1 FY1	COL 1 FY2	COL 1 CSU	COL 1 CSL	COLUMN 2 TYPE	COL 2 FY1	COL 2 FY2	COL 2 CSU	COL 2 CSL	COLUMN 3 TYPE	COL 3 FY1	COL 3 FY2	COL 3 CSU	COL 3 CSL
209A 85 82	300	120	100	100	431	431	120	100	100	431	431	120	100	100	431	431
218A 85 82	300	123	75	75	421	431	123	75	75	421	421	123	70	70	421	421
227A 85 82	300	122	70	70	421	421	122	70	70	421	421	122	70	70	421	421
233A 85 82	300	122	70	70	421	421	122	65	65	421	421	122	65	65	421	421
242A 85 82	300	123	65	65	421	421	123	65	65	421	421	123	65	65	421	421
251A 85 82	300	120	90	90	421	431	120	90	90	421	431	120	90	90	421	431

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
209A 85 82	85	3/8	65	103	103	1/4 X11	1/4	0	5010	5210	1212
218A 85 82	85	3/8	50	102	102	1/4 X 9	1/4	0	1611	5210	1111
227A 85 82	85	3/8	46	102	102	1/4 X 8	1/4	0	5110	1111	5210
233A 85 82	85	3/8	45	102	102	1/4 X 8	1/4	0	5210	1111	5110
242A 85 82	85	3/8	42	102	102	1/4 X 8	1/4	0	1111	5210	1611
251A 85 82	85	3/8	60	102	103	1/4 X 9	1/4	0	1212	5210	5010

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
209A 85 82	84	3/8	65	103	103	1/4 X11	1/4	0	5010	5210	1212
218A 85 82	84	3/8	50	103	102	1/4 X10	1/4	0	1611	5210	1111
227A 85 82	84	3/8	50	102	102	1/4 X 8	1/4	0	5110	1111	5210
233A 85 82	84	3/8	45	102	102	1/4 X 8	1/4	0	5210	1111	5110
242A 85 82	84	3/8	45	102	102	1/4 X 9	1/4	0	1111	5210	1611
251A 85 82	84	3/8	60	103	103	1/4 X10	1/4	0	1212	5210	5010



PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
209A 85 82	83	7/16	70	103	103	1/4 X12	1/4	0	5010	5210	1212
2 218A 85 82	83	7/16	50	103	103	1/4 X10	1/4	0	4510	5210	4120
227A 85 82	83	7/16	50	102	102	1/4 X 9	1/4	0	5110	1111	5210
233A 85 82	83	7/16	46	102	102	1/4 X 8	1/4	0	5210	1111	5110
242A 85 82	83	7/16	45	102	102	1/4 X 9	1/4	0	1111	5210	1611
251A 85 82	83	7/16	60	103	103	1/4 X10	1/4	0	1212	5210	5010

4-A1-286

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

PROJECT: THE WORLD TRADE CENTER | TITLE: EXTERIOR WALL PANEL SCHEDULE | DATE: 6-5-67

REVISIONS

PANEL NUMBER			PANEL TYPE	COLUMN 1					COLUMN 2					COLUMN 3				
				TYPE	FY1	FY2	CSU	CSL	TYPE	FY1	FY2	CSU	CSL	TYPE	FY1	FY2	CSU	CSL
309A	85	82	300	127	60	60	431	431	128	55	55	421	431	128	55	55	421	431
318A	85	82	300	128	55	55	421	431	128	55	55	421	431	128	55	55	421	431
327A	85	82	300	128	55	55	421	421	128	55	55	421	421	128	55	55	421	421
333A	85	82	300	129	55	55	421	431	129	55	55	421	431	129	55	55	421	431
342A	85	82	300	129	55	55	431	431	128	60	60	431	431	128	60	60	431	431
351A	85	82	300	128	60	60	431	431	128	60	60	431	431	127	60	60	431	431

PANEL NUMBER			FLOOR	SPANDREL PLATE				WELDMENTS			SEAT DETAIL		
				T4	FY4	SCL	SCR	NO 5	NO 6	NO 7	COL 1	COL 2	COL 3
309A	85	82	85	3/8	42	103	103	1/4 X11	1/4	0	5210	1411	5210
318A	85	82	85	3/8	42	103	102	1/4 X11	1/4	0	1411	5210	1411
327A	85	82	85	3/8	42	102	102	1/4 X 9	1/4	0	5110	1411	5210
333A	85	82	85	3/8	42	102	103	0 X 0	5/16	0	5210	1411	5110
342A	85	82	85	3/8	42	103	103	1/4 X12	1/4	0	1411	5210	1411
351A	85	82	85	3/8	42	103	103	1/4 X13	1/4	0	5210	1411	5210

PANEL NUMBER			FLOOR	SPANDREL PLATE				WELDMENTS			SEAT DETAIL		
				T4	FY4	SCL	SCR	NO 5	NO 6	NO 7	COL 1	COL 2	COL 3
309A	85	82	84	3/8	42	103	103	1/4 X11	1/4	0	5210	1411	5210
318A	85	82	84	3/8	36	103	102	1/4 X11	1/4	0	1411	5210	1411
327A	85	82	84	3/8	36	102	102	1/4 X10	1/4	0	5110	1411	5210
333A	85	82	84	3/8	42	103	103	0 X 0	5/16	0	5210	1411	5110
342A	85	82	84	3/8	42	103	103	1/4 X13	1/4	0	1411	5210	1411
351A	85	82	84	3/8	42	103	103	1/4 X13	1/4	0	5210	1411	5210

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

PANEL NUMBER			FLOOR	SPANDREL PLATE				WELDMENTS			SEAT DETAIL		
				T4	FY4	SCL	SCR	NO 5	NO 6	NO 7	COL 1	COL 2	COL 3
309A	85	82	83	7/16	42	103	103	1/4 X12	1/4	0	5210	1411	5210
318A	85	82	83	7/16	42	103	103	1/4 X12	1/4	0	1411	5210	1411
327A	85	82	83	7/16	36	102	102	1/4 X10	1/4	0	5110	1411	5210
333A	85	82	83	7/16	36	103	103	0 X 0	5/16	0	5210	1411	5110
342A	85	82	83	7/16	42	103	103	1/4 X13	1/4	0	1411	5210	1411
351A	85	82	83	7/16	42	103	105	1/4 X14	1/4	0	5210	1411	5210

4-A1-387

SKILLING-HELLE-CHRISTIANSEN-ROBERTSON — **Civil & Structural Engineers**

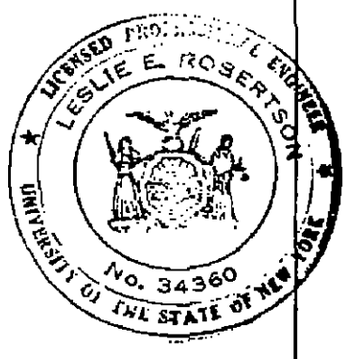
PROJECT: THE WORLD TRADE CENTER | TITLE: EXTERIOR WALL PANEL SCHEDULE | DATE: 12-5-67

REVISIONS

PANEL NUMBER			PANEL TYPE	COLUMN 1					COLUMN 2					COLUMN 3				
				TYPE	FY1	FY2	CSU	CSL	TYPE	FY1	FY2	CSU	CSL	TYPE	FY1	FY2	CSU	CSL
409A	85	82	300	120	90	90	431	431	120	90	90	431	431	120	90	90	431	431
418A	85	82	300	123	65	65	421	431	123	65	65	421	421	123	65	65	421	421
427A	85	82	300	122	65	65	421	421	122	65	65	421	421	122	70	70	421	421
433A	85	82	300	122	70	70	421	421	122	70	70	421	421	122	70	70	421	421
442A	85	82	300	123	70	70	421	421	123	70	70	421	421	123	70	70	421	421
451A	85	82	300	120	100	100	421	431	120	100	100	421	431	120	100	100	421	421

PANEL NUMBER			FLOOR	SPANDREL PLATE				WELDMENTS			SEAT DETAIL		
				T4	FY4	SCL	SCR	NO 5	NO 6	NO 7	COL 1	COL 2	COL 3
409A	85	82	85	3/8	60	103	103	1/4 X10	1/4	0	5010	5210	1212
418A	85	82	85	3/8	45	102	102	1/4 X 9	1/4	0	1611	5210	1111
427A	85	82	85	3/8	45	102	102	1/4 X 8	1/4	0	5110	1111	5210
433A	85	82	85	3/8	46	102	102	1/4 X 8	1/4	0	5210	1111	5110
442A	85	82	85	3/8	46	102	102	1/4 X 9	1/4	0	1111	5210	1611
451A	85	82	85	3/8	65	103	103	1/4 X10	1/4	0	1212	5210	5010

PANEL NUMBER			FLOOR	SPANDREL PLATE				WELDMENTS			SEAT DETAIL		
				T4	FY4	SCL	SCR	NO 5	NO 6	NO 7	COL 1	COL 2	COL 3
409A	85	82	84	3/8	65	103	103	1/4 X11	1/4	0	5010	5210	1212
418A	85	82	84	3/8	45	103	102	1/4 X10	1/4	0	1611	5210	1111
427A	85	82	84	3/8	45	102	102	1/4 X 8	1/4	0	5110	1111	5210
433A	85	82	84	3/8	50	102	102	1/4 X 8	1/4	0	5210	1111	5110
442A	85	82	84	3/8	50	102	102	1/4 X 9	1/4	0	1111	5210	1611
451A	85	82	84	3/8	65	103	103	1/4 X10	1/4	0	1212	5210	5010



PANEL NUMBER			FLOOR	SPANDREL PLATE				WELDMENTS			SEAT DETAIL		
				T4	FY4	SCL	SCR	NO 5	NO 6	NO 7	COL 1	COL 2	COL 3
409A	85	82	83	7/16	65	103	103	1/4 X11	1/4	0	5010	5210	1212
418A	85	82	83	7/16	45	103	102	1/4 X10	1/4	0	1611	5210	1111
427A	85	82	83	7/16	46	102	102	1/4 X 8	1/4	0	5110	1111	5210
433A	85	82	83	7/16	50	102	102	1/4 X 9	1/4	0	5210	1111	5110
2 442A	85	82	83	7/16	50	102	103	1/4 X 9	1/4	0	4120	5210	4510
451A	85	82	83	7/16	65	103	103	1/4 X11	1/4	0	1212	5210	5010

4-A1-368

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

PROJECT: THE WORLD TRADE CENTER | TITLE: EXTERIOR WALL PANEL SCHEDULE | DATE: 6-5-67

REVISIONS

PANEL NUMBER	PANEL TYPE	COLUMN 1 TYPE	COL 1 FY1	COL 1 FY2	COL 1 CSU	COL 1 CSL	COLUMN 2 TYPE	COL 2 FY1	COL 2 FY2	COL 2 CSU	COL 2 CSL	COLUMN 3 TYPE	COL 3 FY1	COL 3 FY2	COL 3 CSU	COL 3 CSL
100A 85 83	210	121	100	100	431	441	522	100	100	0	0	122	100	100	431	441
300A 85 83	210	121	100	100	431	441	522	100	100	0	0	122	90	90	431	441

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SPD FY4	SPD SCL	SPD SCR	WELDMENTS NO 5	WELD NO 6	WELD NO 7	SEAT DETAIL COL 1	SEAT COL 2	SEAT COL 3
100A 85 83	85	3/8	80	112	112	1/4 X16	1/4	0	5410	5010	1313
300A 85 83	85	3/8	80	112	112	1/4 X15	1/4	0	5410	5010	1313

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SPD FY4	SPD SCL	SPD SCR	WELDMENTS NO 5	WELD NO 6	WELD NO 7	SEAT DETAIL COL 1	SEAT COL 2	SEAT COL 3
100A 85 83	84	3/8	75	112	112	5/16X16	1/4	0	5410	5010	1313
300A 85 83	84	3/8	70	112	112	1/4 X16	1/4	0	5410	5010	1313

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

4-A1-389

WORTHINGTON, SKILLING, HELLE & JACKSON Civil & Structural Engineers

PROJECT THE WORLD TRADE CENTER | TITLE EXTERIOR WALL PANEL SCHEDULE | DATE 6-5-67

REVISIONS

PANEL NUMBER		PANEL TYPE	COLUMN 1					COLUMN 2					COLUMN 3				
			TYPE	FY1	FY2	CSU	CSL	TYPE	FY1	FY2	CSU	CSL	TYPE	FY1	FY2	CSU	CSL
106A	86 83	300	125	65	65	421	431	126	60	60	421	431	126	60	60	421	431
115A	86 83	300	128	55	55	421	431	128	55	55	421	431	128	55	55	421	431
124A	86 83	300	128	50	50	421	421	128	50	50	421	421	128	50	50	421	421
136A	86 83	300	128	50	50	421	431	128	55	55	421	431	128	55	55	421	431
145A	86 83	300	128	60	60	431	431	128	60	60	431	431	128	60	60	431	431
154A	86 83	300	126	65	65	431	431	126	65	65	431	431	125	70	70	431	431

PANEL NUMBER		FLOOR	SPANDREL PLATE				WELDMENTS			SEAT DETAIL		
			T4	FY4	SCL	SCR	NO 5	NO 6	NO 7	COL 1	COL 2	COL 3
106A	86 83	86	3/8	45	103	103	1/4 X11	1/4	0	1311	5110	1411
115A	86 83	86	3/8	36	103	103	1/4 X11	1/4	0	5110	1411	5110
124A	86 83	86	3/8	36	102	102	1/4 X10	1/4	0	1411	5110	1411
136A	86 83	86	3/8	36	103	103	1/4 X11	1/4	0	1411	5110	1411
145A	86 83	86	3/8	42	103	103	1/4 X12	1/4	0	5110	1411	5110
154A	86 83	86	3/8	46	103	103	1/4 X12	1/4	0	1411	5110	1311

PANEL NUMBER		FLOOR	SPANDREL PLATE				WELDMENTS			SEAT DETAIL		
			T4	FY4	SCL	SCR	NO 5	NO 6	NO 7	COL 1	COL 2	COL 3
106A	86 83	85	3/8	42	103	103	1/4 X11	1/4	0	1311	5110	1411
115A	86 83	85	3/8	36	103	103	1/4 X11	1/4	0	5110	1411	5110
124A	86 83	85	3/8	36	102	102	1/4 X10	1/4	0	1411	5110	1411
136A	86 83	85	3/8	36	103	103	1/4 X12	1/4	0	1411	5110	1411
145A	86 83	85	3/8	42	103	103	1/4 X13	1/4	0	5110	1411	5110
154A	86 83	85	3/8	45	103	103	1/4 X12	1/4	0	1411	5110	1311

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

PANEL NUMBER		FLOOR	SPANDREL PLATE				WELDMENTS			SEAT DETAIL		
			T4	FY4	SCL	SCR	NO 5	NO 6	NO 7	COL 1	COL 2	COL 3
106A	86 83	84	3/8	42	103	103	1/4 X12	1/4	0	1311	5110	1411
115A	86 83	84	3/8	36	103	103	1/4 X12	1/4	0	5110	1411	5110
124A	86 83	84	3/8	36	102	102	1/4 X10	1/4	0	1411	5110	1411
136A	86 83	84	3/8	36	103	103	1/4 X12	1/4	0	1411	5110	1411
145A	86 83	84	3/8	42	103	103	1/4 X13	1/4	0	5110	1411	5110
154A	86 83	84	3/8	45	103	103	1/4 X13	1/4	0	1411	5110	1311

4-A1-390

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

PROJECT: THE WORLD TRADE CENTER | TITLE: EXTERIOR WALL PANEL SCHEDULE | DATE: 6-5-67

REVISIONS

PANEL NUMBER	PANEL TYPE	COLUMN 1 TYPE	COL 1 FY1	COL 1 FY2	COL 1 CSU	COL 1 CSL	COLUMN 2 TYPE	COL 2 FY1	COL 2 FY2	COL 2 CSU	COL 2 CSL	COLUMN 3 TYPE	COL 3 FY1	COL 3 FY2	COL 3 CSU	COL 3 CSL
206A 86 83	300	120	100	100	431	431	120	100	100	431	431	120	100	100	431	431
215A 86 83	300	121	90	90	421	431	122	80	80	421	431	122	80	80	421	431
224A 86 83	300	122	75	75	421	421	122	75	75	421	421	122	75	75	421	421
236A 86 83	300	122	70	70	421	421	122	70	70	421	421	122	70	70	421	421
245A 86 83	300	122	70	70	421	421	122	75	75	421	421	121	85	85	421	421
254A 86 83	300	120	85	85	421	431	120	90	90	421	431	120	90	90	421	431

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	WD 6	WD 7	SEAT DETAIL COL 1	COL 2	COL 3
206A 86 83	86	3/8	65	103	103	1/4 X10	1/4	0	5110	1212	5110
215A 86 83	86	3/8	65	102	102	1/4 X10	1/4	0	1212	5510	5110
224A 86 83	86	3/8	55	102	102	1/4 X 8	1/4	0	1111	5110	1111
236A 86 83	86	3/8	50	102	102	1/4 X 8	1/4	0	1111	5110	1111
245A 86 83	86	3/8	60	102	102	1/4 X 9	1/4	0	5110	5310	1212
254A 86 83	86	3/8	60	102	102	1/4 X 9	1/4	0	5110	1212	5110

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	WD 6	WD 7	SEAT DETAIL COL 1	COL 2	COL 3
206A 86 83	85	3/8	65	103	103	1/4 X11	1/4	0	5110	1212	5110
215A 86 83	85	3/8	60	103	102	1/4 X10	1/4	0	1212	5510	5110
224A 86 83	85	3/8	50	102	102	1/4 X 9	1/4	0	1111	5110	1111
236A 86 83	85	3/8	45	102	102	1/4 X 8	1/4	0	1111	5110	1111
245A 86 83	85	3/8	55	102	102	1/4 X 9	1/4	0	5110	5310	1212
254A 86 83	85	3/8	60	103	103	1/4 X10	1/4	0	5110	1212	5110

LICENSED PROFESSIONAL ENGINEER LESLIE E. ROBERTS No. 34360 UNIVERSITY OF THE STATE OF N.Y.

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	WD 6	WD 7	SEAT DETAIL COL 1	COL 2	COL 3
206A 86 83	84	3/8	65	103	103	1/4 X11	1/4	0	5110	1212	5110
215A 86 83	84	3/8	60	103	103	1/4 X11	1/4	0	1212	5510	5110
224A 86 83	84	3/8	50	102	102	1/4 X 9	1/4	0	1111	5110	1111
236A 86 83	84	3/8	45	102	102	1/4 X 9	1/4	0	1111	5110	1111
245A 86 83	84	3/8	55	102	102	1/4 X10	1/4	0	5110	5310	1212
254A 86 83	84	3/8	60	103	103	1/4 X10	1/4	0	5110	1212	5110

4-A1-391

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

PROJECT: THE WORLD TRADE CENTER | TITLE: EXTERIOR WALL PANEL SCHEDULE | DATE: 6-5-67

REVISIONS

PANEL NUMBER	PANEL TYPE	COLUMN 1 TYPE	COL 1 FY1	COL 1 FY2	COL 1 CSU	COL 1 CSL	COLUMN 2 TYPE	COL 2 FY1	COL 2 FY2	COL 2 CSU	COL 2 CSL	COLUMN 3 TYPE	COL 3 FY1	COL 3 FY2	COL 3 CSU	COL 3 CSL
306A 86 83	300	125	65	65	421	431	126	60	60	421	431	126	60	60	421	431
315A 86 83	300	128	55	55	421	431	128	55	55	421	431	128	55	55	421	431
324A 86 83	300	128	55	55	421	421	128	55	55	421	421	128	55	55	421	421
336A 86 83	300	128	55	55	421	431	128	55	55	421	431	128	55	55	421	431
345A 86 83	300	128	60	60	431	431	128	60	60	431	431	128	60	60	431	431
354A 86 83	300	126	65	65	431	431	126	65	65	431	431	125	65	65	431	431

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
306A 86 83	86	3/8	42	103	103	1/4 X10	1/4	0	1311	5110	1411
315A 86 83	86	3/8	36	102	102	1/4 X10	1/4	0	5110	1411	5110
324A 86 83	86	3/8	36	102	102	1/4 X 9	1/4	0	1411	5110	1411
336A 86 83	86	3/8	36	102	103	1/4 X11	1/4	0	1411	5110	1411
345A 86 83	86	3/8	42	103	103	1/4 X12	1/4	0	5110	1411	5110
354A 86 83	86	3/8	45	103	103	1/4 X12	1/4	0	1411	5110	1311

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
306A 86 83	85	3/8	42	103	103	1/4 X11	1/4	0	1311	5110	1411
315A 86 83	85	3/8	42	103	103	1/4 X11	1/4	0	5110	1411	5110
324A 86 83	85	3/8	36	102	102	1/4 X10	1/4	0	1411	5110	1411
336A 86 83	85	3/8	42	103	103	1/4 X11	1/4	0	1411	5110	1411
345A 86 83	85	3/8	42	103	103	1/4 X13	1/4	0	5110	1411	5110
354A 86 83	85	3/8	45	103	103	1/4 X12	1/4	0	1411	5110	1311

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

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
306A 86 83	84	3/8	42	103	103	1/4 X11	1/4	0	1311	5110	1411
315A 86 83	84	3/8	36	103	103	1/4 X11	1/4	0	5110	1411	5110
324A 86 83	84	3/8	36	102	102	1/4 X10	1/4	0	1411	5110	1411
336A 86 83	84	3/8	42	103	103	1/4 X12	1/4	0	1411	5110	1411
345A 86 83	84	3/8	42	103	103	1/4 X13	1/4	0	5110	1411	5110
354A 86 83	84	3/8	45	103	103	1/4 X13	1/4	0	1411	5110	1311

4-A1-392

WORTHINGTON, SKILLING, HELLE & JACKSON Civil & Structural Engineers

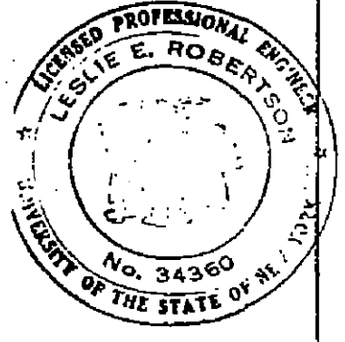
PROJECT: THE WORLD TRADE CENTER | TITLE: EXTERIOR WALL PANEL SCHEDULE | DATE: 6-5-67

REVISIONS

PANEL NUMBER			PANEL TYPE	COLUMN 1					COLUMN 2					COLUMN 3				
				TYPE	FY1	FY2	CSU	CSL	TYPE	FY1	FY2	CSU	CSL	TYPE	FY1	FY2	CSU	CSL
406A	86	83	300	120	90	90	431	431	120	90	90	431	431	120	90	90	431	431
415A	86	83	300	121	85	85	421	431	122	75	75	421	421	122	75	75	421	421
424A	86	83	300	122	70	70	421	421	122	70	70	421	421	122	70	70	421	421
436A	86	83	300	122	75	75	421	421	122	75	75	421	421	122	75	75	421	421
445A	86	83	300	122	75	75	421	421	122	80	80	421	421	121	90	90	421	421
454A	86	83	300	120	90	90	421	431	120	100	100	421	431	120	100	100	421	431

PANEL NUMBER			FLOOR	SPANDREL PLATE T4	SPANDREL PLATE FY4	SPANDREL PLATE SCL	SPANDREL PLATE SCR	WELDMENTS NO 5	WELDMENTS NO 6	WELDMENTS NO 7	SEAT DETAIL COL 1	SEAT DETAIL COL 2	SEAT DETAIL COL 3
406A	86	83	86	3/8	60	103	103	1/4 X10	1/4	0	5110	1212	5110
415A	86	83	86	3/8	60	102	102	1/4 X10	1/4	0	1212	5510	5110
424A	86	83	86	3/8	50	102	102	1/4 X 8	1/4	0	1111	5110	1111
436A	86	83	86	3/8	55	102	102	1/4 X 8	1/4	0	1111	5110	1111
445A	86	83	86	3/8	60	102	102	1/4 X 9	1/4	0	5110	5310	1212
454A	86	83	86	3/8	60	102	103	1/4 X10	1/4	0	5110	1212	5110

PANEL NUMBER			FLOOR	SPANDREL PLATE T4	SPANDREL PLATE FY4	SPANDREL PLATE SCL	SPANDREL PLATE SCR	WELDMENTS NO 5	WELDMENTS NO 6	WELDMENTS NO 7	SEAT DETAIL COL 1	SEAT DETAIL COL 2	SEAT DETAIL COL 3
406A	86	83	85	3/8	65	103	103	1/4 X11	1/4	0	5110	1212	5110
415A	86	83	85	3/8	55	103	102	1/4 X10	1/4	0	1212	5510	5110
424A	86	83	85	3/8	45	102	102	1/4 X 9	1/4	0	1111	5110	1111
436A	86	83	85	3/8	50	102	102	1/4 X 9	1/4	0	1111	5110	1111
445A	86	83	85	3/8	55	102	102	1/4 X10	1/4	0	5110	5310	1212
454A	86	83	85	3/8	65	103	103	1/4 X10	1/4	0	5110	1212	5110



PANEL NUMBER			FLOOR	SPANDREL PLATE T4	SPANDREL PLATE FY4	SPANDREL PLATE SCL	SPANDREL PLATE SCR	WELDMENTS NO 5	WELDMENTS NO 6	WELDMENTS NO 7	SEAT DETAIL COL 1	SEAT DETAIL COL 2	SEAT DETAIL COL 3
406A	86	83	84	3/8	65	103	103	1/4 X11	1/4	0	5110	1212	5110
415A	86	83	84	3/8	55	103	103	1/4 X11	1/4	0	1212	5510	5110
424A	86	83	84	3/8	45	102	102	1/4 X 9	1/4	0	1111	5110	1111
436A	86	83	84	3/8	50	102	102	1/4 X 9	1/4	0	1111	5110	1111
445A	86	83	84	3/8	60	102	103	1/4 X10	1/4	0	5110	5310	1212
454A	86	83	84	3/8	65	103	103	1/4 X10	1/4	0	5110	1212	5110

4-A1-393

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

PROJECT: THE WORLD TRADE CENTER | TITLE: EXTERIOR WALL PANEL SCHEDULE | DATE: 6-5-67

REVISIONS

PANEL NUMBER			PANEL TYPE	COLUMN 1					COLUMN 2					COLUMN 3				
				TYPE	FY1	FY2	CSU	CSL	TYPE	FY1	FY2	CSU	CSL	TYPE	FY1	FY2	CSU	CSL
200A	86	84	210	122	100	100	441	441	522	100	100	0	0	120	100	100	441	441
400A	86	84	210	122	100	100	441	441	522	100	100	0	0	120	100	100	431	441

PANEL NUMBER			FLOOR	SPANDREL PLATE				WELDMENTS			SEAT DETAIL		
				T4	FY4	SCL	SCR	NO 5	NO 6	NO 7	COL 1	COL 2	COL 3
200A	86	84	86	3/8	80	112	112	1/4 X15	1/4	0	1313	5010	5610
400A	86	84	86	3/8	80	112	112	1/4 X15	1/4	0	1313	5010	5610

PANEL NUMBER			FLOOR	SPANDREL PLATE				WELDMENTS			SEAT DETAIL		
				T4	FY4	SCL	SCR	NO 5	NO 6	NO 7	COL 1	COL 2	COL 3
200A	86	84	85	3/8	85	112	112	5/16X16	1/4	0	1313	5010	5610
400A	86	84	85	3/8	80	112	112	1/4 X16	1/4	0	1313	5010	5610

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

4-A1-394

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

PROJECT: THE WORLD TRADE CENTER | TITLE: EXTERIOR WALL PANEL SCHEDULE | DATE: 6-5-67

REVISIONS

PANEL NUMBER			PANEL TYPE	COLUMN 1 TYPE	COL 1 FY1	COL 1 FY2	COL 1 CSU	COL 1 CSL	COLUMN 2 TYPE	COL 2 FY1	COL 2 FY2	COL 2 CSU	COL 2 CSL	COLUMN 3 TYPE	COL 3 FY1	COL 3 FY2	COL 3 CSU	COL 3 CSL
103A	87	84	300	121	100	100	431	431	122	80	80	421	431	123	70	70	421	431
112A	87	84	300	127	55	55	421	431	127	55	55	421	431	127	55	55	421	431
121A	87	84	300	127	55	55	421	421	127	55	55	421	421	127	55	55	421	421
130A	87	84	300	128	50	50	421	421	128	50	50	421	421	128	50	50	421	421
139A	87	84	300	128	55	55	421	431	128	55	55	421	431	128	55	55	421	431
148A	87	84	300	127	60	60	431	431	127	60	60	431	431	127	60	60	431	431
157A	87	84	300	123	75	75	431	431	122	85	85	431	431	121	100	100	431	431

PANEL NUMBER			FLOOR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	WELD NO 6	WELD NO 7	SEAT DETAIL COL 1	SEAT COL 2	SEAT COL 3
103A	87	84	87	3/8	75	112	103	1/4 X12	1/4	0	5110	1311	5210
112A	87	84	87	3/8	42	103	102	1/4 X10	1/4	0	1511	5210	1411
121A	87	84	87	3/8	36	102	102	1/4 X 9	1/4	0	5210	1411	5210
130A	87	84	87	3/8	36	102	102	1/4 X 9	1/4	0	1411	5210	1411
139A	87	84	87	3/8	36	103	103	1/4 X11	1/4	0	5210	1411	5210
148A	87	84	87	3/8	42	103	103	1/4 X12	1/4	0	1411	5210	1511
157A	87	84	87	3/8	60	103	112	1/4 X13	1/4	0	5210	1311	5110

PANEL NUMBER			FLOOR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	WELD NO 6	WELD NO 7	SEAT DETAIL COL 1	SEAT COL 2	SEAT COL 3
103A	87	84	86	3/8	75	112	103	1/4 X12	1/4	0	5110	1311	5210
112A	87	84	86	3/8	36	103	103	1/4 X11	1/4	0	1511	5210	1411
121A	87	84	86	3/8	36	102	102	1/4 X10	1/4	0	5210	1411	5210
130A	87	84	86	3/8	36	102	102	1/4 X10	1/4	0	1411	5210	1411
139A	87	84	86	3/8	42	103	103	1/4 X12	1/4	0	5210	1411	5210
148A	87	84	86	3/8	42	103	103	1/4 X12	1/4	0	1411	5210	1511
157A	87	84	86	3/8	80	103	112	1/4 X13	1/4	0	5210	1311	5110

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

PANEL NUMBER			FLOOR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	WELD NO 6	WELD NO 7	SEAT DETAIL COL 1	SEAT COL 2	SEAT COL 3
103A	87	84	85	3/8	70	112	103	1/4 X13	1/4	0	5110	1311	5210
112A	87	84	85	3/8	42	103	103	1/4 X11	1/4	0	1511	5210	1411
121A	87	84	85	3/8	36	103	102	1/4 X10	1/4	0	5210	1411	5210
130A	87	84	85	3/8	36	102	102	1/4 X10	1/4	0	1411	5210	1411
139A	87	84	85	3/8	36	103	103	1/4 X12	1/4	0	5210	1411	5210
148A	87	84	85	3/8	42	103	103	1/4 X13	1/4	0	1411	5210	1511
157A	87	84	85	3/8	75	103	112	1/4 X14	1/4	0	5210	1311	5110

4-A1-395

WORTHINGTON, SKILLING, HELLE & JACKSON Civil & Structural Engineers

PROJECT: THE WORLD TRADE CENTER | TITLE: EXTERIOR WALL PANEL SCHEDULE | DATE: 6-5-67

REVISIONS

PANEL NUMBER		PANEL TYPE	COLUMN 1 TYPE	COL 1 FY1	COL 1 FY2	COL 1 CSU	COL 1 CSL	COLUMN 2 TYPE	COL 2 FY1	COL 2 FY2	COL 2 CSU	COL 2 CSL	COLUMN 3 TYPE	COL 3 FY1	COL 3 FY2	COL 3 CSU	COL 3 CSL
203A	87 84	300	120	100	100	431	431	120	100	100	431	431	120	100	100	431	431
212A	87 84	300	120	90	90	421	431	120	100	100	421	431	120	100	100	421	431
221A	87 84	300	123	70	70	421	421	122	75	75	421	421	122	75	75	421	421
230A	87 84	300	122	70	70	411	421	122	70	70	411	421	122	70	70	411	421
239A	87 84	300	122	70	70	421	421	122	65	65	421	421	123	65	65	421	421
248A	87 84	300	120	85	85	421	421	120	65	85	421	421	120	85	85	421	421
257A	87 84	300	120	65	85	421	431	120	85	85	421	431	120	100	100	431	431

PANEL NUMBER		FLOOR	SPANDREL PLATE T4	SP PL FY4	SP PL SCL	SP PL SCR	WELDMENTS NO 5	WELDMENTS NO 6	WELDMENTS NO 7	SEAT DETAIL COL 1	SEAT DETAIL COL 2	SEAT DETAIL COL 3
203A	87 84	87	3/8	75	112	103	1/4 X12	1/4	0	1013	5210	5010
212A	87 84	87	3/8	60	102	102	1/4 X 9	1/4	0	5210	5010	5210
221A	87 84	87	3/8	55	102	102	1/4 X 9	1/4	0	5210	1111	5210
230A	87 84	87	3/8	50	102	102	0 X 0	1/4	0	1111	5210	1111
239A	87 84	87	3/8	46	102	102	1/4 X 8	1/4	0	5210	1111	5210
248A	87 84	87	3/8	55	102	102	1/4 X 8	1/4	0	5210	5010	5210
257A	87 84	87	3/8	70	102	112	1/4 X10	1/4	0	5010	5210	1013

PANEL NUMBER		FLOOR	SPANDREL PLATE T4	SP PL FY4	SP PL SCL	SP PL SCR	WELDMENTS NO 5	WELDMENTS NO 6	WELDMENTS NO 7	SEAT DETAIL COL 1	SEAT DETAIL COL 2	SEAT DETAIL COL 3
203A	87 84	86	3/8	80	112	103	1/4 X12	1/4	0	1013	5210	5010
212A	87 84	86	3/8	65	103	102	1/4 X10	1/4	0	5210	5010	5210
~~221A~~	~~87 84~~	~~86~~	~~3/8~~	~~50~~	~~102~~	~~102~~	~~1/4 X 9~~	~~1/4~~	~~0~~	~~5210~~	~~1111~~	~~5210~~
230A	87 84	86	3/8	50	102	102	1/4 X 7	1/4	0	1111	5210	1111
239A	87 84	86	3/8	45	102	102	1/4 X 8	1/4	0	5210	1111	5210
248A	87 84	86	3/8	60	102	102	1/4 X 9	1/4	0	5210	5010	5210
257A	87 84	86	3/8	75	102	112	1/4 X11	1/4	0	5010	5210	1013

PANEL NUMBER		FLOOR	SPANDREL PLATE T4	SP PL FY4	SP PL SCL	SP PL SCR	WELDMENTS NO 5	WELDMENTS NO 6	WELDMENTS NO 7	SEAT DETAIL COL 1	SEAT DETAIL COL 2	SEAT DETAIL COL 3
203A	87 84	85	3/8	80	112	103	1/4 X13	1/4	0	1013	5210	5010
212A	87 84	85	3/8	65	103	103	1/4 X10	1/4	0	5210	5010	5210
221A	87 84	85	3/8	50	102	102	1/4 X10	1/4	0	5210	1111	5210
230A	87 84	85	3/8	45	102	102	1/4 X 7	1/4	0	1111	5210	1111
239A	87 84	85	3/8	45	102	102	1/4 X 9	1/4	0	5210	1111	5210
248A	87 84	85	3/8	60	102	102	1/4 X 9	1/4	0	5210	5010	5210
257A	87 84	85	3/8	75	103	112	1/4 X11	1/4	0	5010	5210	1013

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

4-A1-396

WORTHINGTON, SKILLING, HELLE & JACKSON Civil & Structural Engineers

PROJECT: THE WORLD TRADE CENTER | TITLE: EXTERIOR WALL PANEL SCHEDULE | DATE: 6-5-67

REVISIONS

PANEL NUMBER			PANEL TYPE	COLUMN 1 TYPE	COL 1 FY1	COL 1 FY2	COL 1 CSU	COL 1 CSL	COLUMN 2 TYPE	COL 2 FY1	COL 2 FY2	COL 2 CSU	COL 2 CSL	COLUMN 3 TYPE	COL 3 FY1	COL 3 FY2	COL 3 CSU	COL 3 CSL
303A	87	84	300	121	100	100	431	431	122	75	75	421	431	123	70	70	421	431
312A	87	84	300	127	55	55	421	431	127	55	55	421	431	127	55	55	421	431
321A	87	84	300	127	55	55	421	421	127	55	55	421	421	127	55	55	421	421
330A	87	84	300	128	55	55	421	421	128	55	55	421	421	128	55	55	421	421
339A	87	84	300	128	55	55	421	431	128	60	60	421	431	128	60	60	421	431
348A	87	84	300	127	60	60	431	431	127	60	60	431	431	127	60	60	431	431
357A	87	84	300	128	70	70	431	431	122	80	80	431	431	121	100	100	431	431

PANEL NUMBER			FLOOR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	WELD NO 6	WELD NO 7	SEAT DETAIL COL 1	SEAT COL 2	SEAT COL 3
303A	87	84	87	3/8	75	112	102	1/4 X11	1/4	0	5110	1311	5210
312A	87	84	87	3/8	42	102	102	1/4 X10	1/4	0	1511	5210	1411
321A	87	84	87	3/8	42	102	102	1/4 X 9	1/4	0	5210	1411	5210
330A	87	84	87	3/8	36	102	102	1/4 X 9	1/4	0	1411	5210	1411
339A	87	84	87	3/8	42	102	103	1/4 X11	1/4	0	5210	1411	5210
348A	87	84	87	3/8	42	103	103	1/4 X12	1/4	0	1411	5210	1511
357A	87	84	87	3/8	80	103	112	1/4 X13	1/4	0	5210	1311	5110

PANEL NUMBER			FLOOR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	WELD NO 6	WELD NO 7	SEAT DETAIL COL 1	SEAT COL 2	SEAT COL 3
303A	87	84	86	3/8	75	112	103	1/4 X12	1/4	0	5110	1311	5210
312A	87	84	86	3/8	36	103	102	1/4 X11	1/4	0	1511	5210	1411
321A	87	84	86	3/8	36	102	102	1/4 X10	1/4	0	5210	1411	5210
330A	87	84	86	3/8	42	102	102	1/4 X10	1/4	0	1411	5210	1411
339A	87	84	86	3/8	42	103	103	1/4 X12	1/4	0	5210	1411	5210
348A	87	84	86	3/8	42	103	103	1/4 X12	1/4	0	1411	5210	1511
357A	87	84	86	3/8	80	103	112	1/4 X13	1/4	0	5210	1311	5110

PANEL NUMBER			FLOOR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	WELD NO 6	WELD NO 7	SEAT DETAIL COL 1	SEAT COL 2	SEAT COL 3
303A	87	84	85	3/8	65	112	103	1/4 X12	1/4	0	5110	1311	5210
312A	87	84	85	3/8	42	103	103	1/4 X11	1/4	0	1511	5210	1411
321A	87	84	85	3/8	36	102	102	1/4 X10	1/4	0	5210	1411	5210
330A	87	84	85	3/8	36	102	102	1/4 X10	1/4	0	1411	5210	1411
339A	87	84	85	3/8	42	103	103	1/4 X12	1/4	0	5210	1411	5210
348A	87	84	85	3/8	42	103	103	1/4 X13	1/4	0	1411	5210	1511
357A	87	84	85	3/8	70	103	112	1/4 X14	1/4	0	5210	1311	5110

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

4-A1-397

WORTHINGTON, SKILLING, HELLE & JACKSON Civil & Structural Engineers

PROJECT THE WORLD TRADE CENTER | TITLE EXTERIOR WALL PANEL SCHEDULE | DATE 6-5-67

REVISIONS

PANEL NUMBER			PANEL TYPE	COLUMN 1					COLUMN 2					COLUMN 3				
				TYPE	FY1	FY2	CSU	CSL	TYPE	FY1	FY2	CSU	CSL	TYPE	FY1	FY2	CSU	CSL
403A	87	84	300	120	100	100	431	431	120	90	90	421	431	120	90	90	421	431
412A	87	84	300	120	85	85	421	431	120	90	90	421	431	120	90	90	421	431
421A	87	84	300	123	65	65	421	421	122	65	65	421	421	122	70	70	421	421
430A	87	84	300	122	70	70	411	421	122	70	70	411	421	122	70	70	411	421
439A	87	84	300	122	75	75	421	421	122	75	75	421	421	123	70	70	421	421
448A	87	84	300	120	90	90	421	421	120	90	90	421	421	120	90	90	421	421
457A	87	84	300	120	90	90	421	431	120	90	90	421	431	120	100	100	431	431

PANEL NUMBER			FLOOR	SPANDREL PLATE				WELDMENTS			SEAT DETAIL		
				T4	FY4	SCL	SCR	NO 5	NO 6	NO 7	COL 1	COL 2	COL 3
403A	87	84	87	3/8	75	112	103	1/4 X11	1/4	0	1013	5210	5010
412A	87	84	87	3/8	60	102	102	1/4 X 9	1/4	0	5210	5010	5210
421A	87	84	87	3/8	50	102	102	1/4 X 9	1/4	0	5210	1111	5210
430A	87	84	87	3/8	50	102	102	1/4 X 7	1/4	0	1111	5210	1111
439A	87	84	87	3/8	55	102	102	1/4 X 9	1/4	0	5210	1111	5210
448A	87	84	87	3/8	60	102	102	1/4 X 9	1/4	0	5210	5010	5210
457A	87	84	87	3/8	75	102	112	1/4 X11	1/4	0	5010	5210	1013

PANEL NUMBER			FLOOR	SPANDREL PLATE				WELDMENTS			SEAT DETAIL		
				T4	FY4	SCL	SCR	NO 5	NO 6	NO 7	COL 1	COL 2	COL 3
403A	87	84	86	3/8	75	112	103	1/4 X12	1/4	0	1013	5210	5010
412A	87	84	86	3/8	60	103	102	1/4 X 9	1/4	0	5210	5010	5210
421A	87	84	86	3/8	45	102	102	1/4 X 9	1/4	0	5210	1111	5210
430A	87	84	86	3/8	50	102	102	1/4 X 7	1/4	0	1111	5210	1111
439A	87	84	86	3/8	50	102	102	1/4 X 9	1/4	0	5210	1111	5210
448A	87	84	86	3/8	60	102	102	1/4 X 9	1/4	0	5210	5010	5210
457A	87	84	86	3/8	75	103	112	1/4 X11	1/4	0	5010	5210	1013

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

PANEL NUMBER			FLOOR	SPANDREL PLATE				WELDMENTS			SEAT DETAIL		
				T4	FY4	SCL	SCR	NO 5	NO 6	NO 7	COL 1	COL 2	COL 3
403A	87	84	85	3/8	80	112	103	1/4 X13	1/4	0	1013	5210	5010
412A	87	84	85	3/8	60	103	103	1/4 X10	1/4	0	5210	5010	5210
421A	87	84	85	3/8	45	102	102	1/4 X 9	1/4	0	5210	1111	5210
430A	87	84	85	3/8	45	102	102	1/4 X 8	1/4	0	1111	5210	1111
439A	87	84	85	3/8	50	102	102	1/4 X 9	1/4	0	5210	1111	5210
448A	87	84	85	3/8	65	102	103	1/4 X10	1/4	0	5210	5010	5210
457A	87	84	85	3/8	80	103	112	1/4 X12	1/4	0	5010	5210	1013

4-A1-398

WORTHINGTON, SKILLING, HELLE & JACKSON Civil & Structural Engineers

PROJECT: THE WORLD TRADE CENTER | TITLE: EXTERIOR WALL PANEL SCHEDULE | DATE: 6-5-67

REVISIONS

PANEL NUMBER			PANEL TYPE	COLUMN 1					COLUMN 2					COLUMN 3				
				TYPE	FY1	FY2	CSU	CSL	TYPE	FY1	FY2	CSU	CSL	TYPE	FY1	FY2	CSU	CSL
100A	87	85	210	120	100	100	431	431	522	100	100	0	0	122	100	100	431	431
300A	87	85	210	120	100	100	431	431	522	100	100	0	0	122	100	100	431	431

PANEL NUMBER			FLOOR	SPANDREL PLATE				WELDMENTS			SEAT DETAIL		
				T4	FY4	SCL	SCR	NO 5	NO 6	NO 7	COL 1	COL 2	COL 3
100A	87	85	87	3/8	75	112	112	1/4 X13	1/4	0	5410	5010	1313
300A	87	85	87	3/8	75	112	112	1/4 X13	1/4	0	5410	5010	1313

PANEL NUMBER			FLOOR	SPANDREL PLATE				WELDMENTS			SEAT DETAIL		
				T4	FY4	SCL	SCR	NO 5	NO 6	NO 7	COL 1	COL 2	COL 3
100A	87	85	86	3/8	80	112	112	1/4 X14	1/4	0	5410	5010	1313
300A	87	85	86	3/8	75	112	112	1/4 X13	1/4	0	5410	5010	1313

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

4-A1-399

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

PROJECT: THE WORLD TRADE CENTER | TITLE: EXTERIOR WALL PANEL SCHEDULE | DATE: 6-5-67

REVISIONS

PANEL NUMBER	PANEL TYPE	COLUMN 1 TYPE	COL 1 FY1	COL 1 FY2	COL 1 CSU	COL 1 CSL	COLUMN 2 TYPE	COL 2 FY1	COL 2 FY2	COL 2 CSU	COL 2 CSL	COLUMN 3 TYPE	COL 3 FY1	COL 3 FY2	COL 3 CSU	COL 3 CSL
109A 88 85	300	126	60	60	421	431	126	60	60	421	431	127	55	55	421	431
118A 88 85	300	127	55	55	421	421	127	55	55	421	421	127	55	55	421	421
127A 88 85	300	127	50	50	421	421	127	50	50	421	421	127	50	50	421	421
133A 88 85	300	128	50	50	421	421	128	55	55	421	421	128	55	55	421	421
142A 88 85	300	127	55	55	421	431	127	60	60	421	431	127	60	60	421	431
151A 88 85	300	127	60	60	431	431	126	60	60	431	431	126	65	65	431	431

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SPD FY4	SPD SCL	SPD SCR	WELDMENTS NO 5	WELD NO 6	WELD NO 7	SEAT DETAIL COL 1	SEAT COL 2	SEAT COL 3
109A 88 85	88	3/8	42	102	102	1/4 X10	1/4	0	5210	1411	5210
118A 88 85	88	3/8	36	102	102	1/4 X 9	1/4	0	1411	5210	1411
127A 88 85	88	3/8	36	102	102	1/4 X 8	1/4	0	5110	1411	5210
133A 88 85	88	3/8	36	102	102	1/4 X10	1/4	0	5210	1411	5110
142A 88 85	88	3/8	42	103	103	1/4 X11	1/4	0	1411	5210	1411
151A 88 85	88	3/8	42	103	105	1/4 X11	1/4	0	5210	1411	5210

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SPD FY4	SPD SCL	SPD SCR	WELDMENTS NO 5	WELD NO 6	WELD NO 7	SEAT DETAIL COL 1	SEAT COL 2	SEAT COL 3
109A 88 85	87	3/8	42	103	103	1/4 X10	1/4	0	5210	1411	5210
118A 88 85	87	3/8	36	102	102	1/4 X10	1/4	0	1411	5210	1411
127A 88 85	87	3/8	36	102	102	1/4 X 8	1/4	0	5110	1411	5210
133A 88 85	87	3/8	36	102	102	1/4 X10	1/4	0	5210	1411	5110
142A 88 85	87	3/8	42	103	103	1/4 X11	1/4	0	1411	5210	1411
151A 88 85	87	3/8	42	103	103	1/4 X12	1/4	0	5210	1411	5210

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

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SPD FY4	SPD SCL	SPD SCR	WELDMENTS NO 5	WELD NO 6	WELD NO 7	SEAT DETAIL COL 1	SEAT COL 2	SEAT COL 3
109A 88 85	86	3/8	42	103	103	1/4 X11	1/4	0	5210	1411	5210
118A 88 85	86	3/8	36	103	102	1/4 X10	1/4	0	1411	5210	1411
127A 88 85	86	3/8	36	102	102	1/4 X 9	1/4	0	5110	1411	5210
133A 88 85	86	3/8	36	102	103	1/4 X11	1/4	0	5210	1411	5110
142A 88 85	86	3/8	42	103	103	1/4 X12	1/4	0	1411	5210	1411
151A 88 85	86	3/8	42	103	103	1/4 X12	1/4	0	5210	1411	5210

4-A1-400

WORTHINGTON, SKILLING, HELLE & JACKSON Civil & Structural Engineers

PROJECT: THE WORLD TRADE CENTER | TITLE: EXTERIOR WALL PANEL SCHEDULE | DATE: 6-5-67

VISIONS

PANEL NUMBER	PANEL TYPE	COLUMN 1 TYPE	COL 1 FY1	COL 1 FY2	COL 1 CSU	COL 1 CSL	COLUMN 2 TYPE	COL 2 FY1	COL 2 FY2	COL 2 CSU	COL 2 CSL	COLUMN 3 TYPE	COL 3 FY1	COL 3 FY2	COL 3 CSU	COL 3 CSL
209A 88 85	300	120	90	90	421	431	120	90	90	421	431	120	90	90	421	431
218A 88 85	300	122	75	75	421	421	122	75	75	421	421	122	75	75	421	421
227A 88 85	300	121	75	75	411	421	121	75	75	411	421	121	75	75	411	421
233A 88 85	300	121	70	70	411	421	121	70	70	411	421	121	70	70	411	421
242A 88 85	300	122	65	65	421	421	122	65	65	421	421	122	70	70	421	421
251A 88 85	300	120	80	80	421	421	120	85	85	421	421	120	85	85	421	421

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
209A 88 85	88	3/8	60	102	102	1/4 X 9	1/4	0	5010	5210	1212
218A 88 85	88	3/8	50	102	102	1/4 X 9	1/4	0	1611	5210	1111
227A 88 85	88	3/8	50	102	102	0 X 0	1/4	0	5110	1111	5210
233A 88 85	88	3/8	45	102	102	0 X 0	1/4	0	5210	1111	5110
242A 88 85	88	3/8	45	102	102	1/4 X 8	1/4	0	1111	5210	1611
251A 88 85	88	3/8	55	102	102	1/4 X 8	1/4	0	1212	5210	5010

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
209A 88 85	87	3/8	60	103	102	1/4 X10	1/4	0	5010	5210	1212
~~218A 88 85~~	~~87~~	~~3/8~~	~~50~~	~~102~~	~~102~~	~~1/4 X 9~~	~~1/4~~	~~0~~	~~1611~~	~~5210~~	~~1111~~
227A 88 85	87	3/8	50	102	102	1/4 X 7	1/4	0	5110	1111	5210
233A 88 85	87	3/8	46	102	102	0 X 0	1/4	0	5210	1111	5110
242A 88 85	87	3/8	45	102	102	1/4 X 9	1/4	0	1111	5210	1611
251A 88 85	87	3/8	55	102	102	1/4 X 9	1/4	0	1212	5210	5010

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

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
209A 88 85	86	3/8	65	103	103	1/4 X10	1/4	0	5010	5210	1212
218A 88 85	86	3/8	50	102	102	1/4 X10	1/4	0	1611	5210	1111
227A 88 85	86	3/8	50	102	102	1/4 X 7	1/4	0	5110	1111	5210
233A 88 85	86	3/8	50	102	102	1/4 X 7	1/4	0	5210	1111	5110
242A 88 85	86	3/8	46	102	102	1/4 X 9	1/4	0	1111	5210	1611
251A 88 85	86	3/8	60	102	102	1/4 X 9	1/4	0	1212	5210	5010

4-A1-401

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

PROJECT: THE WORLD TRADE CENTER | TITLE: EXTERIOR WALL PANEL SCHEDULE | DATE: 6-5-67

REVISIONS

PANEL NUMBER	PANEL TYPE	COLUMN 1					COLUMN 2					COLUMN 3				
		TYPE	FY1	FY2	CSU	CSL	TYPE	FY1	FY2	CSU	CSL	TYPE	FY1	FY2	CSU	CSL
309A 88 85	300	126	60	60	421	431	126	60	60	421	421	127	55	55	421	421
318A 88 85	300	127	55	55	421	421	127	55	55	421	421	127	55	55	421	421
327A 88 85	300	127	55	55	421	421	127	55	55	421	421	127	55	55	421	421
333A 88 85	300	128	55	55	421	421	128	55	55	421	421	128	55	55	421	421
342A 88 85	300	127	60	60	421	431	127	60	60	421	431	127	60	60	421	431
351A 88 85	300	127	60	60	431	431	126	60	60	431	431	126	60	60	431	431

PANEL NUMBER	FLOOR	SPANDREL PLATE				WELDMENTS			SEAT DETAIL		
		T4	FY4	SCL	SCR	NO 5	NO 6	NO 7	COL 1	COL 2	COL 3
309A 88 85	88	3/8	42	102	102	1/4 X 9	1/4	0	5210	1411	5210
318A 88 85	88	3/8	36	102	102	1/4 X 9	1/4	0	1411	5210	1411
327A 88 85	88	3/8	36	102	102	1/4 X 8	1/4	0	5110	1411	5210
333A 88 85	88	3/8	42	102	102	1/4 X10	1/4	0	5210	1411	5110
342A 88 85	88	3/8	42	103	103	1/4 X11	1/4	0	1411	5210	1411
351A 88 85	88	3/8	42	103	103	1/4 X11	1/4	0	5210	1411	5210

PANEL NUMBER	FLOOR	SPANDREL PLATE				WELDMENTS			SEAT DETAIL		
		T4	FY4	SCL	SCR	NO 5	NO 6	NO 7	COL 1	COL 2	COL 3
309A 88 85	87	3/8	42	102	102	1/4 X10	1/4	0	5210	1411	5210
~~318A 88 85~~	~~87~~	~~3/8~~	~~42~~	~~102~~	~~102~~	~~1/4 X10~~	~~1/4~~	~~0~~	~~1411~~	~~5210~~	~~1411~~
327A 88 85	87	3/8	42	102	102	1/4 X 8	1/4	0	5110	1411	5210
333A 88 85	87	3/8	42	102	102	1/4 X10	1/4	0	5210	1411	5110
342A 88 85	87	3/8	42	103	103	1/4 X11	1/4	0	1411	5210	1411
351A 88 85	87	3/8	42	103	103	1/4 X11	1/4	0	5210	1411	5210

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

PANEL NUMBER	FLOOR	SPANDREL PLATE				WELDMENTS			SEAT DETAIL		
		T4	FY4	SCL	SCR	NO 5	NO 6	NO 7	COL 1	COL 2	COL 3
309A 88 85	86	3/8	42	103	103	1/4 X10	1/4	0	5210	1411	5210
318A 88 85	86	3/8	36	102	102	1/4 X10	1/4	0	1411	5210	1411
327A 88 85	86	3/8	36	102	102	1/4 X 9	1/4	0	5110	1411	5210
333A 88 85	86	3/8	36	102	102	1/4 X10	1/4	0	5210	1411	5110
342A 88 85	86	3/8	42	103	103	1/4 X12	1/4	0	1411	5210	1411
351A 88 85	86	3/8	42	103	103	1/4 X12	1/4	0	5210	1411	5210

4-A1-402

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

PROJECT: THE WORLD TRADE CENTER | TITLE: EXTERIOR WALL PANEL SCHEDULE | DATE: 6-5-67

REVISIONS

PANEL NUMBER	PANEL TYPE	COLUMN 1 TYPE	COL 1 FY1	COL 1 FY2	COL 1 CSU	COL 1 CSL	COLUMN 2 TYPE	COL 2 FY1	COL 2 FY2	COL 2 CSU	COL 2 CSL	COLUMN 3 TYPE	COL 3 FY1	COL 3 FY2	COL 3 CSU	COL 3 CSL
409A 88 85	300	120	85	85	421	431	120	85	85	421	431	120	85	85	421	431
418A 88 85	300	122	70	70	421	421	122	70	70	421	421	122	65	65	421	421
427A 88 85	300	121	70	70	411	421	121	70	70	411	421	121	70	70	411	421
433A 88 85	300	121	75	75	411	421	121	75	75	411	421	121	75	75	411	421
442A 88 85	300	122	70	70	421	421	122	75	75	421	421	122	75	75	421	421
451A 88 85	300	120	85	85	421	421	120	85	85	421	421	120	90	90	421	421

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
409A 88 85	88	3/8	60	102	102	1/4 X 9	1/4	0	5010	5210	1212
418A 88 85	88	3/8	45	102	102	1/4 X 9	1/4	0	1611	5210	1111
427A 88 85	88	3/8	45	102	102	0 X 0	1/4	0	5110	1111	5210
433A 88 85	88	3/8	50	102	102	1/4 X 7	1/4	0	5210	1111	5110
442A 88 85	88	3/8	50	102	102	1/4 X 9	1/4	0	1111	5210	1611
451A 88 85	88	3/8	60	102	102	1/4 X 9	1/4	0	1212	5210	5010

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
409A 88 85	87	3/8	60	103	102	1/4 X 9	1/4	0	5010	5210	1212
~~418A 88 85~~	~~87~~	~~3/8~~	~~45~~	~~102~~	~~102~~	~~1/4 X 9~~	~~1/4~~	~~0~~	~~1611~~	~~5210~~	~~1111~~
427A 88 85	87	3/8	46	102	102	1/4 X 7	1/4	0	5110	1111	5210
433A 88 85	87	3/8	50	102	102	1/4 X 7	1/4	0	5210	1111	5110
442A 88 85	87	3/8	50	102	102	1/4 X 9	1/4	0	1111	5210	1611
451A 88 85	87	3/8	60	102	102	1/4 X 9	1/4	0	1212	5210	5010

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

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
409A 88 85	86	3/8	60	103	103	1/4 X10	1/4	0	5010	5210	1212
418A 88 85	86	3/8	46	102	102	1/4 X10	1/4	0	1611	5210	1111
427A 88 85	86	3/8	50	102	102	1/4 X 7	1/4	0	5110	1111	5210
433A 88 85	86	3/8	50	102	102	1/4 X 7	1/4	0	5210	1111	5110
442A 88 85	86	3/8	50	102	102	1/4 X 9	1/4	0	1111	5210	1611
451A 88 85	86	3/8	60	102	102	1/4 X 9	1/4	0	1212	5210	5010

4-A1-403

WORTHINGTON, SKILLING, HELLE & JACKSON Civil & Structural Engineers

PROJECT: THE WORLD TRADE CENTER | TITLE: EXTERIOR WALL PANEL SCHEDULE | DATE: 6-5-67

REVISIONS

PANEL NUMBER	PANEL TYPE	COLUMN 1 TYPE	COL 1 FY1	COL 1 FY2	COL 1 CSU	COL 1 CSL	COLUMN 2 TYPE	COL 2 FY1	COL 2 FY2	COL 2 CSU	COL 2 CSL	COLUMN 3 TYPE	COL 3 FY1	COL 3 FY2	COL 3 CSU	COL 3 CSL
200A 88 86	210	121	100	100	431	441	521	100	100	0	0	120	100	100	431	441
400A 88 86	210	121	100	100	431	441	521	100	100	0	0	120	100	100	431	431

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SPD FY4	SPD SCL	SPD SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
200A 88 86	88	3/8	80	112	112	1/4 X14	1/4	0	1313	5010	5610
400A 88 86	88	3/8	75	112	112	1/4 X14	1/4	0	1313	5010	5610

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SPD FY4	SPD SCL	SPD SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
200A 88 86	87	3/8	80	112	112	1/4 X15	1/4	0	1313	5010	5610
~~400A 88 86~~	~~87~~	~~3/8~~	~~80~~	~~112~~	~~112~~	~~1/4 X14~~	~~1/4~~	~~0~~	1313	5010	5610

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

4-A1-404

WORTHINGTON, SKILLING, HELLE & JACKSON Civil & Structural Engineers

PROJECT THE WORLD TRADE CENTER | TITLE EXTERIOR WALL PANEL SCHEDULE | DATE 6-5-67

REVISIONS

PANEL NUMBER	PANEL TYPE	COLUMN 1 TYPE	COL 1 FY1	COL 1 FY2	COL 1 CSU	COL 1 CSL	COLUMN 2 TYPE	COL 2 FY1	COL 2 FY2	COL 2 CSU	COL 2 CSL	COLUMN 3 TYPE	COL 3 FY1	COL 3 FY2	COL 3 CSU	COL 3 CSL
106A 89 86	300	124	65	65	421	421	124	65	65	421	421	125	60	60	421	421
115A 89 86	300	126	55	55	421	421	126	55	55	421	421	126	55	55	421	421
124A 89 86	300	126	55	55	421	421	126	55	55	421	421	126	55	55	421	421
136A 89 86	300	127	55	55	421	421	127	55	55	421	421	127	55	55	421	421
145A 89 86	300	126	60	60	421	431	126	60	60	421	431	126	60	60	421	431
154A 89 86	300	125	65	65	421	431	124	65	65	421	431	124	70	70	421	431

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	WELD NO 6	WELD NO 7	SEAT DETAIL COL 1	SEAT COL 2	SEAT COL 3
106A 89 86	89	3/8	45	102	102	1/4 X 9	1/4	0	1311	5110	1411
115A 89 86	89	3/8	42	102	102	1/4 X 9	1/4	0	5110	1411	5110
124A 89 86	89	3/8	36	102	102	1/4 X 8	1/4	0	1411	5110	1411
136A 89 86	89	3/8	36	102	102	1/4 X10	1/4	0	1411	5110	1411
145A 89 86	89	3/8	42	102	103	1/4 X10	1/4	0	5110	1411	5110
154A 89 86	89	3/8	46	103	103	1/4 X10	1/4	0	1411	5110	1311

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	WELD NO 6	WELD NO 7	SEAT DETAIL COL 1	SEAT COL 2	SEAT COL 3
106A 89 86	88	3/8	42	102	102	1/4 X10	1/4	0	1311	5110	1411
115A 89 86	88	3/8	36	102	102	1/4 X10	1/4	0	5110	1411	5110
124A 89 86	88	3/8	36	102	102	1/4 X 8	1/4	0	1411	5110	1411
136A 89 86	88	3/8	42	102	102	1/4 X10	1/4	0	1411	5110	1411
145A 89 86	88	3/8	42	103	103	1/4 X11	1/4	0	5110	1411	5110
154A 89 86	88	3/8	45	103	103	1/4 X10	1/4	0	1411	5110	1311

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	WELD NO 6	WELD NO 7	SEAT DETAIL COL 1	SEAT COL 2	SEAT COL 3
106A 89 86	87	3/8	42	103	103	1/4 X10	1/4	0	1311	5110	1411
115A 89 86	87	3/8	42	102	102	1/4 X10	1/4	0	5110	1411	5110
124A 89 86	87	3/8	36	102	102	1/4 X 9	1/4	0	1411	5110	1411
136A 89 86	87	3/8	36	102	103	1/4 X11	1/4	0	1411	5110	1411
145A 89 86	87	3/8	42	103	103	1/4 X11	1/4	0	5110	1411	5110
154A 89 86	87	3/8	45	103	103	1/4 X11	1/4	0	1411	5110	1311

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

4-A1-405

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

PROJECT: THE WORLD TRADE CENTER | TITLE: EXTERIOR WALL PANEL SCHEDULE | DATE: 6-5-67

REVISIONS

PANEL NUMBER	PANEL TYPE	COLUMN 1 TYPE	COL 1 FY1	COL 1 FY2	COL 1 CSU	COL 1 CSL	COLUMN 2 TYPE	COL 2 FY1	COL 2 FY2	COL 2 CSU	COL 2 CSL	COLUMN 3 TYPE	COL 3 FY1	COL 3 FY2	COL 3 CSU	COL 3 CSL
206A 89 86	300	120	90	90	421	431	120	90	90	421	431	120	90	90	421	431
215A 89 86	300	120	90	90	421	421	121	85	85	421	421	122	80	80	421	421
224A 89 86	300	121	80	80	421	421	121	80	80	411	421	121	80	80	411	421
236A 89 86	300	121	70	70	411	421	121	75	75	411	421	121	75	75	411	421
245A 89 86	300	122	70	70	421	421	121	80	80	421	421	120	80	80	421	421
254A 89 86	300	120	80	80	421	421	120	80	80	421	421	120	80	80	421	421

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	FY4	SCL	SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
206A 89 86	89	3/8	60	102	102	1/4 X 9	1/4	0	5110	1212	5110
215A 89 86	89	3/8	60	102	102	1/4 X 8	1/4	0	1212	5510	5110
224A 89 86	89	3/8	55	102	102	1/4 X 7	1/4	0	1111	5110	1111
236A 89 86	89	3/8	50	102	102	0 X 0	1/4	0	1111	5110	1111
245A 89 86	89	3/8	55	102	102	1/4 X 7	1/4	0	5110	5310	1212
254A 89 86	89	3/8	55	102	102	1/4 X 8	1/4	0	5110	1212	5110

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	FY4	SCL	SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
206A 89 86	88	3/8	60	103	102	1/4 X 9	1/4	0	5110	1212	5110
215A 89 86	88	3/8	60	102	102	1/4 X 6	1/4	0	1212	5510	5110
224A 89 86	88	3/8	50	102	102	1/4 X 7	1/4	0	1111	5110	1111
236A 89 86	88	3/8	45	102	102	1/4 X 7	1/4	0	1111	5110	1111
245A 89 86	88	3/8	55	102	102	1/4 X 8	1/4	0	5110	5310	1212
254A 89 86	88	3/8	55	102	102	1/4 X 8	1/4	0	5110	1212	5110

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	FY4	SCL	SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
206A 89 86	87	3/8	60	103	103	1/4 X10	1/4	0	5110	1212	5110
215A 89 86	87	3/8	60	102	102	1/4 X 9	1/4	0	1212	5510	5110
224A 89 86	87	3/8	50	102	102	1/4 X 8	1/4	0	1111	5110	1111
236A 89 86	87	3/8	46	102	102	1/4 X 7	1/4	0	1111	5110	1111
245A 89 86	87	3/8	55	102	102	1/4 X 8	1/4	0	5110	5310	1212
254A 89 86	87	3/8	55	102	102	1/4 X 9	1/4	0	5110	1212	5110

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

4-A1-406

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

PROJECT	TITLE	DATE
THE WORLD TRADE CENTER	EXTERIOR WALL PANEL SCHEDULE	6-5-67

REVISIONS

PANEL NUMBER	PANEL TYPE	COLUMN 1 TYPE	COL 1 FY1	COL 1 FY2	COL 1 CSU	COL 1 CSL	COLUMN 2 TYPE	COL 2 FY1	COL 2 FY2	COL 2 CSU	COL 2 CSL	COLUMN 3 TYPE	COL 3 FY1	COL 3 FY2	COL 3 CSU	COL 3 CSL
306A 89 86	300	124	65	65	421	421	124	60	60	421	421	125	60	60	421	421
315A 89 86	300	126	55	55	421	421	126	55	55	421	421	126	55	55	421	421
324A 89 86	300	126	55	55	421	421	126	55	55	421	421	126	55	55	421	421
336A 89 86	300	127	55	55	421	421	127	60	60	421	421	127	60	60	421	421
345A 89 86	300	126	60	60	421	431	126	60	60	421	431	126	60	60	421	431
354A 89 86	300	125	65	65	421	431	124	65	65	421	431	124	65	65	421	431

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
306A 89 86	89	3/8	42	102	102	1/4 X 9	1/4	0	1311	5110	1411
315A 89 86	89	3/8	42	102	102	1/4 X 9	1/4	0	5110	1411	5110
324A 89 86	89	3/8	42	102	102	0 X 0	1/4	0	1411	5110	1411
336A 89 86	89	3/8	42	102	102	1/4 X 9	1/4	0	1411	5110	1411
345A 89 86	89	3/8	42	102	102	1/4 X10	1/4	0	5110	1411	5110
354A 89 86	89	3/8	45	103	102	1/4 X10	1/4	0	1411	5110	1311

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
306A 89 86	88	3/8	42	102	102	1/4 X 9	1/4	0	1311	5110	1411
315A 89 86	88	3/8	36	102	102	1/4 X 9	1/4	0	5110	1411	5110
324A 89 86	88	3/8	36	102	102	1/4 X 8	1/4	0	1411	5110	1411
336A 89 86	88	3/8	42	102	102	1/4 X10	1/4	0	1411	5110	1411
345A 89 86	88	3/8	42	103	103	1/4 X11	1/4	0	5110	1411	5110
354A 89 86	88	3/8	45	103	103	1/4 X10	1/4	0	1411	5110	1311

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
306A 89 86	87	3/8	42	102	102	1/4 X10	1/4	0	1311	5110	1411
315A 89 86	87	3/8	42	102	102	1/4 X10	1/4	0	5110	1411	5110
324A 89 86	87	3/8	36	102	102	1/4 X 8	1/4	0	1411	5110	1411
336A 89 86	87	3/8	42	102	102	1/4 X10	1/4	0	1411	5110	1411
345A 89 86	87	3/8	42	103	103	1/4 X11	1/4	0	5110	1411	5110
354A 89 86	87	3/8	45	103	103	1/4 X11	1/4	0	1411	5110	1311

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

4-A1-407

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

PROJECT: THE WORLD TRADE CENTER | TITLE: EXTERIOR WALL PANEL SCHEDULE | DATE: 6-5-67

EVISIONS

PANEL NUMBER	PANEL TYPE	COLUMN 1 TYPE	COL 1 FY1	COL 1 FY2	COL 1 CSU	COL 1 CSL	COLUMN 2 TYPE	COL 2 FY1	COL 2 FY2	COL 2 CSU	COL 2 CSL	COLUMN 3 TYPE	COL 3 FY1	COL 3 FY2	COL 3 CSU	COL 3 CSL
406A 89 86	300	120	85	85	421	431	120	85	85	421	431	120	85	85	421	431
415A 89 86	300	120	85	85	421	421	121	80	80	421	421	122	75	75	421	421
424A 89 86	300	121	75	75	411	421	121	75	75	411	421	121	70	70	411	421
436A 89 86	300	121	80	80	411	421	121	80	80	411	421	121	80	80	411	421
445A 89 86	300	122	75	75	421	421	121	85	85	421	421	120	85	85	421	421
454A 89 86	300	120	85	85	421	421	120	85	85	421	421	120	85	85	421	421

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
406A 89 86	89	3/8	55	102	102	1/4 X 9	1/4	0	5110	1212	5110
415A 89 86	89	3/8	55	102	102	1/4 X 8	1/4	0	1212	5510	5110
424A 89 86	89	3/8	50	102	102	1/4 X 7	1/4	0	1111	5110	1111
436A 89 86	89	3/8	55	102	102	1/4 X 7	1/4	0	1111	5110	1111
445A 89 86	89	3/8	60	102	102	1/4 X 8	1/4	0	5110	5310	1212
454A 89 86	89	3/8	55	102	102	1/4 X 8	1/4	0	5110	1212	5110

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
406A 89 86	88	3/8	60	103	102	1/4 X 9	1/4	0	5110	1212	5110
415A 89 86	88	3/8	55	102	102	1/4 X 8	1/4	0	1212	5510	5110
424A 89 86	88	3/8	46	102	102	1/4 X 7	1/4	0	1111	5110	1111
436A 89 86	88	3/8	50	102	102	1/4 X 7	1/4	0	1111	5110	1111
445A 89 86	88	3/8	60	102	102	1/4 X 8	1/4	0	5110	5310	1212
454A 89 86	88	3/8	60	102	102	1/4 X 9	1/4	0	5110	1212	5110

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

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
406A 89 86	87	3/8	60	103	103	1/4 X10	1/4	0	5110	1212	5110
415A 89 86	87	3/8	60	102	102	1/4 X 9	1/4	0	1212	5510	5110
424A 89 86	87	3/8	46	102	102	1/4 X 8	1/4	0	1111	5110	1111
436A 89 86	87	3/8	50	102	102	1/4 X 8	1/4	0	1111	5110	1111
445A 89 86	87	3/8	60	102	102	1/4 X 6	1/4	0	5110	5310	1212
454A 89 86	87	3/8	60	102	102	1/4 X 9	1/4	0	5110	1212	5110

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

PROJECT: THE WORLD TRADE CENTER | TITLE: EXTERIOR WALL PANEL SCHEDULE | DATE: 6-5-67

REVISIONS

PANEL NUMBER	PANEL TYPE	COLUMN 1 TYPE	COL 1 FY1	COL 1 FY2	COL 1 CSU	COL 1 CSL	COLUMN 2 TYPE	COL 2 FY1	COL 2 FY2	COL 2 CSU	COL 2 CSL	COLUMN 3 TYPE	COL 3 FY1	COL 3 FY2	COL 3 CSU	COL 3 CSL
100A 89 87	210	120	100	100	431	431	521	100	100	0	0	121	100	100	431	431
300A 89 87	210	120	100	100	431	431	521	100	100	0	0	121	90	90	431	431

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	WELD NO 6	WELD NO 7	SEAT DETAIL COL 1	SEAT COL 2	SEAT COL 3
100A 89 87	89	3/8	75	112	112	1/4 X12	1/4	0	5410	5010	1313
300A 89 87	89	3/8	70	112	112	1/4 X11	1/4	0	5410	5010	1313
100A 89 87	88	3/8	75	112	112	1/4 X13	1/4	0	5410	5010	1313
300A 89 87	88	3/8	75	112	112	1/4 X12	1/4	0	5410	5010	1313

LICENSED PROFESSIONAL ENGINEER — LESLIE E. ROBERTSON — No. 54360 — UNIVERSITY OF THE STATE OF NEW YORK

4-A1-409

WORTHINGTON, SKILLING, HELLE & JACKSON Civil & Structural Engineers

PROJECT THE WORLD TRADE CENTER | TITLE EXTERIOR WALL PANEL SCHEDULE | DATE 6-5-67

EVISIONS

PANEL NUMBER	PANEL TYPE	COLUMN 1 TYPE	FY1	FY2	CSU	CSL	COLUMN 2 TYPE	FY1	FY2	CSU	CSL	COLUMN 3 TYPE	FY1	FY2	CSU	CSL
103A 90 87	300	120	90	90	421	431	121	80	80	421	421	122	70	70	421	421
112A 90 87	300	126	55	55	421	421	126	55	55	421	421	126	55	55	421	421
121A 90 87	300	126	55	55	421	421	126	55	55	421	421	126	55	55	421	421
130A 90 87	300	126	50	50	421	421	126	50	50	421	421	126	50	50	421	421
139A 90 87	300	126	55	55	421	421	126	55	55	421	421	126	55	55	421	421
148A 90 87	300	126	60	60	421	431	126	60	60	421	431	126	60	60	421	431
157A 90 87	300	122	75	75	421	431	121	85	85	421	431	120	100	100	431	431

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	FY4	SCL	SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
103A 90 87	90	3/8	70	112	102	1/4 X 9	1/4	0	5110	1311	5210
112A 90 87	90	3/8	42	102	102	1/4 X 9	1/4	0	1511	5210	1411
121A 90 87	90	3/8	36	102	102	1/4 X 8	1/4	0	5210	1411	5210
130A 90 87	90	3/8	36	102	102	1/4 X 8	1/4	0	1411	5210	1411
139A 90 87	90	3/8	42	102	102	1/4 X 9	1/4	0	5210	1411	5210
148A 90 87	90	3/8	42	102	102	1/4 X10	1/4	0	1411	5210	1511
157A 90 87	90	3/8	75	102	112	1/4 X10	1/4	0	5210	1311	5110

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	FY4	SCL	SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
103A 90 87	89	3/8	70	112	102	1/4 X10	1/4	0	5110	1311	5210
112A 90 87	89	3/8	42	102	102	1/4 X 9	1/4	0	1511	5210	1411
121A 90 87	89	3/8	36	102	102	1/4 X 8	1/4	0	5210	1411	5210
130A 90 87	89	3/8	36	102	102	1/4 X 8	1/4	0	1411	5210	1411
139A 90 87	89	3/8	42	102	102	1/4 X10	1/4	0	5210	1411	5210
148A 90 87	89	3/8	42	103	103	1/4 X10	1/4	0	1411	5210	1511
157A 90 87	89	3/8	75	103	112	1/4 X11	1/4	0	5210	1311	5110

LICENSED PROFESSIONAL ENGINEER LESLIE E. ROBERTSON No. 34560 UNIVERSITY OF THE STATE OF NEW YORK

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	FY4	SCL	SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
103A 90 87	88	3/8	75	112	102	1/4 X10	1/4	0	5110	1311	5210
112A 90 87	88	3/8	36	102	102	1/4 X10	1/4	0	1511	5210	1411
121A 90 87	88	3/8	36	102	102	1/4 X 9	1/4	0	5210	1411	5210
130A 90 87	88	3/8	36	102	102	1/4 X 8	1/4	0	1411	5210	1411
139A 90 87	88	3/8	42	102	103	1/4 X10	1/4	0	5210	1411	5210
148A 90 87	88	3/8	42	103	103	1/4 X11	1/4	0	1411	5210	1511
157A 90 87	88	3/8	75	103	112	1/4 X11	1/4	0	5210	1311	5110

4-A1-410

WORTHINGTON, SKILLING, HELLE & JACKSON Civil & Structural Engineers

PROJECT: THE WORLD TRADE CENTER | TITLE: EXTERIOR WALL PANEL SCHEDULE | DATE: 6-5-67

REVISIONS

PANEL NUMBER	PANEL TYPE	COLUMN 1 TYPE	FY1	FY2	CSU	CSL	COLUMN 2 TYPE	FY1	FY2	CSU	CSL	COLUMN 3 TYPE	FY1	FY2	CSU	CSL
203A 90 87	300	120	100	100	431	431	120	85	85	421	431	120	85	85	421	431
212A 90 87	300	120	85	85	421	421	120	85	85	421	421	120	85	85	421	421
221A 90 87	300	122	75	75	421	421	121	75	75	411	421	121	80	80	411	421
230A 90 87	300	121	75	75	411	411	121	75	75	411	411	121	75	75	411	411
239A 90 87	300	121	75	75	411	421	121	70	70	411	421	122	70	70	411	421
248A 90 87	300	120	80	80	421	421	120	80	80	421	421	120	80	80	421	421
257A 90 87	300	120	80	80	421	421	120	80	80	421	421	120	85	85	421	431

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	FY4	SCL	SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
203A 90 87	90	3/8	70	112	102	1/4 X10	1/4	0	1013	5210	5010
212A 90 87	90	3/8	55	102	102	1/4 X 8	1/4	0	5210	5010	5210
221A 90 87	90	3/8	55	102	102	1/4 X 7	1/4	0	5210	1111	5210
230A 90 87	90	3/8	50	101	101	0 X 0	1/4	0	1111	5210	1111
239A 90 87	90	3/8	50	102	102	0 X 0	1/4	0	5210	1111	5210
248A 90 87	90	3/8	50	102	102	1/4 X 7	1/4	0	5210	5010	5210
257A 90 87	90	3/8	65	102	112	1/4 X 9	1/4	0	5010	5210	1013

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	FY4	SCL	SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
203A 90 87	89	3/8	75	112	102	1/4 X11	1/4	0	1013	5210	5010
~~212A 90 87~~	~~89~~	~~3/8~~	~~60~~	~~102~~	~~102~~	~~1/4 X 8~~	~~1/4~~	~~0~~	~~5210~~	~~5010~~	~~5210~~
221A 90 87	89	3/8	50	102	102	1/4 X 8	1/4	0	5210	1111	5210
230A 90 87	89	3/8	50	102	101	0 X 0	1/4	0	1111	5210	1111
239A 90 87	89	3/8	46	102	102	1/4 X 7	1/4	0	5210	1111	5210
248A 90 87	89	3/8	55	102	102	1/4 X 8	1/4	0	5210	5010	5210
257A 90 87	89	3/8	65	102	112	1/4 X 9	1/4	0	5010	5210	1013

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	FY4	SCL	SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
203A 90 87	88	3/8	75	112	103	1/4 X11	1/4	0	1013	5210	5010
212A 90 87	88	3/8	60	102	102	1/4 X 9	1/4	0	5210	5010	5210
221A 90 87	88	3/8	50	102	102	1/4 X 8	1/4	0	5210	1111	5210
230A 90 87	88	3/8	46	102	102	0 X 0	1/4	0	1111	5210	1111
239A 90 87	88	3/8	46	102	102	1/4 X 7	1/4	0	5210	1111	5210
248A 90 87	88	3/8	55	102	102	1/4 X 8	1/4	0	5210	5010	5210
257A 90 87	88	3/8	70	102	112	1/4 X10	1/4	0	5010	5210	1013

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

4-A1-411

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

PROJECT: THE WORLD TRADE CENTER | TITLE: EXTERIOR WALL PANEL SCHEDULE | DATE: 6-5-67

EVISIONS

PANEL NUMBER	PANEL TYPE	COLUMN 1 TYPE	COL 1 FY1	COL 1 FY2	COL 1 CSU	COL 1 CSL	COLUMN 2 TYPE	COL 2 FY1	COL 2 FY2	COL 2 CSU	COL 2 CSL	COLUMN 3 TYPE	COL 3 FY1	COL 3 FY2	COL 3 CSU	COL 3 CSL
303A 90 87	300	120	90	90	421	431	121	80	80	421	421	122	70	70	421	421
312A 90 87	300	126	55	55	421	421	126	55	55	421	421	126	55	55	421	421
321A 90 87	300	126	55	55	421	421	126	55	55	421	421	126	55	55	421	421
330A 90 87	300	126	55	55	421	421	126	55	55	421	421	126	55	55	421	421
339A 90 87	300	126	60	60	421	421	126	60	60	421	421	126	60	60	421	421
348A 90 87	300	126	60	60	421	431	126	60	60	421	431	126	60	60	421	431
357A 90 87	300	122	75	75	421	431	121	85	85	421	431	120	100	100	431	431

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SPD FY4	SPD SCL	SPD SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
303A 90 87	90	3/8	65	112	102	1/4 X 9	1/4	0	5110	1311	5210
312A 90 87	90	3/8	42	102	102	1/4 X 9	1/4	0	1511	5210	1411
321A 90 87	90	3/8	36	102	102	1/4 X 8	1/4	0	5210	1411	5210
330A 90 87	90	3/8	42	102	102	0 X 0	1/4	0	1411	5210	1411
339A 90 87	90	3/8	42	102	102	1/4 X 9	1/4	0	5210	1411	5210
348A 90 87	90	3/8	42	102	102	1/4 X10	1/4	0	1411	5210	1511
357A 90 87	90	3/8	70	102	112	1/4 X10	1/4	0	5210	1311	5110

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SPD FY4	SPD SCL	SPD SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
303A 90 87	89	3/8	70	112	102	1/4 X 9	1/4	0	5110	1311	5210
~~312A 90 87~~	~~89~~	~~3/8~~	~~42~~	~~102~~	~~102~~	~~1/4 X 9~~	~~1/4~~	~~0~~	~~1511~~	~~5210~~	~~1411~~
321A 90 87	89	3/8	42	102	102	1/4 X 8	1/4	0	5210	1411	5210
330A 90 87	89	3/8	36	102	102	1/4 X 8	1/4	0	1411	5210	1411
339A 90 87	89	3/8	42	102	102	1/4 X10	1/4	0	5210	1411	5210
348A 90 87	89	3/8	42	102	103	1/4 X10	1/4	0	1411	5210	1511
357A 90 87	89	3/8	75	102	112	1/4 X11	1/4	0	5210	1311	5110

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SPD FY4	SPD SCL	SPD SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
303A 90 87	88	3/8	70	112	102	1/4 X10	1/4	0	5110	1311	5210
312A 90 87	88	3/8	36	102	102	1/4 X 9	1/4	0	1511	5210	1411
321A 90 87	88	3/8	36	102	102	1/4 X 8	1/4	0	5210	1411	5210
330A 90 87	88	3/8	42	102	102	1/4 X 9	1/4	0	1411	5210	1411
339A 90 87	88	3/8	42	102	103	1/4 X10	1/4	0	5210	1411	5210
348A 90 87	88	3/8	42	103	103	1/4 X11	1/4	0	1411	5210	1511
357A 90 87	88	5/8	75	103	112	1/4 X11	1/4	0	5210	1311	5110

LICENSED PROFESSIONAL ENGINEER — LESLIE E. ROBERTSON — No. 34860 — UNIVERSITY OF THE STATE OF NEW YORK

4-A1-412

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

PROJECT: THE WORLD TRADE CENTER | TITLE: EXTERIOR WALL PANEL SCHEDULE | DATE: 6-5-67

EVISIONS

PANEL NUMBER			PANEL TYPE	COLUMN 1 TYPE	COL 1 FY1	COL 1 FY2	COL 1 CSU	COL 1 CSL	COLUMN 2 TYPE	COL 2 FY1	COL 2 FY2	COL 2 CSU	COL 2 CSL	COLUMN 3 TYPE	COL 3 FY1	COL 3 FY2	COL 3 CSU	COL 3 CSL
403A	90	87	300	120	100	100	421	431	120	85	85	421	421	120	85	85	421	421
412A	90	87	300	120	80	80	421	421	120	80	80	421	421	120	80	80	421	421
421A	90	87	300	122	70	70	421	421	121	70	70	411	421	121	75	75	411	421
430A	90	87	300	121	75	75	411	411	121	75	75	411	411	121	75	75	411	411
439A	90	87	300	121	80	80	411	421	121	75	75	411	421	122	75	75	421	421
448A	90	87	300	120	85	85	421	421	120	85	85	421	421	120	85	85	421	421
457A	90	87	300	120	85	85	421	421	120	85	85	421	421	120	90	90	421	431

X

PANEL NUMBER			FLOOR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
403A	90	87	90	3/8	70	112	102	1/4 X10	1/4	0	1013	5210	5010
412A	90	87	90	3/8	55	102	102	1/4 X 8	1/4	0	5210	5010	5210
421A	90	87	90	3/8	50	102	102	1/4 X 7	1/4	0	5210	1111	5210
430A	90	87	90	3/8	50	101	101	0 X 0	1/4	0	1111	5210	1111
439A	90	87	90	3/8	55	102	102	1/4 X 7	1/4	0	5210	1111	5210
448A	90	87	90	3/8	55	102	102	1/4 X 8	1/4	0	5210	5010	5210
457A	90	87	90	3/8	70	102	112	1/4 X 9	1/4	0	5010	5210	1013

PANEL NUMBER			FLOOR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
403A	90	87	89	3/8	70	112	102	1/4 X10	1/4	0	1013	5210	5010
412A	90	87	89	3/8	55	102	102	1/4 X 8	1/4	0	5210	5010	5210
421A	90	87	89	3/8	46	102	102	1/4 X 7	1/4	0	5210	1111	5210
430A	90	87	89	3/8	50	101	102	0 X 0	1/4	0	1111	5210	1111
439A	90	87	89	3/8	50	102	102	1/4 X 7	1/4	0	5210	1111	5210
448A	90	87	89	3/8	55	102	102	1/4 X 8	1/4	0	5210	5010	5210
457A	90	87	89	3/8	70	102	112	1/4 X10	1/4	0	5010	5210	1013

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

PANEL NUMBER			FLOOR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
403A	90	87	88	3/8	75	112	103	1/4 X11	1/4	0	1013	5210	5010
412A	90	87	88	3/8	55	102	102	1/4 X 9	1/4	0	5210	5010	5210
421A	90	87	88	3/8	50	102	102	1/4 X 8	1/4	0	5210	1111	5210
430A	90	87	88	3/8	46	102	102	0 X 0	1/4	0	1111	5210	1111
439A	90	87	88	3/8	50	102	102	1/4 X 8	1/4	0	5210	1111	5210
448A	90	87	88	3/8	60	102	102	1/4 X 8	1/4	0	5210	5010	5210
457A	90	87	88	3/8	75	102	112	1/4 X10	1/4	0	5010	5210	1013

4-A1-413

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

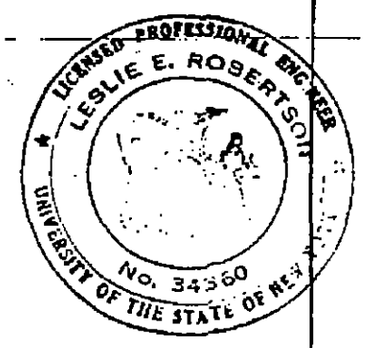
PROJECT	TITLE	DATE
THE WORLD TRADE CENTER	EXTERIOR WALL PANEL SCHEDULE	6-5-67

REVISIONS

PANEL NUMBER	PANEL TYPE	COLUMN 1					COLUMN 2					COLUMN 3				
		TYPE	FY1	FY2	CSU	CSL	TYPE	FY1	FY2	CSU	CSL	TYPE	FY1	FY2	CSU	CSL
200A 90 88	210	121	100	100	431	431	521	100	100	0	0	120	100	100	431	431
400A 90 88	210	121	100	100	431	431	521	100	100	0	0	120	100	100	431	431

PANEL NUMBER	FLOOR	SPANDREL PLATE				WELDMENTS			SEAT DETAIL		
		T4	FY4	SCL	SCR	NO 5	NO 6	NO 7	COL 1	COL 2	COL 3
200A 90 88	90	3/8	75	112	112	1/4 X12	1/4	0	1313	5010	5610
400A 90 88	90	3/8	75	112	112	1/4 X12	1/4	0	1313	5010	5610

PANEL NUMBER	FLOOR	SPANDREL PLATE				WELDMENTS			SEAT DETAIL		
		T4	FY4	SCL	SCR	NO 5	NO 6	NO 7	COL 1	COL 2	COL 3
200A 90 88	89	3/8	75	112	112	1/4 X13	1/4	0	1313	5010	5610
400A 90 88	89	3/8	75	112	112	1/4 X13	1/4	0	1313	5010	5610



4-A1-414

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

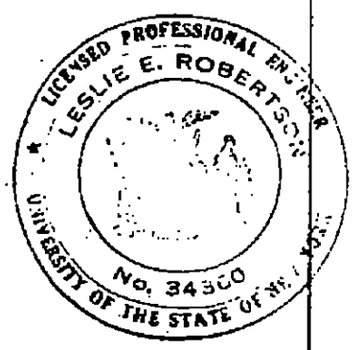
PROJECT: THE WORLD TRADE CENTER | TITLE: EXTERIOR WALL PANEL SCHEDULE | DATE: 6-5-67

REVISIONS

PANEL NUMBER			PANEL TYPE	COLUMN 1					COLUMN 2					COLUMN 3				
				TYPE	FY1	FY2	CSU	CSL	TYPE	FY1	FY2	CSU	CSL	TYPE	FY1	FY2	CSU	CSL
109A	91	88	300	124	60	60	421	421	125	60	60	421	421	125	60	60	421	421
118A	91	86	300	125	55	55	421	421	125	55	55	421	421	125	55	55	421	421
127A	91	88	300	125	55	55	411	421	125	55	55	411	421	126	50	50	411	421
133A	91	88	300	126	50	50	421	421	126	50	50	421	421	126	55	55	421	421
142A	91	88	300	126	55	55	421	421	126	55	55	421	421	125	60	60	421	421
151A	91	88	300	125	60	60	421	431	125	65	65	421	431	124	65	65	421	431

PANEL NUMBER			FLOOR	SPANDREL PLATE T4	FY4	SCL	SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
109A	91	88	91	3/8	42	102	102	1/4 X 6	1/4	0	5210	1411	5210
118A	91	86	91	3/8	42	102	102	1/4 X 5	1/4	0	1411	5210	1411
127A	91	88	91	3/8	36	102	102	0 X 0	1/4	0	5110	1411	5210
133A	91	88	91	3/8	36	102	102	1/4 X 6	1/4	0	5210	1411	5110
142A	91	88	91	3/8	42	102	102	1/4 X 5	1/4	0	1411	5210	1411
151A	91	88	91	3/8	42	102	102	1/4 X 9	1/4	0	5210	1411	5210

PANEL NUMBER			FLOOR	SPANDREL PLATE T4	FY4	SCL	SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
109A	91	88	90	3/8	42	102	102	1/4 X 9	1/4	0	5210	1411	5210
118A	91	86	90	3/8	36	102	102	1/4 X 5	1/4	0	1411	5210	1411
127A	91	88	90	3/8	36	102	102	0 X 0	1/4	0	5110	1411	5210
133A	91	88	90	3/8	36	102	102	1/4 X 6	1/4	0	5210	1411	5110
142A	91	88	90	3/8	42	102	102	1/4 X 9	1/4	0	1411	5210	1411
151A	91	88	90	3/8	42	102	102	1/4 X10	1/4	0	5210	1411	5210



PANEL NUMBER			FLOOR	SPANDREL PLATE T4	FY4	SCL	SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
109A	91	88	89	3/8	42	102	102	1/4 X 9	1/4	0	5210	1411	5210
118A	91	88	89	3/8	42	102	102	1/4 X 9	1/4	0	1411	5210	1411
127A	91	88	89	3/8	36	102	102	0 X 0	1/4	0	5110	1411	5210
133A	91	88	89	3/8	36	102	102	1/4 X 9	1/4	0	5210	1411	5110
142A	91	88	89	3/8	42	102	102	1/4 X10	1/4	0	1411	5210	1411
151A	91	88	89	3/8	45	103	103	1/4 X10	1/4	0	5210	1411	5210

4-A1-415

WORTHINGTON, SKILLING, HELLE & JACKSON Civil & Structural Engineers

PROJECT	TITLE	DATE
THE WORLD TRADE CENTER	EXTERIOR WALL PANEL SCHEDULE	6-5-67

VISIONS

PANEL NUMBER			PANEL TYPE	COLUMN 1					COLUMN 2					COLUMN 3				
				TYPE	FY1	FY2	CSU	CSL	TYPE	FY1	FY2	CSU	CSL	TYPE	FY1	FY2	CSU	CSL
209A	91	88	300	120	85	85	421	421	120	85	85	421	421	120	80	80	421	421
218A	91	88	300	121	80	80	421	421	121	80	80	421	421	121	80	80	421	421
227A	91	88	300	120	75	75	411	411	120	75	75	411	411	120	75	75	411	411
233A	91	88	300	120	70	70	411	411	120	70	70	411	411	120	70	70	411	411
242A	91	88	300	121	75	75	411	421	121	75	75	411	421	121	75	75	411	421
251A	91	88	300	120	75	75	421	421	120	75	75	421	421	120	75	75	421	421

PANEL NUMBER			FLOOR	SPANDREL PLATE				WELDMENTS			SEAT DETAIL		
				T4	FY4	SCL	SCR	NO 5	NO 6	NO 7	COL 1	COL 2	COL 3
209A	91	88	91	3/8	55	102	102	1/4 X 8	1/4	0	5010	5210	1212
218A	91	88	91	3/8	55	102	102	1/4 X 7	1/4	0	1611	5210	1111
227A	91	88	91	3/8	50	101	101	0 X 0	1/4	0	5110	1111	5210
233A	91	88	91	3/8	46	101	101	0 X 0	1/4	0	5210	1111	5110
242A	91	88	91	3/8	50	102	102	0 X 0	1/4	0	1111	5210	1611
251A	91	88	91	3/8	50	102	102	1/4 X 7	1/4	0	1212	5210	5010

PANEL NUMBER			FLOOR	SPANDREL PLATE				WELDMENTS			SEAT DETAIL		
				T4	FY4	SCL	SCR	NO 5	NO 6	NO 7	COL 1	COL 2	COL 3
209A	91	88	90	3/8	55	102	102	1/4 X 8	1/4	0	5010	5210	1212
218A	91	88	90	3/8	50	102	102	1/4 X 8	1/4	0	1611	5210	1111
227A	91	88	90	3/8	50	102	101	0 X 0	1/4	0	5110	1111	5210
233A	91	88	90	3/8	50	101	101	0 X 0	1/4	0	5210	1111	5110
242A	91	88	90	3/8	46	102	102	1/4 X 7	1/4	0	1111	5210	1611
251A	91	88	90	3/8	50	102	102	1/4 X 8	1/4	0	1212	5210	5010

PANEL NUMBER			FLOOR	SPANDREL PLATE				WELDMENTS			SEAT DETAIL		
				T4	FY4	SCL	SCR	NO 5	NO 6	NO 7	COL 1	COL 2	COL 3
209A	91	88	89	3/8	60	102	102	1/4 X 9	1/4	0	5010	5210	1212
218A	91	88	89	3/8	55	102	102	1/4 X 8	1/4	0	1611	5210	1111
227A	91	88	89	3/8	55	102	102	0 X 0	1/4	0	5110	1111	5210
233A	91	88	89	3/8	50	101	102	0 X 0	1/4	0	5210	1111	5110
242A	91	88	89	3/8	50	102	102	1/4 X 7	1/4	0	1111	5210	1611
251A	91	88	89	3/8	55	102	102	1/4 X 8	1/4	0	1212	5210	5010

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

4-A1-416

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

PROJECT: THE WORLD TRADE CENTER | TITLE: EXTERIOR WALL PANEL SCHEDULE | DATE: 6-5-67

REVISIONS

PANEL NUMBER	PANEL TYPE	COLUMN 1 TYPE	COL 1 FY1	COL 1 FY2	COL 1 CSU	COL 1 CSL	COLUMN 2 TYPE	COL 2 FY1	COL 2 FY2	COL 2 CSU	COL 2 CSL	COLUMN 3 TYPE	COL 3 FY1	COL 3 FY2	COL 3 CSU	COL 3 CSL
309A 91 88	300	124	60	60	421	421	125	60	60	421	421	125	60	60	421	421
318A 91 88	300	125	55	55	421	421	125	55	55	421	421	125	55	55	421	421
327A 91 88	300	125	55	55	411	421	125	55	55	411	421	126	55	55	411	421
333A 91 88	300	126	55	55	421	421	126	55	55	421	421	126	55	55	421	421
342A 91 88	300	126	60	60	421	421	126	60	60	421	421	125	60	60	421	421
351A 91 88	300	125	60	60	421	431	125	65	65	421	431	124	65	65	421	431

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
309A 91 88	91	3/8	42	102	102	1/4 X 8	1/4	0	5210	1411	5210
318A 91 88	91	3/8	42	102	102	0 X 0	1/4	0	1411	5210	1411
327A 91 88	91	3/8	42	102	102	0 X 0	1/4	0	5110	1411	5210
333A 91 88	91	3/8	42	102	102	0 X 0	1/4	0	5210	1411	5110
342A 91 88	91	3/8	42	102	102	1/4 X 9	1/4	0	1411	5210	1411
351A 91 88	91	3/8	42	102	102	1/4 X 9	1/4	0	5210	1411	5210

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
309A 91 88	90	3/8	42	102	102	1/4 X 8	1/4	0	5210	1411	5210
~~318A 91 88~~	~~90~~	~~3/8~~	~~42~~	~~102~~	~~102~~	~~1/4 X 8~~	~~1/4~~	~~0~~	~~1411~~	~~5210~~	~~1411~~
327A 91 88	90	3/8	36	102	102	0 X 0	1/4	0	5110	1411	5210
333A 91 88	90	3/8	36	102	102	1/4 X 8	1/4	0	5210	1411	5110
342A 91 88	90	3/8	42	102	102	1/4 X 9	1/4	0	1411	5210	1411
351A 91 88	90	3/8	42	102	102	1/4 X 9	1/4	0	5210	1411	5210

LICENSED PROFESSIONAL ENGINEER — LESLIE E. ROBERTSON — No. 34300 — UNIVERSITY OF THE STATE OF NEW YORK

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
309A 91 88	89	3/8	42	102	102	1/4 X 9	1/4	0	5210	1411	5210
318A 91 88	89	3/8	42	102	102	1/4 X 8	1/4	0	1411	5210	1411
327A 91 88	89	3/8	42	102	102	0 X 0	1/4	0	5110	1411	5210
333A 91 88	89	3/8	42	102	102	1/4 X 9	1/4	0	5210	1411	5110
342A 91 88	89	3/8	42	102	102	1/4 X10	1/4	0	1411	5210	1411
351A 91 88	89	3/8	45	103	103	1/4 X10	1/4	0	5210	1411	5210

4-A1-417

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

PROJECT: THE WORLD TRADE CENTER | TITLE: EXTERIOR WALL PANEL SCHEDULE | DATE: 6-5-67

REVISIONS

PANEL NUMBER	PANEL TYPE	COLUMN 1 TYPE	C1 FY1	C1 FY2	C1 CSU	C1 CSL	COLUMN 2 TYPE	C2 FY1	C2 FY2	C2 CSU	C2 CSL	COLUMN 3 TYPE	C3 FY1	C3 FY2	C3 CSU	C3 CSL
409A 91 88	300	120	80	80	421	421	120	80	80	421	421	120	80	80	421	421
418A 91 88	300	121	75	75	421	421	121	75	75	411	421	121	75	75	411	421
427A 91 88	300	120	70	70	411	411	120	75	75	411	411	120	75	75	411	411
433A 91 88	300	120	75	75	411	411	120	75	75	411	411	120	75	75	411	411
442A 91 88	300	121	80	80	411	421	121	80	80	411	421	121	80	80	421	421
451A 91 88	300	120	80	80	421	421	120	80	80	421	421	120	80	80	421	421

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	FY4	SCL	SCR	REINFORCEMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
409A 91 88	91	3/8	50	102	102	1/4 X 8	1/4	0	5010	5210	1212
418A 91 88	91	3/8	55	102	102	1/4 X 7	1/4	0	1611	5210	1111
427A 91 88	91	3/8	46	101	101	0 X 0	1/4	0	5110	1111	5210
433A 91 88	91	3/8	50	101	101	0 X 0	1/4	0	5210	1111	5110
442A 91 88	91	3/8	55	102	102	1/4 X 7	1/4	0	1111	5210	1611
451A 91 88	91	3/8	55	102	102	1/4 X 7	1/4	0	1212	5210	5010

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	FY4	SCL	SCR	REINFORCEMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
409A 91 88	90	3/8	55	102	102	1/4 X 8	1/4	0	5010	5210	1212
418A 91 88	90	3/8	46	102	102	1/4 X 8	1/4	0	1611	5210	1111
427A 91 88	90	3/8	50	102	101	0 X 0	1/4	0	5110	1111	5210
433A 91 88	90	3/8	50	101	102	0 X 0	1/4	0	5210	1111	5110
442A 91 88	90	3/8	50	102	102	1/4 X 7	1/4	0	1111	5210	1611
451A 91 88	90	3/8	55	102	102	1/4 X 8	1/4	0	1212	5210	5010

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

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	FY4	SCL	SCR	REINFORCEMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
409A 91 88	89	3/8	55	102	102	1/4 X 8	1/4	0	5010	5210	1212
418A 91 88	89	3/8	50	102	102	1/4 X 8	1/4	0	1611	5210	1111
427A 91 88	89	3/8	50	102	101	0 X 0	1/4	0	5110	1111	5210
433A 91 88	89	3/8	55	102	102	0 X 0	1/4	0	5210	1111	5110
442A 91 88	89	3/8	50	102	102	1/4 X 8	1/4	0	1111	5210	1611
451A 91 88	89	3/8	55	102	102	1/4 X 8	1/4	0	1212	5210	5010

WORTHINGTON, SKILLING, HELLE & JACKSON Civil & Structural Engineers

PROJECT	TITLE	DATE
THE WORLD TRADE CENTER	EXTERIOR WALL PANEL SCHEDULE	6-5-67

REVISIONS

PANEL NUMBER	PANEL TYPE	COLUMN 1					COLUMN 2					COLUMN 3				
		TYPE	FY1	FY2	CSU	CSL	TYPE	FY1	FY2	CSU	CSL	TYPE	FY1	FY2	CSU	CSL
100A 91 89	210	120	100	100	431	431	520	100	100	0	0	120	100	100	431	431
300A 91 89	210	120	100	100	431	431	520	100	100	0	0	120	100	100	431	431

PANEL NUMBER	FLOOR	SPANDREL PLATE				WELDMENTS			SEAT DETAIL		
		T4	FY4	SCL	SCR	NO 5	NO 6	NO 7	COL 1	COL 2	COL 3
100A 91 89	91	3/8	70	112	112	1/4 X11	1/4	0	5410	5010	1313
300A 91 89	91	3/8	65	112	112	1/4 X10	1/4	0	5410	5010	1313

PANEL NUMBER	FLOOR	SPANDREL PLATE				WELDMENTS			SEAT DETAIL		
		T4	FY4	SCL	SCR	NO 5	NO 6	NO 7	COL 1	COL 2	COL 3
100A 91 89	90	3/8	70	112	112	1/4 X11	1/4	0	5410	5010	1313
300A 91 89	90	3/8	70	112	112	1/4 X11	1/4	0	5410	5010	1313

LICENSED PROFESSIONAL ENGINEER LESLIE E. ROBERTSON No. 34350 UNIVERSITY OF THE STATE OF NEW YORK

4-A1-419

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

PROJECT: THE WORLD TRADE CENTER | TITLE: EXTERIOR WALL PANEL SCHEDULE | DATE: 6-5-67

REVISIONS

PANEL NUMBER	PANEL TYPE	COLUMN 1 TYPE	COL 1 FY1	COL 1 FY2	COL 1 CSU	COL 1 CSL	COLUMN 2 TYPE	COL 2 FY1	COL 2 FY2	COL 2 CSU	COL 2 CSL	COLUMN 3 TYPE	COL 3 FY1	COL 3 FY2	COL 3 CSU	COL 3 CSL
106A 92 89	300	123	65	65	421	421	123	65	65	421	421	124	60	60	421	421
115A 92 89	300	125	55	55	421	421	125	55	55	421	421	125	55	55	421	421
124A 92 89	300	125	55	55	411	421	125	55	55	411	421	125	55	55	411	421
136A 92 89	300	126	55	55	421	421	126	55	55	421	421	126	55	55	421	421
145A 92 89	300	125	60	60	421	421	125	60	60	421	421	125	60	60	421	421
154A 92 89	300	124	65	65	421	421	123	70	70	421	421	123	70	70	421	421

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
106A 92 89	92	3/8	45	102	102	0 X 0	1/4	0	2310	5110	2410
115A 92 89	92	3/8	42	102	102	0 X 0	1/4	0	5110	2410	5110
124A 92 89	92	3/8	36	102	102	0 X 0	1/4	0	2410	5110	2410
136A 92 89	92	3/8	36	102	102	1/4 X 8	1/4	0	2410	5110	2410
145A 92 89	92	3/8	42	102	102	1/4 X 9	1/4	0	5110	2410	5110
154A 92 89	92	3/8	46	102	102	1/4 X 8	1/4	0	2410	5110	2310

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
106A 92 89	91	3/8	45	102	102	1/4 X 8	1/4	0	1311	5110	1411
115A 92 89	91	3/8	42	102	102	1/4 X 8	1/4	0	5110	1411	5110
124A 92 89	91	3/8	36	102	102	0 X 0	1/4	0	1411	5110	1411
136A 92 89	91	3/8	36	102	102	1/4 X 8	1/4	0	1411	5110	1411
145A 92 89	91	3/8	42	102	102	1/4 X 9	1/4	0	5110	1411	5110
154A 92 89	91	3/8	50	102	102	1/4 X 9	1/4	0	1411	5110	1311

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

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
106A 92 89	90	3/8	42	102	102	1/4 X 8	1/4	0	1311	5110	1411
115A 92 89	90	3/8	36	102	102	1/4 X 9	1/4	0	5110	1411	5110
124A 92 89	90	3/8	36	102	102	0 X 0	1/4	0	1411	5110	1411
136A 92 89	90	3/8	36	102	102	1/4 X 9	1/4	0	1411	5110	1411
145A 92 89	90	3/8	42	102	102	1/4 X10	1/4	0	5110	1411	5110
154A 92 89	90	3/8	45	102	102	1/4 X 9	1/4	0	1411	5110	1311

4-A1-420

WORTHINGTON, SKILLING, HELLE & JACKSON Civil & Structural Engineers

PROJECT: THE WORLD TRADE CENTER | TITLE: EXTERIOR WALL PANEL SCHEDULE | DATE: 6-5-67

REVISIONS

PANEL NUMBER	PANEL TYPE	COLUMN 1					COLUMN 2					COLUMN 3				
		TYPE	FY1	FY2	CSU	CSL	TYPE	FY1	FY2	CSU	CSL	TYPE	FY1	FY2	CSU	CSL
206A 92 89	300	120	80	80	421	421	120	80	80	421	421	120	80	80	421	421
215A 92 89	300	120	80	80	421	421	120	80	80	421	421	121	80	80	421	421
224A 92 89	300	120	75	75	411	421	120	75	75	411	411	120	75	75	411	411
236A 92 89	300	120	70	70	411	411	120	70	70	411	411	120	70	70	411	411
245A 92 89	300	121	75	75	411	421	120	75	75	411	421	120	75	75	411	421
254A 92 89	300	120	75	75	421	421	120	75	75	421	421	120	75	75	421	421

PANEL NUMBER	FLOOR	SPANDREL PLATE				WELDMENTS			SEAT DETAIL		
		T4	FY4	SCL	SCR	NO 5	NO 6	NO 7	COL 1	COL 2	COL 3
206A 92 89	92	3/8	55	102	102	1/4 X 8	1/4	0	5110	2210	5110
215A 92 89	92	3/8	55	102	102	1/4 X 7	1/4	0	2210	5510	5110
224A 92 89	92	3/8	50	102	101	0 X 0	1/4	0	2110	5110	2110
236A 92 89	92	3/8	46	101	101	0 X 0	1/4	0	2110	5110	2110
245A 92 89	92	3/8	50	102	102	0 X 0	1/4	0	5110	5310	2210
254A 92 89	92	3/8	50	102	102	1/4 X 7	1/4	0	5110	2210	5110

PANEL NUMBER	FLOOR	SPANDREL PLATE				WELDMENTS			SEAT DETAIL		
		T4	FY4	SCL	SCR	NO 5	NO 6	NO 7	COL 1	COL 2	COL 3
206A 92 89	91	3/8	55	102	102	1/4 X 8	1/4	0	5110	1212	5110
215A 92 89	91	3/8	55	102	102	1/4 X 7	1/4	0	1212	5510	5110
224A 92 89	91	3/8	50	102	101	0 X 0	1/4	0	1111	5110	1111
236A 92 89	91	3/8	50	101	102	0 X 0	1/4	0	1111	5110	1111
245A 92 89	91	3/8	50	102	102	0 X 0	1/4	0	5110	5310	1212
254A 92 89	91	3/8	50	102	102	1/4 X 7	1/4	0	5110	1212	5110

LICENSED PROFESSIONAL ENGINEER LESLIE E. ROBERTSON No. 34350 UNIVERSITY OF THE STATE OF NEW YORK

PANEL NUMBER	FLOOR	SPANDREL PLATE				WELDMENTS			SEAT DETAIL		
		T4	FY4	SCL	SCR	NO 5	NO 6	NO 7	COL 1	COL 2	COL 3
206A 92 89	90	3/8	55	102	102	1/4 X 9	1/4	0	5110	1212	5110
215A 92 89	90	3/8	55	102	102	1/4 X 8	1/4	0	1212	5510	5110
224A 92 89	90	3/8	55	102	102	0 X 0	1/4	0	1111	5110	1111
236A 92 89	90	3/8	50	101	102	0 X 0	1/4	0	1111	5110	1111
245A 92 89	90	3/8	55	102	102	1/4 X 7	1/4	0	5110	5310	1212
254A 92 89	90	3/8	55	102	102	1/4 X 8	1/4	0	5110	1212	5110

4-A1-421

WORTHINGTON, SKILLING, HELLE & JACKSON Civil & Structural Engineers

PROJECT: THE WORLD TRADE CENTER | TITLE: EXTERIOR WALL PANEL SCHEDULE | DATE: 6-5-67

REVISIONS

PANEL NUMBER	PANEL TYPE	COLUMN 1 TYPE	COL 1 FY1	COL 1 FY2	COL 1 CSU	COL 1 CSL	COLUMN 2 TYPE	COL 2 FY1	COL 2 FY2	COL 2 CSU	COL 2 CSL	COLUMN 3 TYPE	COL 3 FY1	COL 3 FY2	COL 3 CSU	COL 3 CSL
306A 92 89	300	123	65	65	421	421	123	65	65	421	421	124	60	60	421	421
315A 92 89	300	125	55	55	421	421	125	55	55	421	421	125	55	55	421	421
324A 92 89	300	125	55	55	411	421	125	55	55	411	421	125	55	55	411	421
336A 92 89	300	126	55	55	421	421	126	55	55	421	421	126	55	55	421	421
345A 92 89	300	125	60	60	421	421	125	60	60	421	421	125	60	60	421	421
354A 92 89	300	124	65	65	421	421	123	70	70	421	421	123	70	70	421	421

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	FY4	SCL	SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
306A 92 89	92	3/8	45	102	102	0 X 0	1/4	0	2310	5110	2410
315A 92 89	92	3/8	42	102	102	0 X 0	1/4	0	5110	2410	5110
324A 92 89	92	3/8	36	102	102	0 X 0	1/4	0	2410	5110	2410
336A 92 89	92	3/8	42	102	102	1/4 X 8	1/4	0	2410	5110	2410
345A 92 89	92	3/8	42	102	102	1/4 X 9	1/4	0	5110	2410	5110
354A 92 89	92	3/8	46	102	102	1/4 X 8	1/4	0	2410	5110	2310

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	FY4	SCL	SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
306A 92 89	91	3/8	45	102	102	1/4 X 8	1/4	0	1311	5110	1411
315A 92 89	91	3/8	42	102	102	1/4 X 8	1/4	0	5110	1411	5110
324A 92 89	91	3/8	42	102	102	0 X 0	1/4	0	1411	5110	1411
336A 92 89	91	3/8	42	102	102	1/4 X 8	1/4	0	1411	5110	1411
345A 92 89	91	3/8	42	102	102	1/4 X 9	1/4	0	5110	1411	5110
354A 92 89	91	3/8	46	102	102	1/4 X 9	1/4	0	1411	5110	1311

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

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	FY4	SCL	SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
306A 92 89	90	3/8	42	102	102	1/4 X 8	1/4	0	1311	5110	1411
315A 92 89	90	3/8	42	102	102	1/4 X 8	1/4	0	5110	1411	5110
324A 92 89	90	3/8	36	102	102	0 X 0	1/4	0	1411	5110	1411
336A 92 89	90	3/8	42	102	102	1/4 X 9	1/4	0	1411	5110	1411
345A 92 89	90	3/8	42	102	102	1/4 X10	1/4	0	5110	1411	5110
354A 92 89	90	3/8	45	102	102	1/4 X 9	1/4	0	1411	5110	1311

4-A1-422

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

PROJECT: THE WORLD TRADE CENTER | TITLE: EXTERIOR WALL PANEL SCHEDULE | DATE: 6-5-67

EVISIONS

PANEL NUMBER	PANEL TYPE	COLUMN 1 TYPE	COL 1 FY1	COL 1 FY2	COL 1 CSU	COL 1 CSL	COLUMN 2 TYPE	COL 2 FY1	COL 2 FY2	COL 2 CSU	COL 2 CSL	COLUMN 3 TYPE	COL 3 FY1	COL 3 FY2	COL 3 CSU	COL 3 CSL
406A 92 89	300	120	80	80	421	421	120	80	80	421	421	120	80	80	421	421
415A 92 89	300	120	75	75	421	421	120	80	80	411	421	121	75	75	411	421
424A 92 89	300	120	70	70	411	411	120	70	70	411	411	120	70	70	411	411
436A 92 89	300	120	75	75	411	411	120	75	75	411	411	120	75	75	411	411
445A 92 89	300	121	80	80	411	421	120	80	80	411	421	120	80	80	421	421
454A 92 89	300	120	80	80	421	421	120	80	80	421	421	120	80	80	421	421

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	FY4	SCL	SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
406A 92 89	92	3/8	50	102	102	1/4 X 8	1/4	0	5110	2210	5110
415A 92 89	92	3/8	50	102	102	0 X 0	1/4	0	2210	5510	5110
424A 92 89	92	3/8	46	101	101	0 X 0	1/4	0	2110	5110	2110
436A 92 89	92	3/8	50	101	102	0 X 0	1/4	0	2110	5110	2110
445A 92 89	92	3/8	55	102	102	0 X 0	1/4	0	5110	5310	2210
454A 92 89	92	3/8	50	102	102	1/4 X 7	1/4	0	5110	2210	5110

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	FY4	SCL	SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
406A 92 89	91	3/8	55	102	102	1/4 X 8	1/4	0	5110	1212	5110
415A 92 89	91	3/8	55	102	102	1/4 X 7	1/4	0	1212	5510	5110
424A 92 89	91	3/8	50	102	101	0 X 0	1/4	0	1111	5110	1111
436A 92 89	91	3/8	50	101	102	0 X 0	1/4	0	1111	5110	1111
445A 92 89	91	3/8	55	102	102	1/4 X 7	1/4	0	5110	5310	1212
454A 92 89	91	3/8	55	102	102	1/4 X 8	1/4	0	5110	1212	5110

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

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	FY4	SCL	SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
406A 92 89	90	3/8	55	102	102	1/4 X 8	1/4	0	5110	1212	5110
415A 92 89	90	3/8	55	102	102	1/4 X 7	1/4	0	1212	5510	5110
424A 92 89	90	3/8	50	102	102	0 X 0	1/4	0	1111	5110	1111
436A 92 89	90	3/8	55	102	102	0 X 0	1/4	0	1111	5110	1111
445A 92 89	90	3/8	55	102	102	1/4 X 7	1/4	0	5110	5310	1212
454A 92 89	90	3/8	55	102	102	1/4 X 8	1/4	0	5110	1212	5110

4-A1-423

WORTHINGTON, SKILLING, HELLE & JACKSON Civil & Structural Engineers

PROJECT: THE WORLD TRADE CENTER | TITLE: EXTERIOR WALL PANEL SCHEDULE | DATE: 6-5-67

REVISIONS

PANEL NUMBER	PANEL TYPE	COLUMN 1 TYPE	COL 1 FY1	COL 1 FY2	COL 1 CSU	COL 1 CSL	COLUMN 2 TYPE	COL 2 FY1	COL 2 FY2	COL 2 CSU	COL 2 CSL	COLUMN 3 TYPE	COL 3 FY1	COL 3 FY2	COL 3 CSU	COL 3 CSL
200A 92 90	210	120	100	100	431	431	520	100	100	0	0	120	100	100	431	431
400A 92 90	210	120	100	100	431	431	520	100	100	0	0	120	100	100	431	431

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	WD NO 6	WD NO 7	SEAT DETAIL COL 1	SEAT COL 2	SEAT COL 3
200A 92 90	92	3/8	70	112	112	1/4 X11	1/4	0	2310	5010	5610
400A 92 90	92	3/8	65	112	112	1/4 X11	1/4	0	2310	5010	5610

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	WD NO 6	WD NO 7	SEAT DETAIL COL 1	SEAT COL 2	SEAT COL 3
200A 92 90	91	3/8	70	112	112	1/4 X12	1/4	0	1313	5010	5610
400A 92 90	91	3/8	70	112	112	1/4 X11	1/4	0	1313	5010	5610

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

4-A1-424

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

PROJECT: THE WORLD TRADE CENTER | TITLE: EXTERIOR WALL PANEL SCHEDULE | DATE: 6-5-67

REVISIONS

PANEL NUMBER	PANEL TYPE	COLUMN 1 TYPE	COL 1 FY1	COL 1 FY2	COL 1 CSU	COL 1 CSL	COLUMN 2 TYPE	COL 2 FY1	COL 2 FY2	COL 2 CSU	COL 2 CSL	COLUMN 3 TYPE	COL 3 FY1	COL 3 FY2	COL 3 CSU	COL 3 CSL
103A 93 90	300	120	85	85	421	421	120	80	80	421	421	121	70	70	421	421
112A 93 90	300	124	60	60	421	421	124	60	60	421	421	124	60	60	421	421
121A 93 90	300	124	55	55	411	421	124	55	55	411	421	124	55	55	411	421
130A 93 90	300	125	50	50	411	421	125	55	55	411	421	125	50	50	411	421
139A 93 90	300	125	55	55	421	421	125	55	55	421	421	125	60	60	421	421
148A 93 90	300	124	60	60	421	421	124	60	60	421	421	124	60	60	421	421
157A 93 90	300	121	75	75	421	421	120	85	85	421	421	120	90	90	421	431

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	FY4	SCL	SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
103A 93 90	93	3/8	60	112	102	1/4 X 8	1/4	0	5110	1311	5210
112A 93 90	93	3/8	42	102	102	0 X 0	1/4	0	1511	5210	1411
121A 93 90	93	3/8	42	102	102	0 X 0	1/4	0	5210	1411	5210
130A 93 90	93	3/8	36	101	102	0 X 0	1/4	0	1411	5210	1411
139A 93 90	93	3/8	42	102	102	0 X 0	1/4	0	5210	1411	5210
148A 93 90	93	3/8	42	102	102	1/4 X 8	1/4	0	1411	5210	1511
157A 93 90	93	3/8	65	102	112	1/4 X 9	1/4	0	5210	1311	5110

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	FY4	SCL	SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
103A 93 90	92	3/8	65	112	102	1/4 X 8	1/4	0	5110	2310	5210
112A 93 90	92	3/8	42	102	102	0 X 0	1/4	0	2510	5210	2410
121A 93 90	92	3/8	36	102	102	0 X 0	1/4	0	5210	2410	5210
130A 93 90	92	3/8	36	102	102	0 X 0	1/4	0	2410	5210	2410
139A 93 90	92	3/8	42	102	102	1/4 X 8	1/4	0	5210	2410	5210
148A 93 90	92	3/8	42	102	102	1/4 X 9	1/4	0	2410	5210	2510
157A 93 90	92	3/8	70	102	112	1/4 X 9	1/4	0	5210	2310	5110

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

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	FY4	SCL	SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
103A 93 90	91	3/8	65	112	102	1/4 X 9	1/4	0	5110	1311	5210
112A 93 90	91	3/8	42	102	102	1/4 X 8	1/4	0	1511	5210	1411
121A 93 90	91	3/8	42	102	102	0 X 0	1/4	0	5210	1411	5210
130A 93 90	91	3/8	36	102	102	0 X 0	1/4	0	1411	5210	1411
139A 93 90	91	3/8	42	102	102	1/4 X 9	1/4	0	5210	1411	5210
148A 93 90	91	3/8	42	102	102	1/4 X 9	1/4	0	1411	5210	1511
157A 93 90	91	3/8	70	102	112	1/4 X10	1/4	0	5210	1311	5110

4-A1-425

WORTHINGTON, SKILLING, HELLE & JACKSON Civil & Structural Engineers

PROJECT THE WORLD TRADE CENTER | TITLE EXTERIOR WALL PANEL SCHEDULE | DATE 6-5-67

REVISIONS

PANEL NUMBER			PANEL TYPE	COLUMN 1					COLUMN 2					COLUMN 3				
				TYPE	FY1	FY2	CSU	CSL	TYPE	FY1	FY2	CSU	CSL	TYPE	FY1	FY2	CSU	CSL
203A	93	90	300	120	85	85	421	431	120	80	80	421	421	120	80	80	421	421
212A	93	90	300	120	75	75	421	421	120	75	75	421	421	120	80	80	421	421
221A	93	90	300	120	80	80	411	421	120	75	75	411	411	120	75	75	411	411
230A	93	90	300	120	70	70	411	411	120	70	70	411	411	120	70	70	411	411
239A	93	90	300	120	70	70	411	411	120	70	70	411	411	120	75	75	411	411
248A	93	90	300	120	75	75	411	421	120	70	70	411	421	120	70	70	411	421
257A	93	90	300	120	75	75	421	421	120	75	75	421	421	120	80	80	421	421

PANEL NUMBER			FLOOR	SPANDREL PLATE				WELDMENTS			SEAT DETAIL		
				T4	FY4	SCL	SCR	NO 5	NO 6	NO 7	COL 1	COL 2	COL 3
203A	93	90	93	3/8	65	112	102	1/4 X 9	1/4	0	1013	5210	5010
212A	93	90	93	3/8	50	102	102	1/4 X 7	1/4	0	5210	5010	5210
221A	93	90	93	3/8	50	102	101	0 X 0	1/4	0	5210	1111	5210
230A	93	90	93	3/8	45	101	101	0 X 0	1/4	0	1111	5210	1111
239A	93	90	93	3/8	46	101	101	0 X 0	1/4	0	5210	1111	5210
248A	93	90	93	3/8	46	102	102	0 X 0	1/4	0	5210	5010	5210
257A	93	90	93	3/8	60	102	112	1/4 X 8	1/4	0	5010	5210	1013

PANEL NUMBER			FLOOR	SPANDREL PLATE				WELDMENTS			SEAT DETAIL		
				T4	FY4	SCL	SCR	NO 5	NO 6	NO 7	COL 1	COL 2	COL 3
203A	93	90	92	3/8	65	112	102	1/4 X 9	1/4	0	2010	5210	5010
212A	93	90	92	3/8	50	102	102	1/4 X 7	1/4	0	5210	5010	5210
221A	93	90	92	3/8	55	102	102	0 X 0	1/4	0	5210	2110	5210
230A	93	90	92	3/8	46	101	101	0 X 0	1/4	0	2110	5210	2110
239A	93	90	92	3/8	50	101	102	0 X 0	1/4	0	5210	2110	5210
248A	93	90	92	3/8	50	102	102	0 X 0	1/4	0	5210	5010	5210
257A	93	90	92	3/8	60	102	112	1/4 X 8	1/4	0	5010	5210	2010

PANEL NUMBER			FLOOR	SPANDREL PLATE				WELDMENTS			SEAT DETAIL		
				T4	FY4	SCL	SCR	NO 5	NO 6	NO 7	COL 1	COL 2	COL 3
203A	93	90	91	3/8	70	112	102	1/4 X10	1/4	0	1013	5210	5010
212A	93	90	91	3/8	55	102	102	1/4 X 8	1/4	0	5210	5010	5210
221A	93	90	91	3/8	55	102	102	0 X 0	1/4	0	5210	1111	5210
230A	93	90	91	3/8	50	101	101	0 X 0	1/4	0	1111	5210	1111
239A	93	90	91	3/8	50	102	102	0 X 0	1/4	0	5210	1111	5210
248A	93	90	91	3/8	50	102	102	1/4 X 7	1/4	0	5210	5010	5210
257A	93	90	91	3/8	65	102	112	1/4 X 8	1/4	0	5010	5210	1013

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

4-A1-426

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

PROJECT: THE WORLD TRADE CENTER | TITLE: EXTERIOR WALL PANEL SCHEDULE | DATE: 6-5-67

REVISIONS

PANEL NUMBER	PANEL TYPE	COLUMN 1 TYPE	COL 1 FY1	COL 1 FY2	COL 1 CSU	COL 1 CSL	COLUMN 2 TYPE	COL 2 FY1	COL 2 FY2	COL 2 CSU	COL 2 CSL	COLUMN 3 TYPE	COL 3 FY1	COL 3 FY2	COL 3 CSU	COL 3 CSL
303A 93 90	300	120	80	80	421	421	120	80	80	421	421	121	70	70	421	421
312A 93 90	300	124	60	60	421	421	124	60	60	421	421	124	60	60	421	421
321A 93 90	300	124	55	55	411	421	124	55	55	411	421	124	55	55	411	421
330A 93 90	300	125	55	55	411	421	125	55	55	411	421	125	55	55	411	421
339A 93 90	300	125	55	55	421	421	125	55	55	421	421	125	60	60	421	421
348A 93 90	300	124	60	60	421	421	124	60	60	421	421	124	60	60	421	421
357A 93 90	300	121	75	75	421	421	120	85	85	421	421	120	85	85	421	431

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	FY4	SCL	SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
303A 93 90	93	3/8	60	112	102	1/4 X 8	1/4	0	5110	1311	5210
312A 93 90	93	3/8	42	102	102	0 X 0	1/4	0	1511	5210	1411
321A 93 90	93	3/8	42	102	102	0 X 0	1/4	0	5210	1411	5210
330A 93 90	93	3/8	36	101	102	0 X 0	1/4	0	1411	5210	1411
339A 93 90	93	3/8	42	102	102	0 X 0	1/4	0	5210	1411	5210
348A 93 90	93	3/8	42	102	102	1/4 X 8	1/4	0	1411	5210	1511
357A 93 90	93	3/8	65	102	112	1/4 X 9	1/4	0	5210	1311	5110

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	FY4	SCL	SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
303A 93 90	92	3/8	65	112	102	1/4 X 8	1/4	0	5110	2310	5210
~~312A 93 90~~	~~92~~	~~3/8~~	~~42~~	~~102~~	~~102~~	~~0 X 0~~	~~1/4~~	~~0~~	~~2510~~	~~5210~~	~~2410~~
321A 93 90	92	3/8	36	102	102	0 X 0	1/4	0	5210	2410	5210
330A 93 90	92	3/8	42	102	102	0 X 0	1/4	0	2410	5210	2410
339A 93 90	92	3/8	42	102	102	1/4 X 8	1/4	0	5210	2410	5210
348A 93 90	92	3/8	42	102	102	1/4 X 8	1/4	0	2410	5210	2510
357A 93 90	92	3/8	65	102	112	1/4 X 9	1/4	0	5210	2310	5110

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

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	FY4	SCL	SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
303A 93 90	91	3/8	65	112	102	1/4 X 9	1/4	0	5110	1311	5210
312A 93 90	91	3/8	42	102	102	1/4 X 8	1/4	0	1511	5210	1411
321A 93 90	91	3/8	42	102	102	0 X 0	1/4	0	5210	1411	5210
330A 93 90	91	3/8	36	102	102	0 X 0	1/4	0	1411	5210	1411
339A 93 90	91	3/8	42	102	102	1/4 X 8	1/4	0	5210	1411	5210
348A 93 90	91	3/8	42	102	102	1/4 X 9	1/4	0	1411	5210	1511
357A 93 90	91	3/8	70	102	112	1/4 X10	1/4	0	5210	1311	5110

4-A1-427

WORTHINGTON, SKILLING, HELLE & JACKSON Civil & Structural Engineers

PROJECT: THE WORLD TRADE CENTER | TITLE: EXTERIOR WALL PANEL SCHEDULE | DATE: 6-5-67

REVISIONS

PANEL NUMBER	PANEL TYPE	COLUMN 1 TYPE	COL 1 FY1	COL 1 FY2	COL 1 CSU	COL 1 CSL	COLUMN 2 TYPE	COL 2 FY1	COL 2 FY2	COL 2 CSU	COL 2 CSL	COLUMN 3 TYPE	COL 3 FY1	COL 3 FY2	COL 3 CSU	COL 3 CSL
403A 93 90	300	120	85	85	421	421	120	75	75	421	421	120	75	75	421	421
412A 93 90	300	120	75	75	421	421	120	75	75	411	421	120	75	75	411	421
421A 93 90	300	120	75	75	411	421	120	70	70	411	411	120	70	70	411	411
430A 93 90	300	120	70	70	411	411	120	70	70	411	411	120	70	70	411	411
439A 93 90	300	120	75	75	411	411	120	75	75	411	411	120	80	80	411	421
448A 93 90	300	120	75	75	411	421	120	75	75	411	421	120	75	75	411	421
457A 93 90	300	120	75	75	421	421	120	75	75	421	421	120	85	85	421	421

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	WELD NO 6	WELD NO 7	SEAT DETAIL COL 1	SEAT COL 2	SEAT COL 3
403A 93 90	93	3/8	60	112	102	1/4 X 8	1/4	0	1013	5210	5010
412A 93 90	93	3/8	50	102	102	0 X 0	1/4	0	5210	5010	5210
421A 93 90	93	3/8	46	102	101	0 X 0	1/4	0	5210	1111	5210
430A 93 90	93	3/8	45	101	101	0 X 0	1/4	0	1111	5210	1111
439A 93 90	93	3/8	50	101	102	0 X 0	1/4	0	5210	1111	5210
448A 93 90	93	3/8	50	102	102	0 X 0	1/4	0	5210	5010	5210
457A 93 90	93	3/8	60	102	112	1/4 X 8	1/4	0	5010	5210	1013

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	WELD NO 6	WELD NO 7	SEAT DETAIL COL 1	SEAT COL 2	SEAT COL 3
403A 93 90	92	3/8	65	112	102	1/4 X 9	1/4	0	2010	5210	5010
~~412A 93 90~~	~~92~~	~~3/8~~	~~50~~	~~102~~	~~102~~	~~1/4 X 7~~	~~1/4~~	~~0~~	~~5210~~	~~5010~~	~~5210~~
421A 93 90	92	3/8	50	102	101	0 X 0	1/4	0	5210	2110	5210
430A 93 90	92	3/8	46	101	101	0 X 0	1/4	0	2110	5210	2110
439A 93 90	92	3/8	55	102	102	0 X 0	1/4	0	5210	2110	5210
448A 93 90	92	3/8	50	102	102	1/4 X 7	1/4	0	5210	5010	5210
457A 93 90	92	3/8	65	102	112	1/4 X 8	1/4	0	5010	5210	2010

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

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	WELD NO 6	WELD NO 7	SEAT DETAIL COL 1	SEAT COL 2	SEAT COL 3
403A 93 90	91	3/8	65	112	102	1/4 X 9	1/4	0	1013	5210	5010
412A 93 90	91	3/8	50	102	102	1/4 X 7	1/4	0	5210	5010	5210
421A 93 90	91	3/8	50	102	102	0 X 0	1/4	0	5210	1111	5210
430A 93 90	91	3/8	50	101	101	0 X 0	1/4	0	1111	5210	1111
439A 93 90	91	3/8	55	102	102	0 X 0	1/4	0	5210	1111	5210
448A 93 90	91	3/8	55	102	102	1/4 X 7	1/4	0	5210	5010	5210
457A 93 90	91	3/8	65	102	112	1/4 X 9	1/4	0	5010	5210	1013

4-A1-428

WORTHINGTON, SKILLING, HELLE & JACKSON Civil & Structural Engineers

PROJECT: THE WORLD TRADE CENTER | TITLE: EXTERIOR WALL PANEL SCHEDULE | DATE: 6-5-67

REVISIONS

PANEL NUMBER	PANEL TYPE	COLUMN 1 TYPE	COL 1 FY1	COL 1 FY2	COL 1 CSU	COL 1 CSL	COLUMN 2 TYPE	COL 2 FY1	COL 2 FY2	COL 2 CSU	COL 2 CSL	COLUMN 3 TYPE	COL 3 FY1	COL 3 FY2	COL 3 CSU	COL 3 CSL
100A 93 91	210	120	100	100	421	431	520	100	100	0	0	120	100	100	421	431
300A 93 91	210	120	100	100	421	431	520	100	100	0	0	120	90	90	421	431

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SPD FY4	SPD SCL	SPD SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
100A 93 91	93	3/8	65	112	112	1/4 X10	1/4	0	5410	5010	1313
300A 93 91	93	3/8	65	112	112	1/4 X 9	1/4	0	5410	5010	1313

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SPD FY4	SPD SCL	SPD SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
100A 93 91	92	3/8	65	112	112	1/4 X10	1/4	0	5410	5010	2310
300A 93 91	92	3/8	65	112	112	1/4 X10	1/4	0	5410	5010	2310

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

4-A1-429

WORTHINGTON, SKILLING, HELLE & JACKSON Civil & Structural Engineers

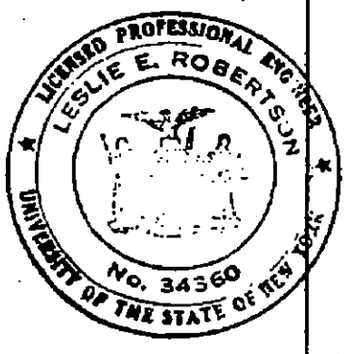
PROJECT THE WORLD TRADE CENTER | TITLE EXTERIOR WALL PANEL SCHEDULE | DATE 6-5-67

REVISIONS

PANEL NUMBER	PANEL TYPE	COLUMN 1 TYPE	COL 1 FY1	COL 1 FY2	COL 1 CSU	COL 1 CSL	COLUMN 2 TYPE	COL 2 FY1	COL 2 FY2	COL 2 CSU	COL 2 CSL	COLUMN 3 TYPE	COL 3 FY1	COL 3 FY2	COL 3 CSU	COL 3 CSL
109A 94 91	300	123	60	60	421	421	123	60	60	411	421	124	60	60	411	421
118A 94 91	300	124	55	55	411	421	124	55	55	411	421	124	55	55	411	421
127A 94 91	300	124	55	55	411	411	124	55	55	411	411	124	50	50	411	411
133A 94 91	300	125	50	50	411	421	125	55	55	411	421	125	55	55	411	421
142A 94 91	300	124	60	60	421	421	124	60	60	421	421	124	60	60	421	421
151A 94 91	300	124	60	60	421	421	123	65	65	421	421	123	65	65	421	421

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
109A 94 91	94	3/8	42	102	102	0 X 0	1/4	0	5210	1411	5210
118A 94 91	94	3/8	42	102	102	0 X 0	1/4	0	1411	5210	1411
127A 94 91	94	3/8	36	101	101	0 X 0	1/4	0	5110	1411	5210
133A 94 91	94	3/8	36	102	102	0 X 0	1/4	0	5210	1411	5110
142A 94 91	94	3/8	42	102	102	0 X 0	1/4	0	1411	5210	1411
151A 94 91	94	3/8	45	102	102	0 X 0	1/4	0	5210	1411	5210

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
109A 94 91	93	3/8	42	102	102	0 X 0	1/4	0	5210	1411	5210
118A 94 91	93	3/8	42	102	102	0 X 0	1/4	0	1411	5210	1411
127A 94 91	93	3/8	36	101	101	0 X 0	1/4	0	5110	1411	5210
133A 94 91	93	3/8	36	102	102	0 X 0	1/4	0	5210	1411	5110
142A 94 91	93	3/8	42	102	102	1/4 X 8	1/4	0	1411	5210	1411
151A 94 91	93	3/8	42	102	102	1/4 X 8	1/4	0	5210	1411	5210



PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
109A 94 91	92	3/8	42	102	102	0 X 0	1/4	0	5210	2410	5210
118A 94 91	92	3/8	36	102	102	0 X 0	1/4	0	2410	5210	2410
127A 94 91	92	3/8	36	102	102	0 X 0	1/4	0	5110	2410	5210
133A 94 91	92	3/8	36	102	102	0 X 0	1/4	0	5210	2410	5110
142A 94 91	92	3/8	42	102	102	1/4 X 8	1/4	0	2410	5210	2410
151A 94 91	92	3/8	45	102	102	1/4 X 8	1/4	0	5210	2410	5210

4-A1-430

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

PROJECT: THE WORLD TRADE CENTER | TITLE: EXTERIOR WALL PANEL SCHEDULE | DATE: 6-5-67

REVISIONS

PANEL NUMBER	PANEL TYPE	COLUMN 1					COLUMN 2					COLUMN 3				
		TYPE	FY1	FY2	CSU	CSL	TYPE	FY1	FY2	CSU	CSL	TYPE	FY1	FY2	CSU	CSL
209A 94 91	300	120	75	75	421	421	120	75	75	421	421	120	75	75	421	421
218A 94 91	300	120	80	80	411	421	120	75	75	411	421	120	75	75	411	421
227A 94 91	300	120	70	70	411	411	120	70	70	411	411	120	70	70	411	411
233A 94 91	300	120	65	65	411	411	120	65	65	411	411	120	65	65	411	411
242A 94 91	300	120	70	70	411	411	120	70	70	411	411	120	75	75	411	411
251A 94 91	300	120	70	70	411	421	120	70	70	411	421	120	70	70	411	421

PANEL NUMBER	FLOUR	SPANDREL PLATE				WELDMENTS			SEAT DETAIL		
		T4	FY4	SCL	SCR	NO 5	NO 6	NO 7	COL 1	COL 2	COL 3
209A 94 91	94	3/8	50	102	102	1/4 X 7	1/4	0	5010	5210	1212
218A 94 91	94	3/8	50	102	101	0 X 0	1/4	0	1611	5210	1111
227A 94 91	94	3/8	45	101	101	0 X 0	1/4	0	5110	1111	5210
233A 94 91	94	3/8	42	101	101	0 X 0	1/4	0	5210	1111	5110
242A 94 91	94	3/8	46	101	101	0 X 0	1/4	0	1111	5210	1611
251A 94 91	94	3/8	45	102	102	0 X 0	1/4	0	1212	5210	5010

PANEL NUMBER	FLOUR	SPANDREL PLATE				WELDMENTS			SEAT DETAIL		
		T4	FY4	SCL	SCR	NO 5	NO 6	NO 7	COL 1	COL 2	COL 3
209A 94 91	93	3/8	50	102	102	1/4 X 7	1/4	0	5010	5210	1212
218A 94 91	93	3/8	50	102	102	0 X 0	1/4	0	1611	5210	1111
227A 94 91	93	3/8	46	101	101	0 X 0	1/4	0	5110	1111	5210
233A 94 91	93	3/8	45	101	101	0 X 0	1/4	0	5210	1111	5110
242A 94 91	93	3/8	50	101	102	0 X 0	1/4	0	1111	5210	1611
251A 94 91	93	3/8	46	102	102	0 X 0	1/4	0	1212	5210	5010

LICENSED PROFESSIONAL ENGINEER
LESLIE E. ROBERTSON
No. 54960
UNIVERSITY OF THE STATE OF NEW YORK

PANEL NUMBER	FLOOR	SPANDREL PLATE				WELDMENTS			SEAT DETAIL		
		T4	FY4	SCL	SCR	NO 5	NO 6	NO 7	COL 1	COL 2	COL 3
209A 94 91	92	3/8	55	102	102	1/4 X 7	1/4	0	5010	5210	2210
218A 94 91	92	3/8	55	102	102	0 X 0	1/4	0	2610	5210	2110
227A 94 91	92	3/8	50	101	101	0 X 0	1/4	0	5110	2110	5210
233A 94 91	92	3/8	45	101	101	0 X 0	1/4	0	5210	2110	5110
242A 94 91	92	3/8	50	102	102	0 X 0	1/4	0	2110	5210	2610
251A 94 91	92	3/8	50	102	102	1/4 X 7	1/4	0	2210	5210	5010

4-A1-431

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

PROJECT: THE WORLD TRADE CENTER | TITLE: EXTERIOR WALL PANEL SCHEDULE | DATE: 6-5-67

DIVISIONS

PANEL NUMBER	PANEL TYPE	COLUMN 1 TYPE	COL 1 FY1	COL 1 FY2	COL 1 CSU	COL 1 CSL	COLUMN 2 TYPE	COL 2 FY1	COL 2 FY2	COL 2 CSU	COL 2 CSL	COLUMN 3 TYPE	COL 3 FY1	COL 3 FY2	COL 3 CSU	COL 3 CSL
309A 94 91	300	123	60	60	411	421	123	60	60	411	421	124	60	60	411	421
318A 94 91	300	124	60	60	411	421	124	55	55	411	421	124	55	55	411	421
327A 94 91	300	124	55	55	411	411	124	55	55	411	411	124	55	55	411	411
333A 94 91	300	125	55	55	411	421	125	55	55	411	421	125	55	55	411	421
342A 94 91	300	124	60	60	421	421	124	60	60	421	421	124	60	60	421	421
351A 94 91	300	124	60	60	421	421	123	65	65	421	421	123	65	65	421	421

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	FY4	SCL	SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
309A 94 91	94	3/8	42	102	102	0 X 0	1/4	0	5210	1411	5210
318A 94 91	94	3/8	42	102	101	0 X 0	1/4	0	1411	5210	1411
327A 94 91	94	3/8	42	101	101	0 X 0	1/4	0	5110	1411	5210
333A 94 91	94	3/8	36	101	102	0 X 0	1/4	0	5210	1411	5110
342A 94 91	94	3/8	42	102	102	0 X 0	1/4	0	1411	5210	1411
351A 94 91	94	3/8	45	102	102	0 X 0	1/4	0	5210	1411	5210

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	FY4	SCL	SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
309A 94 91	93	3/8	42	102	102	0 X 0	1/4	0	5210	1411	5210
318A 94 91	93	3/8	42	102	102	0 X 0	1/4	0	1411	5210	1411
327A 94 91	93	3/8	42	101	101	0 X 0	1/4	0	5110	1411	5210
333A 94 91	93	3/8	42	102	102	0 X 0	1/4	0	5210	1411	5110
342A 94 91	93	3/8	42	102	102	0 X 0	1/4	0	1411	5210	1411
351A 94 91	93	3/8	42	102	102	1/4 X 8	1/4	0	5210	1411	5210

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

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	FY4	SCL	SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
309A 94 91	92	3/8	42	102	102	0 X 0	1/4	0	5210	2410	5210
318A 94 91	92	3/8	42	102	102	0 X 0	1/4	0	2410	5210	2410
327A 94 91	92	3/8	36	102	102	0 X 0	1/4	0	5110	2410	5210
333A 94 91	92	3/8	36	102	102	0 X 0	1/4	0	5210	2410	5110
342A 94 91	92	3/8	42	102	102	1/4 X 8	1/4	0	2410	5210	2410
351A 94 91	92	3/8	45	102	102	1/4 X 8	1/4	0	5210	2410	5210

4-A1-432

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

PROJECT: THE WORLD TRADE CENTER | TITLE: EXTERIOR WALL PANEL SCHEDULE | DATE: 6-5-67

EVISIONS

PANEL NUMBER	PANEL TYPE	COLUMN 1 TYPE	COL 1 FY1	COL 1 FY2	COL 1 CSU	COL 1 CSL	COLUMN 2 TYPE	COL 2 FY1	COL 2 FY2	COL 2 CSU	COL 2 CSL	COLUMN 3 TYPE	COL 3 FY1	COL 3 FY2	COL 3 CSU	COL 3 CSL
409A 94 91	300	120	75	75	421	421	120	75	75	411	421	120	70	70	411	421
418A 94 91	300	120	75	75	411	421	120	75	75	411	411	120	70	70	411	411
427A 94 91	300	120	65	65	411	411	120	65	65	411	411	120	65	65	411	411
433A 94 91	300	120	70	70	411	411	120	70	70	411	411	120	70	70	411	411
442A 94 91	300	120	75	75	411	411	120	75	75	411	411	120	75	75	411	421
451A 94 91	300	120	75	75	411	421	120	75	75	411	421	120	75	75	411	421

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
409A 94 91	94	3/8	46	102	102	0 X 0	1/4	0	5010	5210	1212
418A 94 91	94	3/8	46	102	101	0 X 0	1/4	0	1611	5210	1111
427A 94 91	94	3/8	42	101	101	0 X 0	1/4	0	5110	1111	5210
433A 94 91	94	3/8	45	101	101	0 X 0	1/4	0	5210	1111	5110
442A 94 91	94	3/8	50	101	102	0 X 0	1/4	0	1111	5210	1611
451A 94 91	94	3/8	50	102	102	0 X 0	1/4	0	1212	5210	5010

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
409A 94 91	93	3/8	50	102	102	1/4 X 7	1/4	0	5010	5210	1212
418A 94 91	93	3/8	50	102	102	0 X 0	1/4	0	1611	5210	1111
427A 94 91	93	3/8	45	101	101	0 X 0	1/4	0	5110	1111	5210
433A 94 91	93	3/8	46	101	101	0 X 0	1/4	0	5210	1111	5110
442A 94 91	93	3/8	50	102	102	0 X 0	1/4	0	1111	5210	1611
451A 94 91	93	3/8	50	102	102	0 X 0	1/4	0	1212	5210	5010

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

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
409A 94 91	92	3/8	50	102	102	1/4 X 7	1/4	0	5010	5210	2210
418A 94 91	92	3/8	50	102	102	0 X 0	1/4	0	2610	5210	2110
427A 94 91	92	3/8	45	101	101	0 X 0	1/4	0	5110	2110	5210
433A 94 91	92	3/8	50	101	101	0 X 0	1/4	0	5210	2110	5110
442A 94 91	92	3/8	55	102	102	0 X 0	1/4	0	2110	5210	2610
451A 94 91	92	3/8	50	102	102	1/4 X 7	1/4	0	2210	5210	5010

4-A1-433

WORTHINGTON, SKILLING, HELLE & JACKSON Civil & Structural Engineers

PROJECT THE WORLD TRADE CENTER | TITLE EXTERIOR WALL PANEL SCHEDULE | DATE 6-5-67

REVISIONS

PANEL NUMBER	PANEL TYPE	COLUMN 1					COLUMN 2					COLUMN 3				
		TYPE	FY1	FY2	CSU	CSL	TYPE	FY1	FY2	CSU	CSL	TYPE	FY1	FY2	CSU	CSL
200A 94 92	210	120	100	100	421	431	520	100	100	0	0	120	100	100	421	431
400A 94 92	210	120	100	100	421	431	520	100	100	0	0	120	100	100	421	431

PANEL NUMBER	FLOOR	SPANDREL PLATE				WELDMENTS			SEAT DETAIL		
		T4	FY4	SCL	SCR	NO 5	NO 6	NO 7	COL 1	COL 2	COL 3
200A 94 92	94	3/8	65	112	112	1/4 X10	1/4	0	1313	5010	5610
400A 94 92	94	3/8	65	112	112	1/4 X10	1/4	0	1313	5010	5610

PANEL NUMBER	FLOOR	SPANDREL PLATE				WELDMENTS			SEAT DETAIL		
		T4	FY4	SCL	SCR	NO 5	NO 6	NO 7	COL 1	COL 2	COL 3
200A 94 92	93	3/8	65	112	112	1/4 X10	1/4	0	1313	5010	5610
400A 94 92	93	3/8	65	112	112	1/4 X10	1/4	0	1313	5010	5610

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

4-A1-434

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

PROJECT	TITLE	DATE
THE WORLD TRADE CENTER	EXTERIOR WALL PANEL SCHEDULE	6-5-67

REVISIONS

PANEL NUMBER	PANEL TYPE	COLUMN 1 TYPE	COL 1 FY1	COL 1 FY2	COL 1 CSU	COL 1 CSL	COLUMN 2 TYPE	COL 2 FY1	COL 2 FY2	COL 2 CSU	COL 2 CSL	COLUMN 3 TYPE	COL 3 FY1	COL 3 FY2	COL 3 CSU	COL 3 CSL
106A 95 92	300	122	65	65	411	421	122	65	65	411	421	122	65	65	411	421
115A 95 92	300	123	60	60	411	421	123	60	60	411	421	123	60	60	411	421
124A 95 92	300	123	55	55	411	411	123	55	55	411	411	123	55	55	411	411
136A 95 92	300	124	55	55	411	421	124	55	55	411	421	124	55	55	411	421
145A 95 92	300	123	60	60	421	421	123	60	60	421	421	123	65	65	421	421
154A 95 92	300	122	70	70	421	421	122	70	70	421	421	122	70	70	421	421

PANEL NUMBER	FLOUR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	WELD NO 6	WELD NO 7	SEAT DETAIL COL 1	SEAT COL 2	SEAT COL 3
106A 95 92	95	3/8	45	102	102	1/4 X 7	1/4	0	1311	5110	1411
115A 95 92	95	3/8	42	102	102	0 X 0	1/4	0	5110	1411	5110
124A 95 92	95	3/8	42	101	101	0 X 0	1/4	0	1411	5110	1411
136A 95 92	95	3/8	42	102	102	0 X 0	1/4	0	1411	5110	1411
145A 95 92	95	3/8	42	102	102	0 X 0	1/4	0	5110	1411	5110
154A 95 92	95	3/8	46	102	102	1/4 X 8	1/4	0	1411	5110	1311

PANEL NUMBER	FLOUR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	WELD NO 6	WELD NO 7	SEAT DETAIL COL 1	SEAT COL 2	SEAT COL 3
106A 95 92	94	3/8	45	102	102	1/4 X 7	1/4	0	1311	5110	1411
~~115A 95 92~~	~~94~~	~~3/8~~	~~42~~	~~102~~	~~102~~	~~0 X 0~~	~~1/4~~	~~0~~	~~5110~~	~~1411~~	~~5110~~
124A 95 92	94	3/8	36	101	101	0 X 0	1/4	0	1411	5110	1411
136A 95 92	94	3/8	36	102	102	0 X 0	1/4	0	1411	5110	1411
145A 95 92	94	3/8	42	102	102	0 X 0	1/4	0	5110	1411	5110
154A 95 92	94	3/8	50	102	102	1/4 X 8	1/4	0	1411	5110	1311

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

PANEL NUMBER	FLOUR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	WELD NO 6	WELD NO 7	SEAT DETAIL COL 1	SEAT COL 2	SEAT COL 3
106A 95 92	93	3/8	42	102	102	1/4 X 8	1/4	0	1311	5110	1411
115A 95 92	93	3/8	42	102	102	0 X 0	1/4	0	5110	1411	5110
124A 95 92	93	3/8	42	102	101	0 X 0	1/4	0	1411	5110	1411
136A 95 92	93	3/8	42	102	102	0 X 0	1/4	0	1411	5110	1411
145A 95 92	93	3/8	42	102	102	1/4 X 8	1/4	0	5110	1411	5110
154A 95 92	93	3/8	45	102	102	1/4 X 9	1/4	0	1411	5110	1311

4-A1-435

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

PROJECT: THE WORLD TRADE CENTER | TITLE: EXTERIOR WALL PANEL SCHEDULE | DATE: 6-5-67

REVISIONS

PANEL NUMBER	PANEL TYPE	COLUMN 1 TYPE	FY1	FY2	CSU	CSL	COLUMN 2 TYPE	FY1	FY2	CSU	CSL	COLUMN 3 TYPE	FY1	FY2	CSU	CSL
206A 95 92	300	120	75	75	421	421	120	75	75	411	421	120	75	75	411	421
215A 95 92	300	120	75	75	411	421	120	75	75	411	421	120	75	75	411	421
224A 95 92	300	120	70	70	411	411	120	70	70	411	411	120	70	70	411	411
236A 95 92	300	120	65	65	411	411	120	65	65	411	411	120	65	65	411	411
245A 95 92	300	120	70	70	411	411	120	70	70	411	411	120	70	70	411	411
254A 95 92	300	120	70	70	411	421	120	70	70	411	421	120	70	70	411	421

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	FY4	SCL	SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
206A 95 92	95	3/8	46	102	102	0 X 0	1/4	0	5110	1212	5110
215A 95 92	95	3/8	50	102	101	0 X 0	1/4	0	1212	5510	5110
224A 95 92	95	3/8	45	101	101	0 X 0	1/4	0	1111	5110	1111
236A 95 92	95	3/8	42	101	101	0 X 0	1/4	0	1111	5110	1111
245A 95 92	95	3/8	45	101	101	0 X 0	1/4	0	5110	5310	1212
254A 95 92	95	3/8	45	102	102	0 X 0	1/4	0	5110	1212	5110

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	FY4	SCL	SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
206A 95 92	94	3/8	50	102	102	1/4 X 7	1/4	0	5110	1212	5110
215A 95 92	94	3/8	50	102	102	0 X 0	1/4	0	1212	5510	5110
224A 95 92	94	3/8	46	101	101	0 X 0	1/4	0	1111	5110	1111
236A 95 92	94	3/8	45	101	101	0 X 0	1/4	0	1111	5110	1111
245A 95 92	94	3/8	46	101	102	0 X 0	1/4	0	5110	5310	1212
254A 95 92	94	3/8	45	102	102	0 X 0	1/4	0	5110	1212	5110

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

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	FY4	SCL	SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
206A 95 92	93	3/8	50	102	102	1/4 X 7	1/4	0	5110	1212	5110
215A 95 92	93	3/8	50	102	102	0 X 0	1/4	0	1212	5510	5110
224A 95 92	93	3/8	50	101	101	0 X 0	1/4	0	1111	5110	1111
236A 95 92	93	3/8	45	101	101	0 X 0	1/4	0	1111	5110	1111
245A 95 92	93	3/8	50	102	102	0 X 0	1/4	0	5110	5310	1212
254A 95 92	93	3/8	50	102	102	0 X 0	1/4	0	5110	1212	5110

4-A1-436

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

PROJECT: THE WORLD TRADE CENTER | TITLE: EXTERIOR WALL PANEL SCHEDULE | DATE: 6-5-67

EVISIONS

PANEL NUMBER	PANEL TYPE	COLUMN 1 TYPE	COL 1 FY1	COL 1 FY2	COL 1 CSU	COL 1 CSL	COLUMN 2 TYPE	COL 2 FY1	COL 2 FY2	COL 2 CSU	COL 2 CSL	COLUMN 3 TYPE	COL 3 FY1	COL 3 FY2	COL 3 CSU	COL 3 CSL
306A 95 92	300	122	65	65	411	421	122	65	65	411	421	122	65	65	411	421
315A 95 92	300	123	60	60	411	421	123	60	60	411	421	123	60	60	411	421
324A 95 92	300	123	55	55	411	411	123	55	55	411	411	123	55	55	411	411
336A 95 92	300	124	55	55	411	421	124	55	55	411	421	124	55	55	411	421
345A 95 92	300	123	65	65	411	421	123	65	65	411	421	123	65	65	421	421
354A 95 92	300	122	70	70	421	421	122	70	70	421	421	122	70	70	421	421

PANEL NUMBER	FLOUR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
306A 95 92	95	3/8	45	102	102	0 X 0	1/4	0	1311	5110	1411
315A 95 92	95	3/8	42	102	101	0 X 0	1/4	0	5110	1411	5110
324A 95 92	95	3/8	42	101	101	0 X 0	1/4	0	1411	5110	1411
336A 95 92	95	3/8	42	101	102	0 X 0	1/4	0	1411	5110	1411
345A 95 92	95	3/8	42	102	102	0 X 0	1/4	0	5110	1411	5110
354A 95 92	95	3/8	46	102	102	1/4 X 8	1/4	0	1411	5110	1311

PANEL NUMBER	FLOUR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
306A 95 92	94	3/8	45	102	102	1/4 X 7	1/4	0	1311	5110	1411
~~315A 95 92~~	~~94~~	~~3/8~~	~~42~~	~~102~~	~~102~~	~~0 X 0~~	~~1/4~~	~~0~~	~~5110~~	~~1411~~	~~5110~~
324A 95 92	94	3/8	36	101	101	0 X 0	1/4	0	1411	5110	1411
336A 95 92	94	3/8	42	102	102	0 X 0	1/4	0	1411	5110	1411
345A 95 92	94	3/8	42	102	102	0 X 0	1/4	0	5110	1411	5110
354A 95 92	94	3/8	50	102	102	1/4 X 8	1/4	0	1411	5110	1311

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

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
306A 95 92	93	3/8	42	102	102	1/4 X 8	1/4	0	1311	5110	1411
315A 95 92	93	3/8	42	102	102	0 X 0	1/4	0	5110	1411	5110
324A 95 92	93	3/8	42	102	101	0 X 0	1/4	0	1411	5110	1411
336A 95 92	93	3/8	42	102	102	0 X 0	1/4	0	1411	5110	1411
345A 95 92	93	3/8	42	102	102	0 X 0	1/4	0	5110	1411	5110
354A 95 92	93	3/8	45	102	102	1/4 X 9	1/4	0	1411	5110	1311

4-A1-437

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

PROJECT: THE WORLD TRADE CENTER | TITLE: EXTERIOR WALL PANEL SCHEDULE | DATE: 6-5-67

DIVISIONS

PANEL NUMBER	PANEL TYPE	COLUMN 1 TYPE	COL 1 FY1	COL 1 FY2	COL 1 CSU	COL 1 CSL	COLUMN 2 TYPE	COL 2 FY1	COL 2 FY2	COL 2 CSU	COL 2 CSL	COLUMN 3 TYPE	COL 3 FY1	COL 3 FY2	COL 3 CSU	COL 3 CSL
406A 95 92	300	120	70	70	411	421	120	70	70	411	421	120	70	70	411	421
415A 95 92	300	120	70	70	411	421	120	70	70	411	411	120	70	70	411	411
424A 95 92	300	120	65	65	411	411	120	65	65	411	411	120	65	65	411	411
436A 95 92	300	120	70	70	411	411	120	70	70	411	411	120	70	70	411	411
445A 95 92	300	120	75	75	411	411	120	75	75	411	411	120	75	75	411	421
454A 95 92	300	120	70	70	411	421	120	70	70	411	421	120	70	70	411	421

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
406A 95 92	95	3/8	45	102	102	0 X 0	1/4	0	5110	1212	5110
415A 95 92	95	3/8	45	102	101	0 X 0	1/4	0	1212	5510	5110
424A 95 92	95	3/8	42	101	101	0 X 0	1/4	0	1111	5110	1111
436A 95 92	95	3/8	45	101	101	0 X 0	1/4	0	1111	5110	1111
445A 95 92	95	3/8	50	101	101	0 X 0	1/4	0	5110	5310	1212
454A 95 92	95	3/8	46	102	102	0 X 0	1/4	0	5110	1212	5110

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
406A 95 92	94	3/8	46	102	102	1/4 X 7	1/4	0	5110	1212	5110
415A 95 92	94	3/8	46	102	102	0 X 0	1/4	0	1212	5510	5110
424A 95 92	94	3/8	45	101	101	0 X 0	1/4	0	1111	5110	1111
436A 95 92	94	3/8	46	101	101	0 X 0	1/4	0	1111	5110	1111
445A 95 92	94	3/8	50	102	102	0 X 0	1/4	0	5110	5310	1212
454A 95 92	94	3/8	50	102	102	0 X 0	1/4	0	5110	1212	5110

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

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
406A 95 92	93	3/8	50	102	102	1/4 X 7	1/4	0	5110	1212	5110
415A 95 92	93	3/8	50	102	102	0 X 0	1/4	0	1212	5510	5110
424A 95 92	93	3/8	45	101	101	0 X 0	1/4	0	1111	5110	1111
436A 95 92	93	3/8	50	101	101	0 X 0	1/4	0	1111	5110	1111
445A 95 92	93	3/8	50	102	102	0 X 0	1/4	0	5110	5310	1212
454A 95 92	93	3/8	50	102	102	1/4 X 7	1/4	0	5110	1212	5110

4-A1-438

WORTHINGTON, SKILLING, HELLE & JACKSON Civil & Structural Engineers

PROJECT	TITLE	DATE
THE WORLD TRADE CENTER	EXTERIOR WALL PANEL SCHEDULE	6-5-67

REVISIONS

PANEL NUMBER			PANEL TYPE	COLUMN 1					COLUMN 2					COLUMN 3				
				TYPE	FY1	FY2	CSU	CSL	TYPE	FY1	FY2	CSU	CSL	TYPE	FY1	FY2	CSU	CSL
100A	95	93	210	120	90	90	421	421	520	90	90	0	0	120	85	85	421	421
300A	95	93	210	120	85	85	421	421	520	85	85	0	0	120	85	85	421	421

PANEL NUMBER			FLOOR	SPANDREL PLATE				WELDMENTS			SEAT DETAIL		
				T4	FY4	SCL	SCR	NO 5	NO 6	NO 7	COL 1	COL 2	COL 3
100A	95	93	95	3/8	60	111	111	1/4 X 8	1/4	0	5410	5010	1313
300A	95	93	95	3/8	60	111	111	1/4 x 8	1/4	0	5410	5010	1313

PANEL NUMBER			FLOOR	SPANDREL PLATE				WELDMENTS			SEAT DETAIL		
				T4	FY4	SCL	SCR	NO 5	NO 6	NO 7	COL 1	COL 2	COL 3
100A	95	93	94	3/8	60	112	112	1/4 X 9	1/4	0	5410	5010	1313
300A	95	93	94	3/8	60	111	111	1/4 X 9	1/4	0	5410	5010	1313

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

4-A1-439

WORTHINGTON, SKILLING, HELLE & JACKSON Civil & Structural Engineers

PROJECT: THE WORLD TRADE CENTER | TITLE: EXTERIOR WALL PANEL SCHEDULE | DATE: 6-5-67

REVISIONS

PANEL NUMBER	PANEL TYPE	COLUMN 1 TYPE	COL 1 FY1	COL 1 FY2	COL 1 CSU	COL 1 CSL	COLUMN 2 TYPE	COL 2 FY1	COL 2 FY2	COL 2 CSU	COL 2 CSL	COLUMN 3 TYPE	COL 3 FY1	COL 3 FY2	COL 3 CSU	COL 3 CSL
103A 96 93	300	120	75	75	421	421	120	70	70	411	421	120	75	75	411	421
112A 96 93	300	123	60	60	411	421	123	60	60	411	421	123	60	60	411	421
121A 96 93	300	123	55	55	411	411	123	55	55	411	411	123	55	55	411	411
130A 96 93	300	123	55	55	411	411	123	55	55	411	411	124	50	50	411	411
139A 96 93	300	124	55	55	411	421	124	55	55	411	421	123	60	60	411	421
148A 96 93	300	123	65	65	411	421	123	65	65	411	421	123	65	65	411	421
157A 96 93	300	120	80	80	411	421	120	75	75	411	421	120	80	80	421	421

PANEL NUMBER	FLOUR	SPANDREL PLATE T4	FY4	SCL	SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
103A 96 93	96	3/8	55	111	102	0 X 0	1/4	0	5110	1311	5210
112A 96 93	96	3/8	42	101	101	0 X 0	1/4	0	1511	5210	1411
121A 96 93	96	3/8	42	101	101	0 X 0	1/4	0	5210	1411	5210
130A 96 93	96	3/8	36	101	101	0 X 0	1/4	0	1411	5210	1411
139A 96 93	96	3/8	36	101	102	0 X 0	1/4	0	5210	1411	5210
148A 96 93	96	3/8	42	102	102	0 X 0	1/4	0	1411	5210	1511
157A 96 93	96	3/8	60	102	111	1/4 X 7	1/4	0	5210	1311	5110

PANEL NUMBER	FLOUR	SPANDREL PLATE T4	FY4	SCL	SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
103A 96 93	95	3/8	60	111	102	1/4 X 7	1/4	0	5110	1311	5210
112A 96 93	95	3/8	42	102	102	0 X 0	1/4	0	1511	5210	1411
121A 96 93	95	3/8	42	101	101	0 X 0	1/4	0	5210	1411	5210
130A 96 93	95	3/8	36	101	101	0 X 0	1/4	0	1411	5210	1411
139A 96 93	95	3/8	42	102	102	0 X 0	1/4	0	5210	1411	5210
148A 96 93	95	3/8	42	102	102	0 X 0	1/4	0	1411	5210	1511
157A 96 93	95	3/8	60	102	112	1/4 X 8	1/4	0	5210	1311	5110

LICENSED PROFESSIONAL ENGINEER LESLIE E. ROBERTSON No. 24360 UNIVERSITY OF THE STATE OF NEW YORK

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	FY4	SCL	SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
103A 96 93	94	3/8	60	112	102	1/4 X 8	1/4	0	5110	1311	5210
112A 96 93	94	3/8	42	102	102	0 X 0	1/4	0	1511	5210	1411
121A 96 93	94	3/8	36	102	101	0 X 0	1/4	0	5210	1411	5210
130A 96 93	94	3/8	36	101	102	0 X 0	1/4	0	1411	5210	1411
139A 96 93	94	3/8	42	102	102	0 X 0	1/4	0	5210	1411	5210
148A 96 93	94	3/8	42	102	102	0 X 0	1/4	0	1411	5210	1511
157A 96 93	94	3/8	65	102	112	1/4 X 8	1/4	0	5210	1311	5110

4-A1-440

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

PROJECT: THE WORLD TRADE CENTER | TITLE: EXTERIOR WALL PANEL SCHEDULE | DATE: 6-5-67

REVISIONS

PANEL NUMBER			PANEL TYPE	COLUMN 1					COLUMN 2					COLUMN 3				
				TYPE	FY1	FY2	CSU	CSL	TYPE	FY1	FY2	CSU	CSL	TYPE	FY1	FY2	CSU	CSL
203A	96	93	300	120	80	80	421	421	120	70	70	411	421	120	70	70	411	421
212A	96	93	300	120	70	70	411	421	120	70	70	411	421	120	70	70	411	421
221A	96	93	300	120	70	70	411	411	120	70	70	411	411	120	70	70	411	411
230A	96	93	300	120	65	65	411	411	120	65	65	411	411	120	65	65	411	411
239A	96	93	300	120	65	65	411	411	120	65	65	411	411	120	65	65	411	411
248A	96	93	300	120	65	65	411	411	120	65	65	411	411	120	65	65	411	411
257A	96	93	300	120	70	70	411	421	120	70	70	411	421	120	75	75	411	421

PANEL NUMBER			FLOOR	SPANDREL PLATE				WELDMENTS			SEAT DETAIL		
				T4	FY4	SCL	SCR	NO 5	NO 6	NO 7	COL 1	COL 2	COL 3
203A	96	93	96	3/8	60	111	102	1/4 X 7	1/4	0	1013	5210	5010
212A	96	93	96	3/8	45	102	101	0 X 0	1/4	0	5210	5010	5210
221A	96	93	96	3/8	45	101	101	0 X 0	1/4	0	5210	1111	5210
230A	96	93	96	3/8	42	101	101	0 X 0	1/4	0	1111	5210	1111
239A	96	93	96	3/8	42	101	101	0 X 0	1/4	0	5210	1111	5210
248A	96	93	96	3/8	42	101	101	0 X 0	1/4	0	5210	5010	5210
257A	96	93	96	3/8	55	101	111	0 X 0	1/4	0	5010	5210	1013

PANEL NUMBER			FLOOR	SPANDREL PLATE				WELDMENTS			SEAT DETAIL		
				T4	FY4	SCL	SCR	NO 5	NO 6	NO 7	COL 1	COL 2	COL 3
203A	96	93	95	3/8	60	112	102	1/4 X 8	1/4	0	1013	5210	5010
212A	96	93	95	3/8	46	102	102	0 X 0	1/4	0	5210	5010	5210
221A	96	93	95	3/8	46	101	101	0 X 0	1/4	0	5210	1111	5210
230A	96	93	95	3/8	42	101	101	0 X 0	1/4	0	1111	5210	1111
239A	96	93	95	3/8	45	101	101	0 X 0	1/4	0	5210	1111	5210
248A	96	93	95	3/8	45	101	101	0 X 0	1/4	0	5210	5010	5210
257A	96	93	95	3/8	55	102	111	1/4 X 7	1/4	0	5010	5210	1013

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

PANEL NUMBER			FLOOR	SPANDREL PLATE				WELDMENTS			SEAT DETAIL		
				T4	FY4	SCL	SCR	NO 5	NO 6	NO 7	COL 1	COL 2	COL 3
203A	96	93	94	3/8	60	112	102	1/4 X 8	1/4	0	1013	5210	5010
212A	96	93	94	3/8	50	102	102	0 X 0	1/4	0	5210	5010	5210
221A	96	93	94	3/8	50	101	101	0 X 0	1/4	0	5210	1111	5210
230A	96	93	94	3/8	45	101	101	0 X 0	1/4	0	1111	5210	1111
239A	96	93	94	3/8	45	101	101	0 X 0	1/4	0	5210	1111	5210
248A	96	93	94	3/8	45	102	102	0 X 0	1/4	0	5210	5010	5210
257A	96	93	94	3/8	60	102	111	1/4 X 7	1/4	0	5010	5210	1013

4-A1-441

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

PROJECT: THE WORLD TRADE CENTER | TITLE: EXTERIOR WALL PANEL SCHEDULE | DATE: 6-5-67

REVISIONS

PANEL NUMBER	PANEL TYPE	COLUMN 1 TYPE	COL 1 FY1	COL 1 FY2	COL 1 CSU	COL 1 CSL	COLUMN 2 TYPE	COL 2 FY1	COL 2 FY2	COL 2 CSU	COL 2 CSL	COLUMN 3 TYPE	COL 3 FY1	COL 3 FY2	COL 3 CSU	COL 3 CSL
303A 96 93	300	120	75	75	411	421	120	70	70	411	421	120	70	70	411	421
312A 96 93	300	123	60	60	411	421	123	60	60	411	421	123	60	60	411	421
321A 96 93	300	123	60	60	411	411	123	55	55	411	411	123	55	55	411	411
330A 96 93	300	123	55	55	411	411	123	55	55	411	411	124	55	55	411	411
339A 96 93	300	124	55	55	411	421	124	60	60	411	421	123	60	60	411	421
348A 96 93	300	123	65	65	411	421	123	65	65	411	421	123	65	65	411	421
357A 96 93	300	120	75	75	411	421	120	75	75	411	421	120	80	80	421	421

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
303A 96 93	96	3/8	55	111	101	0 X 0	1/4	0	5110	1311	5210
312A 96 93	96	3/8	42	101	101	0 X 0	1/4	0	1511	5210	1411
321A 96 93	96	3/8	42	101	101	0 X 0	1/4	0	5210	1411	5210
330A 96 93	96	3/8	42	101	101	0 X 0	1/4	0	1411	5210	1411
339A 96 93	96	3/8	42	101	102	0 X 0	1/4	0	5210	1411	5210
348A 96 93	96	3/8	42	102	102	0 X 0	1/4	0	1411	5210	1511
357A 96 93	96	3/8	60	102	111	1/4 X 7	1/4	0	5210	1311	5110

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
303A 96 93	95	3/8	55	111	102	1/4 X 7	1/4	0	5110	1311	5210
312A 96 93	95	3/8	42	102	102	0 X 0	1/4	0	1511	5210	1411
321A 96 93	95	3/8	42	101	101	0 X 0	1/4	0	5210	1411	5210
330A 96 93	95	3/8	42	101	101	0 X 0	1/4	0	1411	5210	1411
339A 96 93	95	3/8	42	102	102	0 X 0	1/4	0	5210	1411	5210
348A 96 93	95	3/8	45	102	102	0 X 0	1/4	0	1411	5210	1511
357A 96 93	95	3/8	60	102	112	1/4 X 8	1/4	0	5210	1311	5110

LICENSED PROFESSIONAL ENGINEER LESLIE E. ROBERTS No. 34330 UNIVERSITY OF THE STATE OF NEW YORK

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
303A 96 93	94	3/8	60	111	102	1/4 X 7	1/4	0	5110	1311	5210
312A 96 93	94	3/8	42	102	102	0 X 0	1/4	0	1511	5210	1411
321A 96 93	94	3/8	42	101	101	0 X 0	1/4	0	5210	1411	5210
330A 96 93	94	3/8	42	101	101	0 X 0	1/4	0	1411	5210	1411
339A 96 93	94	3/8	42	102	102	0 X 0	1/4	0	5210	1411	5210
348A 96 93	94	3/8	42	102	102	0 X 0	1/4	0	1411	5210	1511
357A 96 93	94	3/8	60	102	112	1/4 X 8	1/4	0	5210	1311	5110

4-A1-442

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

PROJECT: THE WORLD TRADE CENTER | TITLE: EXTERIOR WALL PANEL SCHEDULE | DATE: 6-5-67

REVISIONS

PANEL NUMBER			PANEL TYPE	COLUMN 1 TYPE	COL 1 FY1	COL 1 FY2	COL 1 CSU	COL 1 CSL	COLUMN 2 TYPE	COL 2 FY1	COL 2 FY2	COL 2 CSU	COL 2 CSL	COLUMN 3 TYPE	COL 3 FY1	COL 3 FY2	COL 3 CSU	COL 3 CSL
403A	96	93	300	120	75	75	421	421	120	70	70	411	421	120	70	70	411	421
412A	96	93	300	120	65	65	411	421	120	65	65	411	411	120	70	70	411	411
421A	96	93	300	120	65	65	411	411	120	65	65	411	411	120	65	65	411	411
430A	96	93	300	120	65	65	411	411	120	65	65	411	411	120	65	65	411	411
439A	96	93	300	120	70	70	411	411	120	70	70	411	411	120	70	70	411	411
448A	96	93	300	120	70	70	411	411	120	70	70	411	411	120	70	70	411	411
457A	96	93	300	120	70	70	411	421	120	70	70	411	421	120	75	75	421	421

PANEL NUMBER			FLOOR	SPANDREL PLATE T4	FY4	SCL	SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
403A	96	93	96	3/8	55	111	102	1/4 X 7	1/4	0	1013	5210	5010
412A	96	93	96	3/8	42	101	101	0 X 0	1/4	0	5210	5010	5210
421A	96	93	96	3/8	42	101	101	0 X 0	1/4	0	5210	1111	5210
430A	96	93	96	3/8	42	101	101	0 X 0	1/4	0	1111	5210	1111
439A	96	93	96	3/8	45	101	101	0 X 0	1/4	0	5210	1111	5210
448A	96	93	96	3/8	45	101	101	0 X 0	1/4	0	5210	5010	5210
457A	96	93	96	3/8	55	102	111	0 X 0	1/4	0	5010	5210	1013

PANEL NUMBER			FLOOR	SPANDREL PLATE T4	FY4	SCL	SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
403A	96	93	95	3/8	60	112	102	1/4 X 7	1/4	0	1013	5210	5010
412A	96	93	95	3/8	45	102	102	0 X 0	1/4	0	5210	5010	5210
421A	96	93	95	3/8	45	101	101	0 X 0	1/4	0	5210	1111	5210
430A	96	93	95	3/8	42	101	101	0 X 0	1/4	0	1111	5210	1111
439A	96	93	95	3/8	46	101	101	0 X 0	1/4	0	5210	1111	5210
448A	96	93	95	3/8	45	101	102	0 X 0	1/4	0	5210	5010	5210
457A	96	93	95	3/8	60	102	111	1/4 X 7	1/4	0	5010	5210	1013

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

PANEL NUMBER			FLOOR	SPANDREL PLATE T4	FY4	SCL	SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
403A	96	93	94	3/8	60	112	102	1/4 X 8	1/4	0	1013	5210	5010
412A	96	93	94	3/8	46	102	102	0 X 0	1/4	0	5210	5010	5210
421A	96	93	94	3/8	45	101	101	0 X 0	1/4	0	5210	1111	5210
430A	96	93	94	3/8	45	101	101	0 X 0	1/4	0	1111	5210	1111
439A	96	93	94	3/8	50	101	101	0 X 0	1/4	0	5210	1111	5210
448A	96	93	94	3/8	50	102	102	0 X 0	1/4	0	5210	5010	5210
457A	96	93	94	3/8	60	102	112	1/4 X 7	1/4	0	5010	5210	1013

4-A1-443

WORTHINGTON, SKILLING, HELLE & JACKSON Civil & Structural Engineers

PROJECT: THE WORLD TRADE CENTER | TITLE: EXTERIOR WALL PANEL SCHEDULE | DATE: 6-5-67

REVISIONS

PANEL NUMBER	PANEL TYPE	COLUMN 1 TYPE	COL 1 FY1	COL 1 FY2	COL 1 CSU	COL 1 CSL	COLUMN 2 TYPE	COL 2 FY1	COL 2 FY2	COL 2 CSU	COL 2 CSL	COLUMN 3 TYPE	COL 3 FY1	COL 3 FY2	COL 3 CSU	COL 3 CSL
200A 96 94	210	120	90	90	421	421	520	90	90	0	0	120	90	90	421	421
400A 96 94	210	120	85	85	421	421	520	85	85	0	0	120	85	85	421	421

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SPD FY4	SPD SCL	SPD SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
200A 96 94	96	3/8	60	111	111	1/4 X 9	1/4	0	1313	5010	5610
400A 96 94	96	3/8	60	111	111	1/4 X 8	1/4	0	1313	5010	5610

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SPD FY4	SPD SCL	SPD SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
200A 96 94	95	3/8	60	112	112	1/4 X 9	1/4	0	1313	5010	5610
400A 96 94	95	3/8	60	112	112	1/4 X 9	1/4	0	1313	5010	5610

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

4-A1-444

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

PROJECT: THE WORLD TRADE CENTER | TITLE: EXTERIOR WALL PANEL SCHEDULE | DATE: 6-5-67

REVISIONS

PANEL NUMBER			PANEL TYPE	COLUMN 1 TYPE	COL 1 FY1	COL 1 FY2	COL 1 CSU	COL 1 CSL	COLUMN 2 TYPE	COL 2 FY1	COL 2 FY2	COL 2 CSU	COL 2 CSL	COLUMN 3 TYPE	COL 3 FY1	COL 3 FY2	COL 3 CSU	COL 3 CSL
109A	97	94	300	122	65	65	411	421	122	60	60	411	411	122	60	60	411	411
118A	97	94	300	122	60	60	411	411	122	60	60	411	411	122	60	60	411	411
127A	97	94	300	122	55	55	411	411	122	55	55	411	411	123	55	55	411	411
133A	97	94	300	123	55	55	411	411	123	55	55	411	411	123	55	55	411	411
142A	97	94	300	123	60	60	411	421	123	60	60	411	421	122	65	65	411	421
151A	97	94	300	122	65	65	411	421	122	65	65	411	421	122	65	65	411	421

PANEL NUMBER			FLOOR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
109A	97	94	97	3/8	42	101	101	0 X 0	1/4	0	5210	1411	5210
118A	97	94	97	3/8	42	101	101	0 X 0	1/4	0	1411	5210	1411
127A	97	94	97	3/8	42	101	101	0 X 0	1/4	0	5110	1411	5210
133A	97	94	97	3/8	42	101	101	0 X 0	1/4	0	5210	1411	5110
142A	97	94	97	3/8	45	101	101	0 X 0	1/4	0	1411	5210	1411
151A	97	94	97	3/8	45	102	102	0 X 0	1/4	0	5210	1411	5210

PANEL NUMBER			FLOOR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
109A	97	94	96	3/8	42	102	101	0 X 0	1/4	0	5210	1411	5210
118A	97	94	96	3/8	42	101	101	0 X 0	1/4	0	1411	5210	1411
127A	97	94	96	3/8	36	101	101	0 X 0	1/4	0	5110	1411	5210
133A	97	94	96	3/8	36	101	101	0 X 0	1/4	0	5210	1411	5110
142A	97	94	96	3/8	42	102	102	0 X 0	1/4	0	1411	5210	1411
151A	97	94	96	3/8	45	102	102	1/4 X 7	1/4	0	5210	1411	5210

LICENSED PROFESSIONAL ENGINEER LESLIE E. ROBERTSON No. 34560 UNIVERSITY OF THE STATE OF NEW YORK

PANEL NUMBER			FLOOR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
109A	97	94	95	3/8	42	102	102	1/4 X 7	1/4	0	5210	1411	5210
118A	97	94	95	3/8	42	102	101	0 X 0	1/4	0	1411	5210	1411
127A	97	94	95	3/8	42	101	101	0 X 0	1/4	0	5110	1411	5210
133A	97	94	95	3/8	36	101	102	0 X 0	1/4	0	5210	1411	5110
142A	97	94	95	3/8	42	102	102	1/4 X 7	1/4	0	1411	5210	1411
151A	97	94	95	3/8	42	102	102	1/4 X 8	1/4	0	5210	1411	5210

4-A1-445

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

PROJECT: THE WORLD TRADE CENTER | TITLE: EXTERIOR WALL PANEL SCHEDULE | DATE: 6-5-67

REVISIONS

PANEL NUMBER			PANEL TYPE	COLUMN 1					COLUMN 2					COLUMN 3				
				TYPE	FY1	FY2	CSU	CSL	TYPE	FY1	FY2	CSU	CSL	TYPE	FY1	FY2	CSU	CSL
209A	97	94	300	120	70	70	411	421	120	70	70	411	421	120	70	70	411	421
218A	97	94	300	120	70	70	411	411	120	70	70	411	411	120	70	70	411	411
227A	97	94	300	120	65	65	411	411	120	65	65	411	411	120	65	65	411	411
233A	97	94	300	120	60	60	411	411	120	60	60	411	411	120	60	60	411	411
242A	97	94	300	120	65	65	411	411	120	65	65	411	411	120	65	65	411	411
251A	97	94	300	120	65	65	411	411	120	65	65	411	411	120	65	65	411	411

X

PANEL NUMBER			FLOOR	SPANDREL PLATE				WELDMENTS			SEAT DETAIL		
				T4	FY4	SCL	SCR	NO 5	NO 6	NO 7	COL 1	COL 2	COL 3
209A	97	94	97	3/8	45	101	101	0 X 0	1/4	0	5010	5210	1212
218A	97	94	97	3/8	45	101	101	0 X 0	1/4	0	1611	5210	1111
227A	97	94	97	3/8	42	101	101	0 X 0	1/4	0	5110	1111	5210
233A	97	94	97	3/8	42	101	101	0 X 0	1/4	0	5210	1111	5110
242A	97	94	97	3/8	42	101	101	0 X 0	1/4	0	1111	5210	1611
251A	97	94	97	3/8	42	101	101	0 X 0	1/4	0	1212	5210	5010

PANEL NUMBER			FLOOR	SPANDREL PLATE				WELDMENTS			SEAT DETAIL		
				T4	FY4	SCL	SCR	NO 5	NO 6	NO 7	COL 1	COL 2	COL 3
209A	97	94	96	3/8	45	102	102	0 X 0	1/4	0	5010	5210	1212
218A	97	94	96	3/8	46	101	101	0 X 0	1/4	0	1611	5210	1111
227A	97	94	96	3/8	42	101	101	0 X 0	1/4	0	5110	1111	5210
233A	97	94	96	3/8	42	101	101	0 X 0	1/4	0	5210	1111	5110
242A	97	94	96	3/8	45	101	101	0 X 0	1/4	0	1111	5210	1611
251A	97	94	96	3/8	42	101	101	0 X 0	1/4	0	1212	5210	5010

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

PANEL NUMBER			FLOOR	SPANDREL PLATE				WELDMENTS			SEAT DETAIL		
				T4	FY4	SCL	SCR	NO 5	NO 6	NO 7	COL 1	COL 2	COL 3
209A	97	94	95	3/8	46	102	102	0 X 0	1/4	0	5010	5210	1212
218A	97	94	95	3/8	50	101	101	0 X 0	1/4	0	1611	5210	1111
227A	97	94	95	3/8	45	101	101	0 X 0	1/4	0	5110	1111	5210
233A	97	94	95	3/8	42	101	101	0 X 0	1/4	0	5210	1111	5110
242A	97	94	95	3/8	45	101	101	0 X 0	1/4	0	1111	5210	1611
251A	97	94	95	3/8	45	101	102	0 X 0	1/4	0	1212	5210	5010

4-A1-446

WORTHINGTON, SKILLING, HELLE & JACKSON Civil & Structural Engineers

PROJECT: THE WORLD TRADE CENTER | TITLE: EXTERIOR WALL PANEL SCHEDULE | DATE: 6-5-67

REVISIONS

PANEL NUMBER			PANEL TYPE	COLUMN 1					COLUMN 2					COLUMN 3				
				TYPE	FY1	FY2	CSU	CSL	TYPE	FY1	FY2	CSU	CSL	TYPE	FY1	FY2	CSU	CSL
309A	97	94	300	122	65	65	411	411	122	60	60	411	411	122	60	60	411	411
318A	97	94	300	122	60	60	411	411	122	60	60	411	411	122	60	60	411	411
327A	97	94	300	122	55	55	411	411	122	60	60	411	411	123	55	55	411	411
333A	97	94	300	123	55	55	411	411	123	55	55	411	411	123	55	55	411	411
342A	97	94	300	123	60	60	411	421	123	60	60	411	421	122	65	65	411	421
351A	97	94	300	122	65	65	411	421	122	65	65	411	421	122	65	65	411	421

PANEL NUMBER			FLOOR	SPANDREL PLATE				WELDMENTS			SEAT DETAIL		
				T4	FY4	SCL	SCR	NO 5	NO 6	NO 7	COL 1	COL 2	COL 3
309A	97	94	97	3/8	42	101	101	0 X 0	1/4	0	5210	1411	5210
318A	97	94	97	3/8	42	101	101	0 X 0	1/4	0	1411	5210	1411
327A	97	94	97	3/8	42	101	101	0 X 0	1/4	0	5110	1411	5210
333A	97	94	97	3/8	42	101	101	0 X 0	1/4	0	5210	1411	5110
342A	97	94	97	3/8	45	101	101	0 X 0	1/4	0	1411	5210	1411
351A	97	94	97	3/8	45	102	102	0 X 0	1/4	0	5210	1411	5210

PANEL NUMBER			FLOOR	SPANDREL PLATE				WELDMENTS			SEAT DETAIL		
				T4	FY4	SCL	SCR	NO 5	NO 6	NO 7	COL 1	COL 2	COL 3
309A	97	94	96	3/8	42	101	101	0 X 0	1/4	0	5210	1411	5210
318A	97	94	96	3/8	42	101	101	0 X 0	1/4	0	1411	5210	1411
327A	97	94	96	3/8	42	101	101	0 X 0	1/4	0	5110	1411	5210
333A	97	94	96	3/8	36	101	101	0 X 0	1/4	0	5210	1411	5110
342A	97	94	96	3/8	42	102	102	0 X 0	1/4	0	1411	5210	1411
351A	97	94	96	3/8	45	102	102	1/4 X 7	1/4	0	5210	1411	5210

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

PANEL NUMBER			FLOOR	SPANDREL PLATE				WELDMENTS			SEAT DETAIL		
				T4	FY4	SCL	SCR	NO 5	NO 6	NO 7	COL 1	COL 2	COL 3
309A	97	94	95	3/8	42	102	102	0 X 0	1/4	0	5210	1411	5210
318A	97	94	95	3/8	42	101	101	0 X 0	1/4	0	1411	5210	1411
327A	97	94	95	3/8	42	101	101	0 X 0	1/4	0	5110	1411	5210
333A	97	94	95	3/8	42	101	101	0 X 0	1/4	0	5210	1411	5110
342A	97	94	95	3/8	42	102	102	1/4 X 7	1/4	0	1411	5210	1411
351A	97	94	95	3/8	45	102	102	1/4 X 8	1/4	0	5210	1411	5210

4-A1-447

WORTHINGTON, SKILLING, HELLE & JACKSON Civil & Structural Engineers

PROJECT: THE WORLD TRADE CENTER | TITLE: EXTERIOR WALL PANEL SCHEDULE | DATE: 6-5-67

REVISIONS

PANEL NUMBER	PANEL TYPE	COLUMN 1 TYPE	COL 1 FY1	COL 1 FY2	COL 1 CSU	COL 1 CSL	COLUMN 2 TYPE	COL 2 FY1	COL 2 FY2	COL 2 CSU	COL 2 CSL	COLUMN 3 TYPE	COL 3 FY1	COL 3 FY2	COL 3 CSU	COL 3 CSL
409A 97 94	300	120	65	65	411	421	120	65	65	411	411	120	65	65	411	411
418A 97 94	300	120	65	65	411	411	120	65	65	411	411	120	65	65	411	411
427A 97 94	300	120	60	60	411	411	120	60	60	411	411	120	60	60	411	411
433A 97 94	300	120	65	65	411	411	120	65	65	411	411	120	65	65	411	411
442A 97 94	300	120	70	70	411	411	120	70	70	411	411	120	70	70	411	411
451A 97 94	300	120	65	65	411	411	120	65	65	411	411	120	65	65	411	411

PANEL NUMBER	FLOUR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
409A 97 94	97	3/8	42	101	101	0 X 0	1/4	0	5010	5210	1212
418A 97 94	97	3/8	42	101	101	0 X 0	1/4	0	1611	5210	1111
427A 97 94	97	3/8	42	101	101	0 X 0	1/4	0	5110	1111	5210
433A 97 94	97	3/8	42	101	101	0 X 0	1/4	0	5210	1111	5110
442A 97 94	97	3/8	45	101	101	0 X 0	1/4	0	1111	5210	1611
451A 97 94	97	3/8	42	101	101	0 X 0	1/4	0	1212	5210	5010

PANEL NUMBER	FLOUR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
409A 97 94	96	3/8	45	102	101	0 X 0	1/4	0	5010	5210	1212
418A 97 94	96	3/8	45	101	101	0 X 0	1/4	0	1611	5210	1111
427A 97 94	96	3/8	42	101	101	0 X 0	1/4	0	5110	1111	5210
433A 97 94	96	3/8	42	101	101	0 X 0	1/4	0	5210	1111	5110
442A 97 94	96	3/8	46	101	101	0 X 0	1/4	0	1111	5210	1611
451A 97 94	96	3/8	45	101	101	0 X 0	1/4	0	1212	5210	5010

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

PANEL NUMBER	FLOUR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
409A 97 94	95	3/8	45	102	102	0 X 0	1/4	0	5010	5210	1212
418A 97 94	95	3/8	45	101	101	0 X 0	1/4	0	1611	5210	1111
427A 97 94	95	3/8	42	101	101	0 X 0	1/4	0	5110	1111	5210
433A 97 94	95	3/8	45	101	101	0 X 0	1/4	0	5210	1111	5110
442A 97 94	95	3/8	50	101	101	0 X 0	1/4	0	1111	5210	1611
451A 97 94	95	3/8	45	102	102	0 X 0	1/4	0	1212	5210	5010

4-A1-448

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

PROJECT: THE WORLD TRADE CENTER | TITLE: EXTERIOR WALL PANEL SCHEDULE | DATE: 6-5-67

REVISIONS

PANEL NUMBER	PANEL TYPE	COLUMN 1					COLUMN 2					COLUMN 3				
		TYPE	FY1	FY2	CSU	CSL	TYPE	FY1	FY2	CSU	CSL	TYPE	FY1	FY2	CSU	CSL
100A 97 95	210	120	85	85	421	421	520	85	85	0	0	120	80	80	421	421
300A 97 95	210	120	80	80	421	421	520	80	80	0	0	120	80	80	421	421

PANEL NUMBER	FLOOR	SPANDREL PLATE				WELDMENTS			SEAT DETAIL		
		T4	FY4	SCL	SCR	NO 5	NO 6	NO 7	COL 1	COL 2	COL 3
100A 97 95	97	3/8	55	111	111	1/4 X 7	1/4	0	5410	5010	1313
300A 97 95	97	3/8	55	111	111	1/4 X 7	1/4	0	5410	5010	1313

PANEL NUMBER	FLOOR	SPANDREL PLATE				WELDMENTS			SEAT DETAIL		
		T4	FY4	SCL	SCR	NO 5	NO 6	NO 7	COL 1	COL 2	COL 3
100A 97 95	96	3/8	60	111	111	1/4 X 8	1/4	0	5410	5010	1313
300A 97 95	96	3/8	55	111	111	1/4 X 8	1/4	0	5410	5010	1313

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

4-A1-449

WORTHINGTON, SKILLING, HELLE & JACKSON Civil & Structural Engineers

PROJECT THE WORLD TRADE CENTER | TITLE EXTERIOR WALL PANEL SCHEDULE | DATE 6-5-67

REVISIONS

PANEL NUMBER	PANEL TYPE	COLUMN 1 TYPE	COL 1 FY1	COL 1 FY2	COL 1 CSU	COL 1 CSL	COLUMN 2 TYPE	COL 2 FY1	COL 2 FY2	COL 2 CSU	COL 2 CSL	COLUMN 3 TYPE	COL 3 FY1	COL 3 FY2	COL 3 CSU	COL 3 CSL
106A 98 95	300	121	65	65	411	411	121	70	70	411	411	121	65	65	411	411
115A 98 95	300	122	60	60	411	411	122	60	60	411	411	122	60	60	411	411
124A 98 95	300	122	60	60	411	411	122	55	55	411	411	122	55	55	411	411
136A 98 95	300	123	55	55	411	411	123	55	55	411	411	123	55	55	411	411
145A 98 95	300	122	65	65	411	421	122	65	65	411	421	122	65	65	411	421
154A 98 95	300	121	70	70	411	421	121	70	70	411	421	121	70	70	411	421

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
106A 98 95	98	3/8	45	101	101	0 X 0	1/4	0	1311	5110	1411
115A 98 95	98	3/8	42	101	101	0 X 0	1/4	0	5110	1411	5110
124A 98 95	98	3/8	42	101	101	0 X 0	1/4	0	1411	5110	1411
136A 98 95	98	3/8	36	101	101	0 X 0	1/4	0	1411	5110	1411
145A 98 95	98	3/8	42	101	101	0 X 0	1/4	0	5110	1411	5110
154A 98 95	98	3/8	46	101	101	0 X 0	1/4	0	1411	5110	1311

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
106A 98 95	97	3/8	46	101	101	0 X 0	1/4	0	1311	5110	1411
115A 98 95	97	3/8	42	101	101	0 X 0	1/4	0	5110	1411	5110
124A 98 95	97	3/8	42	101	101	0 X 0	1/4	0	1411	5110	1411
136A 98 95	97	3/8	42	101	101	0 X 0	1/4	0	1411	5110	1411
145A 98 95	97	3/8	45	101	102	0 X 0	1/4	0	5110	1411	5110
154A 98 95	97	3/8	50	102	102	0 X 0	1/4	0	1411	5110	1311

LICENSED PROFESSIONAL ENGINEER LESLIE E. ROBERTS NO. 34360 UNIVERSITY OF THE STATE OF NEW YORK

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
106A 98 95	96	3/8	42	102	102	0 X 0	1/4	0	1311	5110	1411
115A 98 95	96	3/8	42	101	101	0 X 0	1/4	0	5110	1411	5110
124A 98 95	96	3/8	36	101	101	0 X 0	1/4	0	1411	5110	1411
136A 98 95	96	3/8	36	101	101	0 X 0	1/4	0	1411	5110	1411
145A 98 95	96	3/8	42	102	102	1/4 X 7	1/4	0	5110	1411	5110
154A 98 95	96	3/8	45	102	102	1/4 X 7	1/4	0	1411	5110	1311

4-A1-450

WORTHINGTON, SKILLING, HELLE & JACKSON Civil & Structural Engineers

PROJECT: THE WORLD TRADE CENTER | TITLE: EXTERIOR WALL PANEL SCHEDULE | DATE: 6-5-67

REVISIONS

PANEL NUMBER	PANEL TYPE	COLUMN 1 TYPE	COL 1 FY1	COL 1 FY2	COL 1 CSU	COL 1 CSL	COLUMN 2 TYPE	COL 2 FY1	COL 2 FY2	COL 2 CSU	COL 2 CSL	COLUMN 3 TYPE	COL 3 FY1	COL 3 FY2	COL 3 CSU	COL 3 CSL
206A 98 95	300	120	65	65	411	421	120	65	65	411	411	120	65	65	411	411
215A 98 95	300	120	65	65	411	411	120	65	65	411	411	120	70	70	411	411
224A 98 95	300	120	65	65	411	411	120	65	65	411	411	120	65	65	411	411
236A 98 95	300	120	60	60	411	411	120	60	60	411	411	120	60	60	411	411
245A 98 95	300	120	65	65	411	411	120	65	65	411	411	120	65	65	411	411
254A 98 95	300	120	65	65	411	411	120	65	65	411	411	120	65	65	411	411

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	WELD NO 6	WELD NO 7	SEAT DETAIL COL 1	SEAT COL 2	SEAT COL 3
206A 98 95	98	3/8	42	101	101	0 X 0	1/4	0	5110	1212	5110
215A 98 95	98	3/8	42	101	101	0 X 0	1/4	0	1212	5510	5110
224A 98 95	98	3/8	42	101	101	0 X 0	1/4	0	1111	5110	1111
236A 98 95	98	3/8	42	101	101	0 X 0	1/4	0	1111	5110	1111
245A 98 95	98	3/8	42	101	101	0 X 0	1/4	0	5110	5310	1212
254A 98 95	98	3/8	42	101	101	0 X 0	1/4	0	5110	1212	5110

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	WELD NO 6	WELD NO 7	SEAT DETAIL COL 1	SEAT COL 2	SEAT COL 3
206A 98 95	97	3/8	45	102	101	0 X 0	1/4	0	5110	1212	5110
215A 98 95	97	3/8	45	101	101	0 X 0	1/4	0	1212	5510	5110
224A 98 95	97	3/8	42	101	101	0 X 0	1/4	0	1111	5110	1111
236A 98 95	97	3/8	42	101	101	0 X 0	1/4	0	1111	5110	1111
245A 98 95	97	3/8	42	101	101	0 X 0	1/4	0	5110	5310	1212
254A 98 95	97	3/8	42	101	101	0 X 0	1/4	0	5110	1212	5110

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

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	WELD NO 6	WELD NO 7	SEAT DETAIL COL 1	SEAT COL 2	SEAT COL 3
206A 98 95	96	3/8	45	102	102	0 X 0	1/4	0	5110	1212	5110
215A 98 95	96	3/8	46	101	101	0 X 0	1/4	0	1212	5510	5110
224A 98 95	96	3/8	45	101	101	0 X 0	1/4	0	1111	5110	1111
236A 98 95	96	3/8	42	101	101	0 X 0	1/4	0	1111	5110	1111
245A 98 95	96	3/8	45	101	101	0 X 0	1/4	0	5110	5310	1212
254A 98 95	96	3/8	42	101	101	0 X 0	1/4	0	5110	1212	5110

4-A1-451

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

PROJECT	TITLE	DATE
THE WORLD TRADE CENTER	EXTERIOR WALL PANEL SCHEDULE	6-5-67

REVISIONS

PANEL NUMBER	PANEL TYPE	COLUMN 1 TYPE	COL 1 FY1	COL 1 FY2	COL 1 CSU	COL 1 CSL	COLUMN 2 TYPE	COL 2 FY1	COL 2 FY2	COL 2 CSU	COL 2 CSL	COLUMN 3 TYPE	COL 3 FY1	COL 3 FY2	COL 3 CSU	COL 3 CSL
306A 98 95	300	121	65	65	411	411	121	65	65	411	411	121	65	65	411	411
315A 98 95	300	122	60	60	411	411	122	60	60	411	411	122	60	60	411	411
324A 98 95	300	122	60	60	411	411	122	60	60	411	411	122	55	55	411	411
336A 98 95	300	123	55	55	411	411	123	55	55	411	411	123	60	60	411	411
345A 98 95	300	122	65	65	411	411	122	65	65	411	411	122	65	65	411	421
354A 98 95	300	121	70	70	411	421	121	70	70	411	421	121	70	70	411	421

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
306A 98 95	98	3/8	45	101	101	0 X 0	1/4	0	1311	5110	1411
315A 98 95	98	3/8	42	101	101	0 X 0	1/4	0	5110	1411	5110
324A 98 95	98	3/8	42	101	101	0 X 0	1/4	0	1411	5110	1411
336A 98 95	98	3/8	42	101	101	0 X 0	1/4	0	1411	5110	1411
345A 98 95	98	3/8	42	101	101	0 X 0	1/4	0	5110	1411	5110
354A 98 95	98	3/8	46	101	101	0 X 0	1/4	0	1411	5110	1311

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
306A 98 95	97	3/8	45	101	101	0 X 0	1/4	0	1311	5110	1411
315A 98 95	97	3/8	42	101	101	0 X 0	1/4	0	5110	1411	5110
324A 98 95	97	3/8	42	101	101	0 X 0	1/4	0	1411	5110	1411
336A 98 95	97	3/8	42	101	101	0 X 0	1/4	0	1411	5110	1411
345A 98 95	97	3/8	45	101	101	0 X 0	1/4	0	5110	1411	5110
354A 98 95	97	3/8	50	102	102	0 X 0	1/4	0	1411	5110	1311

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
306A 98 95	96	3/8	42	101	101	0 X 0	1/4	0	1311	5110	1411
315A 98 95	96	3/8	42	101	101	0 X 0	1/4	0	5110	1411	5110
324A 98 95	96	3/8	42	101	101	0 X 0	1/4	0	1411	5110	1411
336A 98 95	96	3/8	42	101	101	0 X 0	1/4	0	1411	5110	1411
345A 98 95	96	3/8	42	102	102	1/4 X 7	1/4	0	5110	1411	5110
354A 98 95	96	3/8	45	102	102	0 X 0	1/4	0	1411	5110	1311

LICENSED PROFESSIONAL ENGINEER LESLIE E. ROBERTSON NO. 34,240 UNIVERSITY OF THE STATE OF NEW YORK

4-A1-452

WORTHINGTON, SKILLING, HELLE & JACKSON Civil & Structural Engineers

PROJECT: THE WORLD TRADE CENTER | TITLE: EXTERIOR WALL PANEL SCHEDULE | DATE: 6-5-67

REVISIONS

PANEL NUMBER	PANEL TYPE	COLUMN 1 TYPE	COL 1 FY1	COL 1 FY2	COL 1 CSU	COL 1 CSL	COLUMN 2 TYPE	COL 2 FY1	COL 2 FY2	COL 2 CSU	COL 2 CSL	COLUMN 3 TYPE	COL 3 FY1	COL 3 FY2	COL 3 CSU	COL 3 CSL
406A 98 95	300	120	65	65	411	411	120	65	65	411	411	120	65	65	411	411
415A 98 95	300	120	65	65	411	411	120	65	65	411	411	120	65	65	411	411
424A 98 95	300	120	60	60	411	411	120	60	60	411	411	120	60	60	411	411
436A 98 95	300	120	65	65	411	411	120	65	65	411	411	120	65	65	411	411
445A 98 95	300	120	65	65	411	411	120	65	65	411	411	120	65	65	411	411
454A 98 95	300	120	65	65	411	411	120	65	65	411	411	120	65	65	411	411

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
406A 98 95	98	3/8	42	101	101	0 X 0	1/4	0	5110	1212	5110
415A 98 95	98	3/8	42	101	101	0 X 0	1/4	0	1212	5510	5110
424A 98 95	98	3/8	42	101	101	0 X 0	1/4	0	1111	5110	1111
436A 98 95	98	3/8	42	101	101	0 X 0	1/4	0	1111	5110	1111
445A 98 95	98	3/8	42	101	101	0 X 0	1/4	0	5110	5310	1212
454A 98 95	98	3/8	42	101	101	0 X 0	1/4	0	5110	1212	5110

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
406A 98 95	97	3/8	42	101	101	0 X 0	1/4	0	5110	1212	5110
415A 98 95	97	3/8	42	101	101	0 X 0	1/4	0	1212	5510	5110
~~424A 98 95~~	~~97~~	~~3/8~~	~~42~~	~~101~~	~~101~~	~~0 X 0~~	~~1/4~~	~~0~~	~~1111~~	~~5110~~	~~1111~~
436A 98 95	97	3/8	42	101	101	0 X 0	1/4	0	1111	5110	1111
445A 98 95	97	3/8	45	101	101	0 X 0	1/4	0	5110	5310	1212
454A 98 95	97	3/8	42	101	101	0 X 0	1/4	0	5110	1212	5110

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

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
406A 98 95	96	3/8	45	102	102	0 X 0	1/4	0	5110	1212	5110
415A 98 95	96	3/8	45	101	101	0 X 0	1/4	0	1212	5510	5110
424A 98 95	96	3/8	42	101	101	0 X 0	1/4	0	1111	5110	1111
436A 98 95	96	3/8	45	101	101	0 X 0	1/4	0	1111	5110	1111
445A 98 95	96	3/8	45	101	101	0 X 0	1/4	0	5110	5310	1212
454A 98 95	96	3/8	45	101	102	0 X 0	1/4	0	5110	1212	5110

4-A1-453

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

PROJECT THE WORLD TRADE CENTER | TITLE EXTERIOR WALL PANEL SCHEDULE | DATE 6-5-67

VISIONS

PANEL NUMBER	PANEL TYPE	COLUMN 1 TYPE	COL 1 FY1	COL 1 FY2	COL 1 CSU	COL 1 CSL	COLUMN 2 TYPE	COL 2 FY1	COL 2 FY2	COL 2 CSU	COL 2 CSL	COLUMN 3 TYPE	COL 3 FY1	COL 3 FY2	COL 3 CSU	COL 3 CSL
200A 98 96	210	120	80	80	421	421	520	80	80	0	0	120	80	80	421	421
400A 98 96	210	120	80	80	421	421	520	80	80	0	0	120	80	80	421	421

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SPD FY4	SPD SCL	SPD SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
200A 98 96	98	3/8	55	111	111	1/4 X 7	1/4	0	1313	5010	5610
400A 98 96	98	3/8	55	111	111	1/4 X 7	1/4	0	1313	5010	5610

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SPD FY4	SPD SCL	SPD SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
200A 98 96	97	3/8	55	111	111	1/4 X 8	1/4	0	1313	5010	5610
400A 98 96	97	3/8	55	111	111	1/4 X 8	1/4	0	1313	5010	5610

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

4-A1-454

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

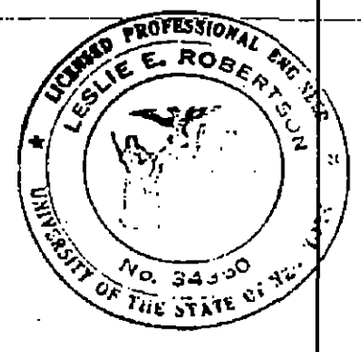
PROJECT: THE WORLD TRADE CENTER | TITLE: EXTERIOR WALL PANEL SCHEDULE | DATE: 6-5-67

REVISIONS

PANEL NUMBER	PANEL TYPE	COLUMN 1 TYPE	COL 1 FY1	COL 1 FY2	COL 1 CSU	COL 1 CSL	COLUMN 2 TYPE	COL 2 FY1	COL 2 FY2	COL 2 CSU	COL 2 CSL	COLUMN 3 TYPE	COL 3 FY1	COL 3 FY2	COL 3 CSU	COL 3 CSL
103A 99 96	300	120	65	65	411	421	120	65	65	411	411	120	65	65	411	411
112A 99 96	300	121	65	65	411	411	121	60	60	411	411	121	60	60	411	411
121A 99 96	300	121	60	60	411	411	121	60	60	411	411	121	60	60	411	411
130A 99 96	300	122	55	55	411	411	122	55	55	411	411	122	55	55	411	411
139A 99 96	300	122	55	55	411	411	122	60	60	411	411	122	60	60	411	411
148A 99 96	300	121	65	65	411	411	121	65	65	411	411	121	65	65	411	411
157A 99 96	300	120	70	70	411	411	120	65	65	411	411	120	70	70	411	421

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	FY4	SCL	SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
103A 99 96	99	3/8	46	111	101	0 X 0	1/4	0	5110	1311	5210
112A 99 96	99	3/8	42	101	101	0 X 0	1/4	0	1511	5210	1411
121A 99 96	99	3/8	42	101	101	0 X 0	1/4	0	5210	1411	5210
130A 99 96	99	3/8	36	101	101	0 X 0	1/4	0	1411	5210	1411
139A 99 96	99	3/8	42	101	101	0 X 0	1/4	0	5210	1411	5210
148A 99 96	99	3/8	45	101	101	0 X 0	1/4	0	1411	5210	1511
157A 99 96	99	3/8	50	101	111	0 X 0	1/4	0	5210	1311	5110

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	FY4	SCL	SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
103A 99 96	98	3/8	50	111	101	0 X 0	1/4	0	5110	1311	5210
112A 99 96	98	3/8	42	101	101	0 X 0	1/4	0	1511	5210	1411
121A 99 96	98	3/8	42	101	101	0 X 0	1/4	0	5210	1411	5210
130A 99 96	98	3/8	42	101	101	0 X 0	1/4	0	1411	5210	1411
139A 99 96	98	3/8	42	101	101	0 X 0	1/4	0	5210	1411	5210
148A 99 96	98	3/8	42	101	101	0 X 0	1/4	0	1411	5210	1511
157A 99 96	98	3/8	55	101	111	0 X 0	1/4	0	5210	1311	5110



PANEL NUMBER	FLOOR	SPANDREL PLATE T4	FY4	SCL	SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
103A 99 96	97	3/8	55	111	101	0 X 0	1/4	0	5110	1311	5210
112A 99 96	97	3/8	42	101	101	0 X 0	1/4	0	1511	5210	1411
121A 99 96	97	3/8	42	101	101	0 X 0	1/4	0	5210	1411	5210
130A 99 96	97	3/8	36	101	101	0 X 0	1/4	0	1411	5210	1411
139A 99 96	97	3/8	42	101	101	0 X 0	1/4	0	5210	1411	5210
148A 99 96	97	3/8	45	102	102	0 X 0	1/4	0	1411	5210	1511
157A 99 96	97	3/8	55	102	111	1/4 X 7	1/4	0	5210	1311	5110

4-A1-455

WORTHINGTON, SKILLING, HELLE & JACKSON Civil & Structural Engineers

PROJECT: THE WORLD TRADE CENTER | TITLE: EXTERIOR WALL PANEL SCHEDULE | DATE: 6-5-67

REVISIONS

PANEL NUMBER	PANEL TYPE	COLUMN 1 TYPE	COL 1 FY1	COL 1 FY2	COL 1 CSU	COL 1 CSL	COLUMN 2 TYPE	COL 2 FY1	COL 2 FY2	COL 2 CSU	COL 2 CSL	COLUMN 3 TYPE	COL 3 FY1	COL 3 FY2	COL 3 CSU	COL 3 CSL
203A 99 96	300	120	70	70	411	421	120	65	65	411	411	120	65	65	411	411
212A 99 96	300	120	65	65	411	411	120	65	65	411	411	120	65	65	411	411
221A 99 96	300	120	65	65	411	411	120	65	65	411	411	120	60	60	411	411
230A 99 96	300	120	60	60	411	411	120	55	55	411	411	120	55	55	411	411
239A 99 96	300	120	60	60	411	411	120	60	60	411	411	120	60	60	411	411
248A 99 96	300	120	60	60	411	411	120	60	60	411	411	120	60	60	411	411
257A 99 96	300	120	60	60	411	411	120	60	60	411	411	120	65	65	411	411

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
203A 99 96	99	3/8	50	111	101	0 X 0	1/4	0	1013	5210	5010
212A 99 96	99	3/8	42	101	101	0 X 0	1/4	0	5210	5010	5210
221A 99 96	99	3/8	42	101	101	0 X 0	1/4	0	5210	1111	5210
230A 99 96	99	3/8	36	101	101	0 X 0	1/4	0	1111	5210	1111
239A 99 96	99	3/8	42	101	101	0 X 0	1/4	0	5210	1111	5210
248A 99 96	99	3/8	42	101	101	0 X 0	1/4	0	5210	5010	5210
257A 99 96	99	3/8	50	101	111	0 X 0	1/4	0	5010	5210	1013

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
203A 99 96	98	3/8	55	111	101	0 X 0	1/4	0	1013	5210	5010
212A 99 96	98	3/8	42	101	101	0 X 0	1/4	0	5210	5010	5210
221A 99 96	98	3/8	42	101	101	0 X 0	1/4	0	5210	1111	5210
230A 99 96	98	3/8	42	101	101	0 X 0	1/4	0	1111	5210	1111
239A 99 96	98	3/8	42	101	101	0 X 0	1/4	0	5210	1111	5210
248A 99 96	98	3/8	42	101	101	0 X 0	1/4	0	5210	5010	5210
257A 99 96	98	3/8	50	101	111	0 X 0	1/4	0	5010	5210	1013

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

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
203A 99 96	97	3/8	55	111	102	0 X 0	1/4	0	1013	5210	5010
212A 99 96	97	3/8	42	101	101	0 X 0	1/4	0	5210	5010	5210
221A 99 96	97	3/8	45	101	101	0 X 0	1/4	0	5210	1111	5210
230A 99 96	97	3/8	42	101	101	0 X 0	1/4	0	1111	5210	1111
239A 99 96	97	3/8	42	101	101	0 X 0	1/4	0	5210	1111	5210
248A 99 96	97	3/8	42	101	101	0 X 0	1/4	0	5210	5010	5210
257A 99 96	97	3/8	55	101	111	0 X 0	1/4	0	5010	5210	1013

4-A1-456

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

PROJECT: THE WORLD TRADE CENTER | TITLE: EXTERIOR WALL PANEL SCHEDULE | DATE: 6-5-67

REVISIONS

PANEL NUMBER	PANEL TYPE	COLUMN 1 TYPE	COL 1 FY1	COL 1 FY2	COL 1 CSU	COL 1 CSL	COLUMN 2 TYPE	COL 2 FY1	COL 2 FY2	COL 2 CSU	COL 2 CSL	COLUMN 3 TYPE	COL 3 FY1	COL 3 FY2	COL 3 CSU	COL 3 CSL
303A 99 96	300	120	65	65	411	411	120	65	65	411	411	120	65	65	411	411
312A 99 96	300	121	65	65	411	411	121	60	60	411	411	121	60	60	411	411
321A 99 96	300	121	60	60	411	411	121	60	60	411	411	121	60	60	411	411
330A 99 96	300	122	55	55	411	411	122	55	55	411	411	122	55	55	411	411
339A 99 96	300	122	60	60	411	411	122	60	60	411	411	122	60	60	411	411
348A 99 96	300	121	65	65	411	411	121	65	65	411	411	121	65	65	411	411
357A 99 96	300	120	70	70	411	411	120	65	65	411	411	120	70	70	411	421

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
303A 99 96	99	3/8	46	111	101	0 X 0	1/4	0	5110	1311	5210
312A 99 96	99	3/8	42	101	101	0 X 0	1/4	0	1511	5210	1411
321A 99 96	99	3/8	42	101	101	0 X 0	1/4	0	5210	1411	5210
330A 99 96	99	3/8	42	101	101	0 X 0	1/4	0	1411	5210	1411
339A 99 96	99	3/8	42	101	101	0 X 0	1/4	0	5210	1411	5210
348A 99 96	99	3/8	45	101	101	0 X 0	1/4	0	1411	5210	1511
357A 99 96	99	3/8	50	101	111	0 X 0	1/4	0	5210	1311	5110

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
303A 99 96	98	3/8	50	111	101	0 X 0	1/4	0	5110	1311	5210
~~312A 99 96~~	~~98~~	~~3/8~~	~~42~~	~~101~~	~~101~~	~~0 X 0~~	~~1/4~~	~~0~~	~~1511~~	~~5210~~	~~1411~~
321A 99 96	98	3/8	42	101	101	0 X 0	1/4	0	5210	1411	5210
330A 99 96	98	3/8	42	101	101	0 X 0	1/4	0	1411	5210	1411
339A 99 96	98	3/8	42	101	101	0 X 0	1/4	0	5210	1411	5210
348A 99 96	98	3/8	42	101	101	0 X 0	1/4	0	1411	5210	1511
357A 99 96	98	3/8	55	101	111	0 X 0	1/4	0	5210	1311	5110

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
303A 99 96	97	3/8	50	111	101	0 X 0	1/4	0	5110	1311	5210
312A 99 96	97	3/8	42	101	101	0 X 0	1/4	0	1511	5210	1411
321A 99 96	97	3/8	42	101	101	0 X 0	1/4	0	5210	1411	5210
330A 99 96	97	3/8	42	101	101	0 X 0	1/4	0	1411	5210	1411
339A 99 96	97	3/8	42	101	101	0 X 0	1/4	0	5210	1411	5210
348A 99 96	97	3/8	45	101	102	0 X 0	1/4	0	1411	5210	1511
357A 99 96	97	3/8	55	102	111	0 X 0	1/4	0	5210	1311	5110

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

4-A1-457

WORTHINGTON, SKILLING, HELLE & JACKSON Civil & Structural Engineers

PROJECT THE WORLD TRADE CENTER | TITLE EXTERIOR WALL PANEL SCHEDULE | DATE 6-5-67

REVISIONS

PANEL NUMBER	PANEL TYPE	COLUMN 1 TYPE	COL 1 FY1	COL 1 FY2	COL 1 CSU	COL 1 CSL	COLUMN 2 TYPE	COL 2 FY1	COL 2 FY2	COL 2 CSU	COL 2 CSL	COLUMN 3 TYPE	COL 3 FY1	COL 3 FY2	COL 3 CSU	COL 3 CSL
403A 99 96	300	120	70	70	411	421	120	65	65	411	411	120	65	65	411	411
412A 99 96	300	120	60	60	411	411	120	60	60	411	411	120	60	60	411	411
421A 99 96	300	120	60	60	411	411	120	60	60	411	411	120	60	60	411	411
430A 99 96	300	120	60	60	411	411	120	60	60	411	411	120	60	60	411	411
439A 99 96	300	120	65	65	411	411	120	65	65	411	411	120	65	65	411	411
448A 99 96	300	120	65	65	411	411	120	65	65	411	411	120	60	60	411	411
457A 99 96	300	120	65	65	411	411	120	65	65	411	411	120	70	70	411	421

X

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
403A 99 96	99	3/8	50	111	101	0 X 0	1/4	0	1013	5210	5010
412A 99 96	99	3/8	42	101	101	0 X 0	1/4	0	5210	5010	5210
421A 99 96	99	3/8	42	101	101	0 X 0	1/4	0	5210	1111	5210
430A 99 96	99	3/8	42	101	101	0 X 0	1/4	0	1111	5210	1111
439A 99 96	99	3/8	42	101	101	0 X 0	1/4	0	5210	1111	5210
448A 99 96	99	3/8	42	101	101	0 X 0	1/4	0	5210	5010	5210
457A 99 96	99	3/8	50	101	111	0 X 0	1/4	0	5010	5210	1013

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
403A 99 96	98	3/8	55	111	101	0 X 0	1/4	0	1013	5210	5010
412A 99 96	98	3/8	42	101	101	0 X 0	1/4	0	5210	5010	5210
421A 99 96	98	3/8	42	101	101	0 X 0	1/4	0	5210	1111	5210
430A 99 96	98	3/8	42	101	101	0 X 0	1/4	0	1111	5210	1111
439A 99 96	98	3/8	42	101	101	0 X 0	1/4	0	5210	1111	5210
448A 99 96	98	3/8	42	101	101	0 X 0	1/4	0	5210	5010	5210
457A 99 96	98	3/8	50	101	111	0 X 0	1/4	0	5010	5210	1013

LICENSED PROFESSIONAL ENGINEER LESLIE E. ROBERTSON NO. 14800 UNIVERSITY OF THE STATE OF NEBRASKA

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
403A 99 96	97	3/8	55	111	101	0 X 0	1/4	0	1013	5210	5010
412A 99 96	97	3/8	42	101	101	0 X 0	1/4	0	5210	5010	5210
421A 99 96	97	3/8	42	101	101	0 X 0	1/4	0	5210	1111	5210
430A 99 96	97	3/8	42	101	101	0 X 0	1/4	0	1111	5210	1111
439A 99 96	97	3/8	45	101	101	0 X 0	1/4	0	5210	1111	5210
448A 99 96	97	3/8	42	101	101	0 X 0	1/4	0	5210	5010	5210
457A 99 96	97	3/8	55	101	111	0 X 0	1/4	0	5010	5210	1013

4-A1-458

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

PROJECT: THE WORLD TRADE CENTER | TITLE: EXTERIOR WALL PANEL SCHEDULE | DATE: 6-5-67

REVISIONS

PANEL NUMBER			PANEL TYPE	COLUMN 1					COLUMN 2					COLUMN 3				
				TYPE	FY1	FY2	CSU	CSL	TYPE	FY1	FY2	CSU	CSL	TYPE	FY1	FY2	CSU	CSL
100A	99	97	210	120	75	75	411	421	520	75	75	0	0	120	75	75	411	421
300A	99	97	210	120	75	75	411	421	520	75	75	0	0	120	75	75	411	421

PANEL NUMBER			FLOOR	SPANDREL PLATE				WELDMENTS			SEAT DETAIL		
				T4	FY4	SCL	SCR	NO 5	NO 6	NO 7	COL 1	COL 2	COL 3
100A	99	97	99	3/8	50	111	111	0 X 0	1/4	0	5410	5010	1313
300A	99	97	99	3/8	50	111	111	0 X 0	1/4	0	5410	5010	1313

PANEL NUMBER			FLOOR	SPANDREL PLATE				WELDMENTS			SEAT DETAIL		
				T4	FY4	SCL	SCR	NO 5	NO 6	NO 7	COL 1	COL 2	COL 3
100A	99	97	98	3/8	55	111	111	1/4 X 7	1/4	0	5410	5010	1313
300A	99	97	98	3/8	55	111	111	0 X 0	1/4	0	5410	5010	1313

LICENSED PROFESSIONAL ENGINEER
LESLIE E. ROBERTSON
No. 34300
UNIVERSITY OF THE STATE OF NEW YORK

4-A1-459

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

PROJECT: THE WORLD TRADE CENTER | TITLE: EXTERIOR WALL PANEL SCHEDULE | DATE: 6-5-67

REVISIONS

PANEL NUMBER	PANEL TYPE	COLUMN 1 TYPE	COL 1 FY1	COL 1 FY2	COL 1 CSU	COL 1 CSL	COLUMN 2 TYPE	COL 2 FY1	COL 2 FY2	COL 2 CSU	COL 2 CSL	COLUMN 3 TYPE	COL 3 FY1	COL 3 FY2	COL 3 CSU	COL 3 CSL
109A 100 97	300	120	65	65	411	411	121	65	65	411	411	121	65	65	411	411
118A 100 97	300	121	60	60	411	411	121	60	60	411	411	121	60	60	411	411
127A 100 97	300	121	60	60	411	411	121	55	55	411	411	121	55	55	411	411
133A 100 97	300	122	55	55	411	411	122	55	55	411	411	122	55	55	411	411
142A 100 97	300	121	60	60	411	411	121	60	60	411	411	121	60	60	411	411
151A 100 97	300	121	65	65	411	411	121	65	65	411	411	120	70	70	411	411

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
109A 100 97	100	3/8	42	101	101	0 X 0	1/4	0	5210	1411	5210
118A 100 97	100	3/8	42	101	101	0 X 0	1/4	0	1411	5210	1411
127A 100 97	100	3/8	42	101	101	0 X 0	1/4	0	5110	1411	5210
133A 100 97	100	3/8	36	101	101	0 X 0	1/4	0	5210	1411	5110
142A 100 97	100	3/8	42	101	101	0 X 0	1/4	0	1411	5210	1411
151A 100 97	100	3/8	45	101	101	0 X 0	1/4	0	5210	1411	5210

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
109A 100 97	99	3/8	42	101	101	0 X 0	1/4	0	5210	1411	5210
118A 100 97	99	3/8	42	101	101	0 X 0	1/4	0	1411	5210	1411
127A 100 97	99	3/8	42	101	101	0 X 0	1/4	0	5110	1411	5210
133A 100 97	99	3/8	42	101	101	0 X 0	1/4	0	5210	1411	5110
142A 100 97	99	3/8	42	101	101	0 X 0	1/4	0	1411	5210	1411
151A 100 97	99	3/8	45	101	101	0 X 0	1/4	0	5210	1411	5210

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

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
109A 100 97	98	3/8	45	101	101	0 X 0	1/4	0	5210	1411	5210
118A 100 97	98	3/8	42	101	101	0 X 0	1/4	0	1411	5210	1411
127A 100 97	98	3/8	42	101	101	0 X 0	1/4	0	5110	1411	5210
133A 100 97	98	3/8	36	101	101	0 X 0	1/4	0	5210	1411	5110
142A 100 97	98	3/8	42	101	101	0 X 0	1/4	0	1411	5210	1411
151A 100 97	98	3/8	50	101	101	0 X 0	1/4	0	5210	1411	5210

4-A1-460

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

PROJECT: THE WORLD TRADE CENTER | TITLE: EXTERIOR WALL PANEL SCHEDULE | DATE: 6-5-67

REVISIONS

PANEL NUMBER	PANEL TYPE	COLUMN 1 TYPE	COL 1 FY1	COL 1 FY2	COL 1 CSU	COL 1 CSL	COLUMN 2 TYPE	COL 2 FY1	COL 2 FY2	COL 2 CSU	COL 2 CSL	COLUMN 3 TYPE	COL 3 FY1	COL 3 FY2	COL 3 CSU	COL 3 CSL
209A 100 97	300	120	60	60	411	411	120	60	60	411	411	120	60	60	411	411
218A 100 97	300	120	65	65	411	411	120	60	60	411	411	120	60	60	411	411
227A 100 97	300	120	60	60	411	411	120	55	55	411	411	120	55	55	411	411
233A 100 97	300	120	55	55	411	411	120	55	55	411	411	120	55	55	411	411
242A 100 97	300	120	60	60	411	411	120	60	60	411	411	120	60	60	411	411
251A 100 97	300	120	60	60	411	411	120	60	60	411	411	120	60	60	411	411

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
209A 100 97	100	3/8	42	101	101	0 X 0	1/4	0	5010	5210	1212
218A 100 97	100	3/8	42	101	101	0 X 0	1/4	0	1611	5210	1111
227A 100 97	100	3/8	36	101	101	0 X 0	1/4	0	5110	1111	5210
233A 100 97	100	3/8	36	101	101	0 X 0	1/4	0	5210	1111	5110
242A 100 97	100	3/8	42	101	101	0 X 0	1/4	0	1111	5210	1611
251A 100 97	100	3/8	36	101	101	0 X 0	1/4	0	1212	5210	5010

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
209A 100 97	99	3/8	42	101	101	0 X 0	1/4	0	5010	5210	1212
218A 100 97	99	3/8	42	101	101	0 X 0	1/4	0	1611	5210	1111
227A 100 97	99	3/8	42	101	101	0 X 0	1/4	0	5110	1111	5210
233A 100 97	99	3/8	36	101	101	0 X 0	1/4	0	5210	1111	5110
242A 100 97	99	3/8	42	101	101	0 X 0	1/4	0	1111	5210	1611
251A 100 97	99	3/8	42	101	101	0 X 0	1/4	0	1212	5210	5010



PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
209A 100 97	98	3/8	42	101	101	0 X 0	1/4	0	5010	5210	1212
218A 100 97	98	3/8	42	101	101	0 X 0	1/4	0	1611	5210	1111
227A 100 97	98	3/8	42	101	101	0 X 0	1/4	0	5110	1111	5210
233A 100 97	98	3/8	42	101	101	0 X 0	1/4	0	5210	1111	5110
242A 100 97	98	3/8	42	101	101	0 X 0	1/4	0	1111	5210	1611
251A 100 97	98	3/8	42	101	101	0 X 0	1/4	0	1212	5210	5010

4-A1-461

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

PROJECT: THE WORLD TRADE CENTER | TITLE: EXTERIOR WALL PANEL SCHEDULE | DATE: 6-5-67

REVISIONS

PANEL NUMBER	PANEL TYPE	COLUMN 1 TYPE	COL 1 FY1	COL 1 FY2	COL 1 CSU	COL 1 CSL	COLUMN 2 TYPE	COL 2 FY1	COL 2 FY2	COL 2 CSU	COL 2 CSL	COLUMN 3 TYPE	COL 3 FY1	COL 3 FY2	COL 3 CSU	COL 3 CSL
309A 100 97	300	120	65	65	411	411	121	65	65	411	411	121	65	65	411	411
318A 100 97	300	121	60	60	411	411	121	60	60	411	411	121	60	60	411	411
327A 100 97	300	121	60	60	411	411	121	55	55	411	411	121	55	55	411	411
333A 100 97	300	122	55	55	411	411	122	55	55	411	411	122	55	55	411	411
342A 100 97	300	121	65	65	411	411	121	65	65	411	411	121	65	65	411	411
351A 100 97	300	121	65	65	411	411	121	65	65	411	411	120	70	70	411	411

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	FY4	SCL	SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
309A 100 97	100	3/8	42	101	101	0 X 0	1/4	0	5210	1411	5210
318A 100 97	100	3/8	42	101	101	0 X 0	1/4	0	1411	5210	1411
327A 100 97	100	3/8	42	101	101	0 X 0	1/4	0	5110	1411	5210
333A 100 97	100	3/8	42	101	101	0 X 0	1/4	0	5210	1411	5110
342A 100 97	100	3/8	42	101	101	0 X 0	1/4	0	1411	5210	1411
351A 100 97	100	3/8	45	101	101	0 X 0	1/4	0	5210	1411	5210

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	FY4	SCL	SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
309A 100 97	99	3/8	42	101	101	0 X 0	1/4	0	5210	1411	5210
318A 100 97	99	3/8	42	101	101	0 X 0	1/4	0	1411	5210	1411
327A 100 97	99	3/8	42	101	101	0 X 0	1/4	0	5110	1411	5210
333A 100 97	99	3/8	42	101	101	0 X 0	1/4	0	5210	1411	5110
342A 100 97	99	3/8	42	101	101	0 X 0	1/4	0	1411	5210	1411
351A 100 97	99	3/8	45	101	101	0 X 0	1/4	0	5210	1411	5210

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

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	FY4	SCL	SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
309A 100 97	98	3/8	45	101	101	0 X 0	1/4	0	5210	1411	5210
318A 100 97	98	3/8	42	101	101	0 X 0	1/4	0	1411	5210	1411
327A 100 97	98	3/8	42	101	101	0 X 0	1/4	0	5110	1411	5210
333A 100 97	98	3/8	36	101	101	0 X 0	1/4	0	5210	1411	5110
342A 100 97	98	3/8	42	101	101	0 X 0	1/4	0	1411	5210	1411
351A 100 97	98	3/8	46	101	101	0 X 0	1/4	0	5210	1411	5210

4-A1-462

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

PROJECT: THE WORLD TRADE CENTER | TITLE: EXTERIOR WALL PANEL SCHEDULE | DATE: 6-5-67

REVISIONS

PANEL NUMBER	PANEL TYPE	COLUMN 1 TYPE	COL 1 FY1	COL 1 FY2	COL 1 CSU	COL 1 CSL	COLUMN 2 TYPE	COL 2 FY1	COL 2 FY2	COL 2 CSU	COL 2 CSL	COLUMN 3 TYPE	COL 3 FY1	COL 3 FY2	COL 3 CSU	COL 3 CSL
409A 100 97	300	120	60	60	411	411	120	60	60	411	411	120	60	60	411	411
418A 100 97	300	120	60	60	411	411	120	60	60	411	411	120	60	60	411	411
427A 100 97	300	120	55	55	411	411	120	55	55	411	411	120	55	55	411	411
433A 100 97	300	120	55	55	411	411	120	60	60	411	411	120	60	60	411	411
442A 100 97	300	120	60	60	411	411	120	60	60	411	411	120	65	65	411	411
451A 100 97	300	120	60	60	411	411	120	60	60	411	411	120	60	60	411	411

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
409A 100 97	100	3/8	42	101	101	0 X 0	1/4	0	5010	5210	1212
418A 100 97	100	3/8	42	101	101	0 X 0	1/4	0	1611	5210	1111
427A 100 97	100	3/8	36	101	101	0 X 0	1/4	0	5110	1111	5210
433A 100 97	100	3/8	36	101	101	0 X 0	1/4	0	5210	1111	5110
442A 100 97	100	3/8	42	101	101	0 X 0	1/4	0	1111	5210	1611
451A 100 97	100	3/8	42	101	101	0 X 0	1/4	0	1212	5210	5010

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
409A 100 97	99	3/8	42	101	101	0 X 0	1/4	0	5010	5210	1212
418A 100 97	99	3/8	42	101	101	0 X 0	1/4	0	1611	5210	1111
427A 100 97	99	3/8	36	101	101	0 X 0	1/4	0	5110	1111	5210
433A 100 97	99	3/8	42	101	101	0 X 0	1/4	0	5210	1111	5110
442A 100 97	99	3/8	42	101	101	0 X 0	1/4	0	1111	5210	1611
451A 100 97	99	3/8	42	101	101	0 X 0	1/4	0	1212	5210	5010

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
409A 100 97	98	3/8	42	101	101	0 X 0	1/4	0	5010	5210	1212
418A 100 97	98	3/8	42	101	101	0 X 0	1/4	0	1611	5210	1111
427A 100 97	98	3/8	42	101	101	0 X 0	1/4	0	5110	1111	5210
433A 100 97	98	3/8	42	101	101	0 X 0	1/4	0	5210	1111	5110
442A 100 97	98	3/8	42	101	101	0 X 0	1/4	0	1111	5210	1611
451A 100 97	98	3/8	42	101	101	0 X 0	1/4	0	1212	5210	5010

LICENSED PROFESSIONAL ENGINEER LESLIE E. ROBERTSON No. 34260 UNIVERSITY OF THE STATE OF NEW YORK

4-A1-463

WORTHINGTON, SKILLING, HELLE & JACKSON Civil & Structural Engineers

PROJECT: THE WORLD TRADE CENTER | TITLE: EXTERIOR WALL PANEL SCHEDULE | DATE: 6-5-67

REVISIONS

PANEL NUMBER	PANEL TYPE	COLUMN 1 TYPE	COL 1 FY1	COL 1 FY2	COL 1 CSU	COL 1 CSL	COLUMN 2 TYPE	COL 2 FY1	COL 2 FY2	COL 2 CSU	COL 2 CSL	COLUMN 3 TYPE	COL 3 FY1	COL 3 FY2	COL 3 CSU	COL 3 CSL
200A 100 98	210	120	75	75	411	421	520	75	75	0	0	120	75	75	411	421
400A 100 98	210	120	75	75	411	421	520	75	75	0	0	120	75	75	411	421

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
200A 100 98	100	3/8	50	111	111	0 X 0	1/4	0	1313	5010	5610
400A 100 98	100	3/8	50	111	111	0 X 0	1/4	0	1313	5010	5610

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
200A 100 98	99	3/8	55	111	111	1/4 X 7	1/4	0	1313	5010	5610
400A 100 98	99	3/8	50	111	111	0 X 0	1/4	0	1313	5010	5610

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

4-A1-464

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

PROJECT	TITLE	DATE
THE WORLD TRADE CENTER	EXTERIOR WALL PANEL SCHEDULE	6-5-67

REVISIONS

PANEL NUMBER	PANEL TYPE	COLUMN 1 TYPE	COL 1 FY1	COL 1 FY2	COL 1 CSU	COL 1 CSL	COLUMN 2 TYPE	COL 2 FY1	COL 2 FY2	COL 2 CSU	COL 2 CSL	COLUMN 3 TYPE	COL 3 FY1	COL 3 FY2	COL 3 CSU	COL 3 CSL
106A 101 98	300	120	60	60	411	411	120	60	60	411	411	120	60	60	411	411
115A 101 98	300	120	60	60	411	411	120	60	60	411	411	120	60	60	411	411
124A 101 98	300	120	60	60	411	411	120	60	60	411	411	120	60	60	411	411
136A 101 98	300	121	55	55	411	411	121	60	60	411	411	121	60	60	411	411
145A 101 98	300	120	65	65	411	411	120	65	65	411	411	120	65	65	411	411
154A 101 98	300	120	65	65	411	411	120	65	65	411	411	120	65	65	411	411

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
106A 101 98	101	3/8	42	101	101	0 X 0	1/4	0	1311	5110	1411
115A 101 98	101	3/8	42	101	101	0 X 0	1/4	0	5110	1411	5110
124A 101 98	101	3/8	36	101	101	0 X 0	1/4	0	1411	5110	1411
136A 101 98	101	3/8	42	101	101	0 X 0	1/4	0	1411	5110	1411
145A 101 98	101	3/8	42	101	101	0 X 0	1/4	0	5110	1411	5110
154A 101 98	101	3/8	42	101	101	0 X 0	1/4	0	1411	5110	1311

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
106A 101 98	100	3/8	42	101	101	0 X 0	1/4	0	1311	5110	1411
115A 101 98	100	3/8	42	101	101	0 X 0	1/4	0	5110	1411	5110
124A 101 98	100	3/8	42	101	101	0 X 0	1/4	0	1411	5110	1411
136A 101 98	100	3/8	36	101	101	0 X 0	1/4	0	1411	5110	1411
145A 101 98	100	3/8	42	101	101	0 X 0	1/4	0	5110	1411	5110
154A 101 98	100	3/8	42	101	101	0 X 0	1/4	0	1411	5110	1311

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

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
106A 101 98	99	3/8	42	101	101	0 X 0	1/4	0	1311	5110	1411
115A 101 98	99	3/8	42	101	101	0 X 0	1/4	0	5110	1411	5110
124A 101 98	99	3/8	42	101	101	0 X 0	1/4	0	1411	5110	1411
136A 101 98	99	3/8	42	101	101	0 X 0	1/4	0	1411	5110	1411
145A 101 98	99	3/8	45	101	101	0 X 0	1/4	0	5110	1411	5110
154A 101 98	99	3/8	45	101	101	0 X 0	1/4	0	1411	5110	1311

4-A1-465

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

PROJECT	TITLE	DATE
THE WORLD TRADE CENTER	EXTERIOR WALL PANEL SCHEDULE	6-5-67

REVISIONS

PANEL NUMBER	PANEL TYPE	COLUMN 1 TYPE	COL 1 FY1	COL 1 FY2	COL 1 CSU	COL 1 CSL	COLUMN 2 TYPE	COL 2 FY1	COL 2 FY2	COL 2 CSU	COL 2 CSL	COLUMN 3 TYPE	COL 3 FY1	COL 3 FY2	COL 3 CSU	COL 3 CSL
206A 101 98	300	120	60	60	411	411	120	60	60	411	411	120	60	60	411	411
215A 101 98	300	120	60	60	411	411	120	60	60	411	411	120	60	60	411	411
224A 101 98	300	120	55	55	411	411	120	55	55	411	411	120	55	55	411	411
236A 101 98	300	120	55	55	411	411	120	55	55	411	411	120	55	55	411	411
245A 101 98	300	120	60	60	411	411	120	60	60	411	411	120	55	55	411	411
254A 101 98	300	120	55	55	411	411	120	55	55	411	411	120	55	55	411	411

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SPD FY4	SPD SCL	SPD SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
206A 101 98	101	3/8	36	101	101	0 X 0	1/4	0	5110	1212	5110
215A 101 98	101	3/8	42	101	101	0 X 0	1/4	0	1212	5510	5110
224A 101 98	101	3/8	36	101	101	0 X 0	1/4	0	1111	5110	1111
236A 101 98	101	3/8	36	101	101	0 X 0	1/4	0	1111	5110	1111
245A 101 98	101	3/8	36	101	101	0 X 0	1/4	0	5110	5310	1212
254A 101 98	101	3/8	36	101	101	0 X 0	1/4	0	5110	1212	5110

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SPD FY4	SPD SCL	SPD SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
206A 101 98	100	3/8	42	101	101	0 X 0	1/4	0	5110	1212	5110
215A 101 98	100	3/8	42	101	101	0 X 0	1/4	0	1212	5510	5110
~~224A 101 98~~	~~100~~	~~3/8~~	~~36~~	~~101~~	~~101~~	~~0 X 0~~	~~1/4~~	~~0~~	~~1111~~	~~5110~~	~~1111~~
236A 101 98	100	3/8	36	101	101	0 X 0	1/4	0	1111	5110	1111
245A 101 98	100	3/8	42	101	101	0 X 0	1/4	0	5110	5310	1212
254A 101 98	100	3/8	36	101	101	0 X 0	1/4	0	5110	1212	5110

LICENSED PROFESSIONAL ENG. LESLIE E. ROBERT No. 34360 UNIVERSITY OF THE STATE OF N.

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SPD FY4	SPD SCL	SPD SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
206A 101 98	99	3/8	42	101	101	0 X 0	1/4	0	5110	1212	5110
215A 101 98	99	3/8	42	101	101	0 X 0	1/4	0	1212	5510	5110
224A 101 98	99	3/8	42	101	101	0 X 0	1/4	0	1111	5110	1111
236A 101 98	99	3/8	42	101	101	0 X 0	1/4	0	1111	5110	1111
245A 101 98	99	3/8	42	101	101	0 X 0	1/4	0	5110	5310	1212
254A 101 98	99	3/8	42	101	101	0 X 0	1/4	0	5110	1212	5110

4-A1-466

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

PROJECT: THE WORLD TRADE CENTER | TITLE: EXTERIOR WALL PANEL SCHEDULE | DATE: 6-5-67

REVISIONS

PANEL NUMBER	PANEL TYPE	COLUMN 1 TYPE	COL 1 FY1	COL 1 FY2	COL 1 CSU	COL 1 CSL	COLUMN 2 TYPE	COL 2 FY1	COL 2 FY2	COL 2 CSU	COL 2 CSL	COLUMN 3 TYPE	COL 3 FY1	COL 3 FY2	COL 3 CSU	COL 3 CSL
306A 101 98	300	120	60	60	411	411	120	60	60	411	411	120	60	60	411	411
315A 101 98	300	120	60	60	411	411	120	60	60	411	411	120	60	60	411	411
324A 101 98	300	120	60	60	411	411	120	60	60	411	411	120	60	60	411	411
336A 101 98	300	121	60	60	411	411	121	60	60	411	411	121	60	60	411	411
345A 101 98	300	120	65	65	411	411	120	65	65	411	411	120	65	65	411	411
354A 101 98	300	120	65	65	411	411	120	65	65	411	411	120	65	65	411	411

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
306A 101 98	101	3/8	42	101	101	0 X 0	1/4	0	1311	5110	1411
315A 101 98	101	3/8	42	101	101	0 X 0	1/4	0	5110	1411	5110
324A 101 98	101	3/8	36	101	101	0 X 0	1/4	0	1411	5110	1411
336A 101 98	101	3/8	42	101	101	0 X 0	1/4	0	1411	5110	1411
345A 101 98	101	3/8	42	101	101	0 X 0	1/4	0	5110	1411	5110
354A 101 98	101	3/8	42	101	101	0 X 0	1/4	0	1411	5110	1311

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
306A 101 98	100	3/8	42	101	101	0 X 0	1/4	0	1311	5110	1411
315A 101 98	100	3/8	42	101	101	0 X 0	1/4	0	5110	1411	5110
324A 101 98	100	3/8	42	101	101	0 X 0	1/4	0	1411	5110	1411
336A 101 98	100	3/8	42	101	101	0 X 0	1/4	0	1411	5110	1411
345A 101 98	100	3/8	42	101	101	0 X 0	1/4	0	5110	1411	5110
354A 101 98	100	3/8	42	101	101	0 X 0	1/4	0	1411	5110	1311

LICENSED PROFESSIONAL ENGINEER LESLIE E. ROBERTSON NO. 54360 UNIVERSITY OF THE STATE OF NEW YORK

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
306A 101 98	99	3/8	42	101	101	0 X 0	1/4	0	1311	5110	1411
315A 101 98	99	3/8	42	101	101	0 X 0	1/4	0	5110	1411	5110
324A 101 98	99	3/8	42	101	101	0 X 0	1/4	0	1411	5110	1411
336A 101 98	99	3/8	42	101	101	0 X 0	1/4	0	1411	5110	1411
345A 101 98	99	3/8	45	101	101	0 X 0	1/4	0	5110	1411	5110
354A 101 98	99	3/8	45	101	101	0 X 0	1/4	0	1411	5110	1311

4-A1-467

WORTHINGTON, SKILLING, HELLE & JACKSON Civil & Structural Engineers

PROJECT: THE WORLD TRADE CENTER | TITLE: EXTERIOR WALL PANEL SCHEDULE | DATE: 6-5-67

REVISIONS

PANEL NUMBER	PANEL TYPE	COLUMN 1 TYPE	COL 1 FY1	COL 1 FY2	COL 1 CSU	COL 1 CSL	COLUMN 2 TYPE	COL 2 FY1	COL 2 FY2	COL 2 CSU	COL 2 CSL	COLUMN 3 TYPE	COL 3 FY1	COL 3 FY2	COL 3 CSU	COL 3 CSL
406A 101 98	300	120	60	60	411	411	120	60	60	411	411	120	55	55	411	411
415A 101 98	300	120	55	55	411	411	120	60	60	411	411	120	60	60	411	411
424A 101 98	300	120	55	55	411	411	120	55	55	411	411	120	55	55	411	411
436A 101 98	300	120	55	55	411	411	120	55	55	411	411	120	60	60	411	411
445A 101 98	300	120	60	60	411	411	120	60	60	411	411	120	60	60	411	411
454A 101 98	300	120	60	60	411	411	120	60	60	411	411	120	60	60	411	411

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
406A 101 98	101	3/8	36	101	101	0 X 0	1/4	0	5110	1212	5110
415A 101 98	101	3/8	36	101	101	0 X 0	1/4	0	1212	5510	5110
424A 101 98	101	3/8	36	101	101	0 X 0	1/4	0	1111	5110	1111
436A 101 98	101	3/8	36	101	101	0 X 0	1/4	0	1111	5110	1111
445A 101 98	101	3/8	42	101	101	0 X 0	1/4	0	5110	5310	1212
454A 101 98	101	3/8	36	101	101	0 X 0	1/4	0	5110	1212	5110

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
406A 101 98	100	3/8	42	101	101	0 X 0	1/4	0	5110	1212	5110
415A 101 98	100	3/8	42	101	101	0 X 0	1/4	0	1212	5510	5110
~~424A 101 98~~	~~100~~	~~3/8~~	~~36~~	~~101~~	~~101~~	~~0 X 0~~	~~1/4~~	~~0~~	~~1111~~	~~5110~~	~~1111~~
436A 101 98	100	3/8	42	101	101	0 X 0	1/4	0	1111	5110	1111
445A 101 98	100	3/8	42	101	101	0 X 0	1/4	0	5110	5310	1212
454A 101 98	100	3/8	42	101	101	0 X 0	1/4	0	5110	1212	5110

LICENSED PROFESSIONAL ENGINEER LESLIE E. ROBERTSON No. 54360 UNIVERSITY OF THE STATE OF NEW YORK

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
406A 101 98	99	3/8	42	101	101	0 X 0	1/4	0	5110	1212	5110
415A 101 98	99	3/8	42	101	101	0 X 0	1/4	0	1212	5510	5110
424A 101 98	99	3/8	36	101	101	0 X 0	1/4	0	1111	5110	1111
436A 101 98	99	3/8	42	101	101	0 X 0	1/4	0	1111	5110	1111
445A 101 98	99	3/8	42	101	101	0 X 0	1/4	0	5110	5310	1212
454A 101 98	99	3/8	42	101	101	0 X 0	1/4	0	5110	1212	5110

4-A1-468

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

PROJECT: THE WORLD TRADE CENTER | TITLE: EXTERIOR WALL PANEL SCHEDULE | DATE: 6-5-67

REVISIONS

PANEL NUMBER	PANEL TYPE	COLUMN 1 TYPE	COL 1 FY1	COL 1 FY2	COL 1 CSU	COL 1 CSL	COLUMN 2 TYPE	COL 2 FY1	COL 2 FY2	COL 2 CSU	COL 2 CSL	COLUMN 3 TYPE	COL 3 FY1	COL 3 FY2	COL 3 CSU	COL 3 CSL
100A 101 99	210	120	70	70	411	411	520	70	70	0	0	120	65	65	411	411
300A 101 99	210	120	70	70	411	411	520	70	70	0	0	120	65	65	411	411

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SPD FY4	SPD SCL	SPD SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
100A 101 99	101	3/8	50	111	111	0 X 0	1/4	0	5410	5010	1313
300A 101 99	101	3/8	50	111	111	0 X 0	1/4	0	5410	5010	1313

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SPD FY4	SPD SCL	SPD SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
100A 101 99	100	3/8	50	111	111	0 X 0	1/4	0	5410	5010	1313
300A 101 99	100	3/8	50	111	111	0 X 0	1/4	0	5410	5010	1313

LICENSED PROFESSIONAL ENGINEER — LESLIE E. ROBERTSON — NO. 34[illegible] — UNIVERSITY OF THE STATE [illegible]

4-A1-469

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

PROJECT: THE WORLD TRADE CENTER | TITLE: EXTERIOR WALL PANEL SCHEDULE | DATE: 6-5-67

REVISIONS

PANEL NUMBER	PANEL TYPE	COLUMN 1 TYPE	C1 FY1	C1 FY2	C1 CSU	C1 CSL	COLUMN 2 TYPE	C2 FY1	C2 FY2	C2 CSU	C2 CSL	COLUMN 3 TYPE	C3 FY1	C3 FY2	C3 CSU	C3 CSL
103A 102 99	300	120	60	60	411	411	120	55	55	411	411	120	55	55	411	411
112A 102 99	300	120	60	60	411	411	120	60	60	411	411	120	60	60	411	411
121A 102 99	300	120	55	55	411	411	120	55	55	411	411	120	55	55	411	411
130A 102 99	300	120	55	55	411	411	121	55	55	411	411	121	55	55	411	411
139A 102 99	300	121	60	60	411	411	121	60	60	411	411	121	60	60	411	411
148A 102 99	300	120	65	65	411	411	120	65	65	411	411	120	65	65	411	411
157A 102 99	300	120	60	60	411	411	120	60	60	411	411	120	60	60	411	411

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	FY4	SCL	SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
103A 102 99	102	3/8	42	111	101	0 X 0	1/4	0	5110	1311	5210
112A 102 99	102	3/8	36	101	101	0 X 0	1/4	0	1511	5210	1411
121A 102 99	102	3/8	36	101	101	0 X 0	1/4	0	5210	1411	5210
130A 102 99	102	3/8	36	101	101	0 X 0	1/4	0	1411	5210	1411
139A 102 99	102	3/8	42	101	101	0 X 0	1/4	0	5210	1411	5210
148A 102 99	102	3/8	42	101	101	0 X 0	1/4	0	1411	5210	1511
157A 102 99	102	3/8	42	101	111	0 X 0	1/4	0	5210	1311	5110

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	FY4	SCL	SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
103A 102 99	101	3/8	42	111	101	0 X 0	1/4	0	5110	1311	5210
112A 102 99	101	3/8	42	101	101	0 X 0	1/4	0	1511	5210	1411
121A 102 99	101	3/8	42	101	101	0 X 0	1/4	0	5210	1411	5210
130A 102 99	101	3/8	42	101	101	0 X 0	1/4	0	1411	5210	1411
139A 102 99	101	3/8	42	101	101	0 X 0	1/4	0	5210	1411	5210
148A 102 99	101	3/8	42	101	101	0 X 0	1/4	0	1411	5210	1511
157A 102 99	101	3/8	45	101	111	0 X 0	1/4	0	5210	1311	5110

LICENSED PROFESSIONAL ENGINEER — LESLIE E. ROBERTSON — No. 34200 — UNIVERSITY OF THE STATE OF NEW YORK

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	FY4	SCL	SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
103A 102 99	100	3/8	45	111	101	0 X 0	1/4	0	5110	1311	5210
112A 102 99	100	3/8	42	101	101	0 X 0	1/4	0	1511	5210	1411
121A 102 99	100	3/8	42	101	101	0 X 0	1/4	0	5210	1411	5210
130A 102 99	100	3/8	42	101	101	0 X 0	1/4	0	1411	5210	1411
139A 102 99	100	3/8	42	101	101	0 X 0	1/4	0	5210	1411	5210
148A 102 99	100	3/8	45	101	101	0 X 0	1/4	0	1411	5210	1511
157A 102 99	100	3/8	50	101	111	0 X 0	1/4	0	5210	1311	5110

4-A1-470

WORTHINGTON, SKILLING, HELLE & JACKSON Civil & Structural Engineers

PROJECT: THE WORLD TRADE CENTER | TITLE: EXTERIOR WALL PANEL SCHEDULE | DATE: 6-5-67

REVISIONS

PANEL NUMBER	PANEL TYPE	COLUMN 1 TYPE	COL 1 FY1	COL 1 FY2	COL 1 CSU	COL 1 CSL	COLUMN 2 TYPE	COL 2 FY1	COL 2 FY2	COL 2 CSU	COL 2 CSL	COLUMN 3 TYPE	COL 3 FY1	COL 3 FY2	COL 3 CSU	COL 3 CSL
203A 102 99	300	120	60	60	411	411	120	55	55	411	411	120	55	55	411	411
212A 102 99	300	120	55	55	411	411	120	55	55	411	411	120	55	55	411	411
221A 102 99	300	120	55	55	411	411	120	55	55	411	411	120	55	55	411	411
230A 102 99	300	120	50	50	411	411	120	50	50	411	411	120	50	50	411	411
239A 102 99	300	120	55	55	411	411	120	55	55	411	411	120	55	55	411	411
248A 102 99	300	120	55	55	411	411	120	55	55	411	411	120	55	55	411	411
257A 102 99	300	120	55	55	411	411	120	55	55	411	411	120	60	60	411	411

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
203A 102 99	102	3/8	46	111	101	0 X 0	1/4	0	1013	5210	5010
212A 102 99	102	3/8	36	101	101	0 X 0	1/4	0	5210	5010	5210
221A 102 99	102	3/8	36	101	101	0 X 0	1/4	0	5210	1111	5210
230A 102 99	102	3/8	36	101	101	0 X 0	1/4	0	1111	5210	1111
239A 102 99	102	3/8	36	101	101	0 X 0	1/4	0	5210	1111	5210
248A 102 99	102	3/8	36	101	101	0 X 0	1/4	0	5210	5010	5210
257A 102 99	102	3/8	46	101	111	0 X 0	1/4	0	5010	5210	1013

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
203A 102 99	101	3/8	46	111	101	0 X 0	1/4	0	1013	5210	5010
212A 102 99	101	3/8	36	101	101	0 X 0	1/4	0	5210	5010	5210
221A 102 99	101	3/8	36	101	101	0 X 0	1/4	0	5210	1111	5210
230A 102 99	101	3/8	36	101	101	0 X 0	1/4	0	1111	5210	1111
239A 102 99	101	3/8	36	101	101	0 X 0	1/4	0	5210	1111	5210
248A 102 99	101	3/8	36	101	101	0 X 0	1/4	0	5210	5010	5210
257A 102 99	101	3/8	46	101	111	0 X 0	1/4	0	5010	5210	1013

LICENSED PROFESSIONAL ENGINEER LESLIE E. ROBERTSON NO. 24860 UNIVERSITY OF THE STATE OF

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
203A 102 99	100	3/8	50	111	101	0 X 0	1/4	0	1013	5210	5010
212A 102 99	100	3/8	42	101	101	0 X 0	1/4	0	5210	5010	5210
221A 102 99	100	3/8	42	101	101	0 X 0	1/4	0	5210	1111	5210
230A 102 99	100	3/8	36	101	101	0 X 0	1/4	0	1111	5210	1111
239A 102 99	100	3/8	42	101	101	0 X 0	1/4	0	5210	1111	5210
248A 102 99	100	3/8	36	101	101	0 X 0	1/4	0	5210	5010	5210
257A 102 99	100	3/8	46	101	111	0 X 0	1/4	0	5010	5210	1013

4-A1-471

WORTHINGTON, SKILLING, HELLE & JACKSON Civil & Structural Engineers

PROJECT	TITLE	DATE
THE WORLD TRADE CENTER	EXTERIOR WALL PANEL SCHEDULE	6-5-67

REVISIONS

PANEL NUMBER	PANEL TYPE	COLUMN 1 TYPE	COL 1 FY1	COL 1 FY2	COL 1 CSU	COL 1 CSL	COLUMN 2 TYPE	COL 2 FY1	COL 2 FY2	COL 2 CSU	COL 2 CSL	COLUMN 3 TYPE	COL 3 FY1	COL 3 FY2	COL 3 CSU	COL 3 CSL
303A 102 99	300	120	60	60	411	411	120	55	55	411	411	120	55	55	411	411
312A 102 99	300	120	60	60	411	411	120	60	60	411	411	120	60	60	411	411
321A 102 99	300	120	55	55	411	411	120	55	55	411	411	120	55	55	411	411
330A 102 99	300	120	60	60	411	411	121	55	55	411	411	121	55	55	411	411
339A 102 99	300	121	60	60	411	411	121	60	60	411	411	121	60	60	411	411
348A 102 99	300	120	65	65	411	411	120	65	65	411	411	120	65	65	411	411
357A 102 99	300	120	60	60	411	411	120	60	60	411	411	120	60	60	411	411

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	WELD NO 6	WELD NO 7	SEAT DETAIL COL 1	SEAT COL 2	SEAT COL 3
303A 102 99	102	3/8	42	111	101	0 X 0	1/4	0	5110	1311	5210
312A 102 99	102	3/8	36	101	101	0 X 0	1/4	0	1511	5210	1411
321A 102 99	102	3/8	36	101	101	0 X 0	1/4	0	5210	1411	5210
330A 102 99	102	3/8	36	101	101	0 X 0	1/4	0	1411	5210	1411
339A 102 99	102	3/8	42	101	101	0 X 0	1/4	0	5210	1411	5210
348A 102 99	102	3/8	42	101	101	0 X 0	1/4	0	1411	5210	1511
357A 102 99	102	3/8	42	101	111	0 X 0	1/4	0	5210	1311	5110

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	WELD NO 6	WELD NO 7	SEAT DETAIL COL 1	SEAT COL 2	SEAT COL 3
303A 102 99	101	3/8	42	111	101	0 X 0	1/4	0	5110	1311	5210
312A 102 99	101	3/8	42	101	101	0 X 0	1/4	0	1511	5210	1411
321A 102 99	101	3/8	36	101	101	0 X 0	1/4	0	5210	1411	5210
330A 102 99	101	3/8	42	101	101	0 X 0	1/4	0	1411	5210	1411
339A 102 99	101	3/8	42	101	101	0 X 0	1/4	0	5210	1411	5210
348A 102 99	101	3/8	42	101	101	0 X 0	1/4	0	1411	5210	1511
357A 102 99	101	3/8	45	101	111	0 X 0	1/4	0	5210	1311	5110

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

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	WELD NO 6	WELD NO 7	SEAT DETAIL COL 1	SEAT COL 2	SEAT COL 3
303A 102 99	100	3/8	45	111	101	0 X 0	1/4	0	5110	1311	5210
312A 102 99	100	3/8	42	101	101	0 X 0	1/4	0	1511	5210	1411
321A 102 99	100	3/8	42	101	101	0 X 0	1/4	0	5210	1411	5210
330A 102 99	100	3/8	42	101	101	0 X 0	1/4	0	1411	5210	1411
339A 102 99	100	3/8	42	101	101	0 X 0	1/4	0	5210	1411	5210
348A 102 99	100	3/8	45	101	101	0 X 0	1/4	0	1411	5210	1511
357A 102 99	100	3/8	46	101	111	0 X 0	1/4	0	5210	1311	5110

4-A1-472

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

PROJECT: THE WORLD TRADE CENTER | TITLE: EXTERIOR WALL PANEL SCHEDULE | DATE: 6-5-67

REVISIONS

PANEL NUMBER	PANEL TYPE	COLUMN 1 TYPE	COL 1 FY1	COL 1 FY2	COL 1 CSU	COL 1 CSL	COLUMN 2 TYPE	COL 2 FY1	COL 2 FY2	COL 2 CSU	COL 2 CSL	COLUMN 3 TYPE	COL 3 FY1	COL 3 FY2	COL 3 CSU	COL 3 CSL
403A 102 99	300	120	60	60	411	411	120	55	55	411	411	120	55	55	411	411
412A 102 99	300	120	55	55	411	411	120	55	55	411	411	120	55	55	411	411
421A 102 99	300	120	55	55	411	411	120	55	55	411	411	120	55	55	411	411
430A 102 99	300	120	50	50	411	411	120	50	50	411	411	120	55	55	411	411
439A 102 99	300	120	55	55	411	411	120	55	55	411	411	120	55	55	411	411
448A 102 99	300	120	55	55	411	411	120	55	55	411	411	120	55	55	411	411
457A 102 99	300	120	55	55	411	411	120	55	55	411	411	120	60	60	411	411

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
403A 102 99	102	3/8	46	111	101	0 X 0	1/4	0	1013	5210	5010
412A 102 99	102	3/8	36	101	101	0 X 0	1/4	0	5210	5010	5210
421A 102 99	102	3/8	36	101	101	0 X 0	1/4	0	5210	1111	5210
430A 102 99	102	3/8	36	101	101	0 X 0	1/4	0	1111	5210	1111
439A 102 99	102	3/8	36	101	101	0 X 0	1/4	0	5210	1111	5210
448A 102 99	102	3/8	36	101	101	0 X 0	1/4	0	5210	5010	5210
457A 102 99	102	3/8	46	101	111	0 X 0	1/4	0	5010	5210	1013

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
403A 102 99	101	3/8	46	111	101	0 X 0	1/4	0	1013	5210	5010
412A 102 99	101	3/8	36	101	101	0 X 0	1/4	0	5210	5010	5210
421A 102 99	101	3/8	36	101	101	0 X 0	1/4	0	5210	1111	5210
430A 102 99	101	3/8	36	101	101	0 X 0	1/4	0	1111	5210	1111
439A 102 99	101	3/8	42	101	101	0 X 0	1/4	0	5210	1111	5210
448A 102 99	101	3/8	36	101	101	0 X 0	1/4	0	5210	5010	5210
457A 102 99	101	3/8	46	101	111	0 X 0	1/4	0	5010	5210	1013

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

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
403A 102 99	100	3/8	46	111	101	0 X 0	1/4	0	1013	5210	5010
412A 102 99	100	3/8	36	101	101	0 X 0	1/4	0	5210	5010	5210
421A 102 99	100	3/8	36	101	101	0 X 0	1/4	0	5210	1111	5210
430A 102 99	100	3/8	36	101	101	0 X 0	1/4	0	1111	5210	1111
439A 102 99	100	3/8	42	101	101	0 X 0	1/4	0	5210	1111	5210
448A 102 99	100	3/8	42	101	101	0 X 0	1/4	0	5210	5010	5210
457A 102 99	100	3/8	46	101	111	0 X 0	1/4	0	5010	5210	1013

4-A1-473

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

PROJECT: THE WORLD TRADE CENTER | TITLE: EXTERIOR WALL PANEL SCHEDULE | DATE: 6-5-67

REVISIONS

PANEL NUMBER	PANEL TYPE	COLUMN 1 TYPE	COL 1 FY1	COL 1 FY2	COL 1 CSU	COL 1 CSL	COLUMN 2 TYPE	COL 2 FY1	COL 2 FY2	COL 2 CSU	COL 2 CSL	COLUMN 3 TYPE	COL 3 FY1	COL 3 FY2	COL 3 CSU	COL 3 CSL
200A 102 100	210	120	65	65	411	411	520	70	70	0	0	120	70	70	411	411
400A 102 100	210	120	65	65	411	411	520	70	70	0	0	120	70	70	411	411

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
200A 102 100	102	3/8	50	111	111	0 X 0	1/4	0	1313	5010	5610
400A 102 100	102	3/8	50	111	111	0 X 0	1/4	0	1313	5010	5610

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
200A 102 100	101	3/8	50	111	111	0 X 0	1/4	0	1313	5010	5610
400A 102 100	101	3/8	50	111	111	0 X 0	1/4	0	1313	5010	5610

LICENSED PROFESSIONAL ENGINEER — LESLIE E. ROBERTS — No. 34360 — UNIVERSITY OF THE STATE OF [illegible]

4-A1-474

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

PROJECT: THE WORLD TRADE CENTER | TITLE: EXTERIOR WALL PANEL SCHEDULE | DATE: 6-5-67

REVISIONS

PANEL NUMBER	PANEL TYPE	COLUMN 1 TYPE	C1 FY1	C1 FY2	C1 CSU	C1 CSL	COLUMN 2 TYPE	C2 FY1	C2 FY2	C2 CSU	C2 CSL	COLUMN 3 TYPE	C3 FY1	C3 FY2	C3 CSU	C3 CSL
109A 103 100	300	120	55	55	411	411	120	55	55	411	411	120	55	55	411	411
118A 103 100	300	120	55	55	411	411	120	55	55	411	411	120	55	55	411	411
127A 103 100	300	120	55	55	411	411	120	55	55	411	411	120	55	55	411	411
133A 103 100	300	120	55	55	411	411	120	55	55	411	411	120	55	55	411	411
142A 103 100	300	120	60	60	411	411	120	60	60	411	411	120	60	60	411	411
151A 103 100	300	120	60	60	411	411	120	60	60	411	411	120	60	60	411	411

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
109A 103 100	103	3/8	36	101	101	0 X 0	1/4	0	5210	1411	5210
118A 103 100	103	3/8	36	101	101	0 X 0	1/4	0	1411	5210	1411
127A 103 100	103	3/8	36	101	101	0 X 0	1/4	0	5110	1411	5210
133A 103 100	103	3/8	36	101	101	0 X 0	1/4	0	5210	1411	5110
142A 103 100	103	3/8	36	101	101	0 X 0	1/4	0	1411	5210	1411
151A 103 100	103	3/8	36	101	101	0 X 0	1/4	0	5210	1411	5210

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
109A 103 100	102	3/8	36	101	101	0 X 0	1/4	0	5210	1411	5210
118A 103 100	102	3/8	36	101	101	0 X 0	1/4	0	1411	5210	1411
127A 103 100	102	3/8	36	101	101	0 X 0	1/4	0	5110	1411	5210
133A 103 100	102	3/8	36	101	101	0 X 0	1/4	0	5210	1411	5110
142A 103 100	102	3/8	42	101	101	0 X 0	1/4	0	1411	5210	1411
151A 103 100	102	3/8	42	101	101	0 X 0	1/4	0	5210	1411	5210

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
109A 103 100	101	3/8	42	101	101	0 X 0	1/4	0	5210	1411	5210
118A 103 100	101	3/8	42	101	101	0 X 0	1/4	0	1411	5210	1411
127A 103 100	101	3/8	36	101	101	0 X 0	1/4	0	5110	1411	5210
133A 103 100	101	3/8	42	101	101	0 X 0	1/4	0	5210	1411	5110
142A 103 100	101	3/8	42	101	101	0 X 0	1/4	0	1411	5210	1411
151A 103 100	101	3/8	42	101	101	0 X 0	1/4	0	5210	1411	5210

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

4-A1-475

WORTHINGTON, SKILLING, HELLE & JACKSON Civil & Structural Engineers

PROJECT: THE WORLD TRADE CENTER | TITLE: EXTERIOR WALL PANEL SCHEDULE | DATE: 6-5-67

REVISIONS

PANEL NUMBER	PANEL TYPE	COLUMN 1 TYPE	COL 1 FY1	COL 1 FY2	COL 1 CSU	COL 1 CSL	COLUMN 2 TYPE	COL 2 FY1	COL 2 FY2	COL 2 CSU	COL 2 CSL	COLUMN 3 TYPE	COL 3 FY1	COL 3 FY2	COL 3 CSU	COL 3 CSL
209A 103 100	300	120	55	55	411	411	120	55	55	411	411	120	55	55	411	411
218A 103 100	300	120	55	55	411	411	120	55	55	411	411	120	55	55	411	411
227A 103 100	300	120	50	50	411	411	120	50	50	411	411	120	50	50	411	411
233A 103 100	300	120	46	46	411	411	120	50	50	411	411	120	50	50	411	411
242A 103 100	300	120	55	55	411	411	120	55	55	411	411	120	55	55	411	411
251A 103 100	300	120	50	50	411	411	120	50	50	411	411	120	50	50	411	411

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
209A 103 100	103	3/8	36	101	101	0 X 0	1/4	0	5010	5210	1212
218A 103 100	103	3/8	36	101	101	0 X 0	1/4	0	1611	5210	1111
227A 103 100	103	3/8	36	101	101	0 X 0	1/4	0	5110	1111	5210
233A 103 100	103	3/8	36	101	101	0 X 0	1/4	0	5210	1111	5110
242A 103 100	103	3/8	36	101	101	0 X 0	1/4	0	1111	5210	1611
251A 103 100	103	3/8	36	101	101	0 X 0	1/4	0	1212	5210	5010

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
209A 103 100	102	3/8	36	101	101	0 X 0	1/4	0	5010	5210	1212
218A 103 100	102	3/8	36	101	101	0 X 0	1/4	0	1611	5210	1111
~~227A 103 100~~	~~102~~	~~3/8~~	~~36~~	~~101~~	~~101~~	~~0 X 0~~	~~1/4~~	~~0~~	~~5110~~	~~1111~~	~~5210~~
233A 103 100	102	3/8	36	101	101	0 X 0	1/4	0	5210	1111	5110
242A 103 100	102	3/8	36	101	101	0 X 0	1/4	0	1111	5210	1611
251A 103 100	102	3/8	36	101	101	0 X 0	1/4	0	1212	5210	5010

LICENSED PROFESSIONAL ENGINEER LESLIE E. ROBERTSON No. 34360 UNIVERSITY OF THE STATE OF N.Y.

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
209A 103 100	101	3/8	36	101	101	0 X 0	1/4	0	5010	5210	1212
218A 103 100	101	3/8	42	101	101	0 X 0	1/4	0	1611	5210	1111
227A 103 100	101	3/8	36	101	101	0 X 0	1/4	0	5110	1111	5210
233A 103 100	101	3/8	36	101	101	0 X 0	1/4	0	5210	1111	5110
242A 103 100	101	3/8	36	101	101	0 X 0	1/4	0	1111	5210	1611
251A 103 100	101	3/8	36	101	101	0 X 0	1/4	0	1212	5210	5010

4-A1-476

WORTHINGTON, SKILLING, HELLE & JACKSON Civil & Structural Engineers

PROJECT	TITLE	DATE
THE WORLD TRADE CENTER	EXTERIOR WALL PANEL SCHEDULE	6-5-67

REVISIONS

PANEL NUMBER	PANEL TYPE	COLUMN 1 TYPE	COL 1 FY1	COL 1 FY2	COL 1 CSU	COL 1 CSL	COLUMN 2 TYPE	COL 2 FY1	COL 2 FY2	COL 2 CSU	COL 2 CSL	COLUMN 3 TYPE	COL 3 FY1	COL 3 FY2	COL 3 CSU	COL 3 CSL
309A 103 100	300	120	55	55	411	411	120	55	55	411	411	120	55	55	411	411
318A 103 100	300	120	55	55	411	411	120	55	55	411	411	120	55	55	411	411
327A 103 100	300	120	55	55	411	411	120	55	55	411	411	120	55	55	411	411
333A 103 100	300	120	60	60	411	411	120	60	60	411	411	120	60	60	411	411
342A 103 100	300	120	60	60	411	411	120	60	60	411	411	120	60	60	411	411
351A 103 100	300	120	60	60	411	411	120	60	60	411	411	120	60	60	411	411

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
309A 103 100	103	3/8	36	101	101	0 X 0	1/4	0	5210	1411	5210
318A 103 100	103	3/8	36	101	101	0 X 0	1/4	0	1411	5210	1411
327A 103 100	103	3/8	36	101	101	0 X 0	1/4	0	5110	1411	5210
333A 103 100	103	3/8	36	101	101	0 X 0	1/4	0	5210	1411	5110
342A 103 100	103	3/8	36	101	101	0 X 0	1/4	0	1411	5210	1411
351A 103 100	103	3/8	42	101	101	0 X 0	1/4	0	5210	1411	5210

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
309A 103 100	102	3/8	36	101	101	0 X 0	1/4	0	5210	1411	5210
318A 103 100	102	3/8	36	101	101	0 X 0	1/4	0	1411	5210	1411
327A 103 100	102	3/8	36	101	101	0 X 0	1/4	0	5110	1411	5210
333A 103 100	102	3/8	42	101	101	0 X 0	1/4	0	5210	1411	5110
342A 103 100	102	3/8	42	101	101	0 X 0	1/4	0	1411	5210	1411
351A 103 100	102	3/8	42	101	101	0 X 0	1/4	0	5210	1411	5210

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

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
309A 103 100	101	3/8	42	101	101	0 X 0	1/4	0	5210	1411	5210
318A 103 100	101	3/8	42	101	101	0 X 0	1/4	0	1411	5210	1411
327A 103 100	101	3/8	42	101	101	0 X 0	1/4	0	5110	1411	5210
333A 103 100	101	3/8	42	101	101	0 X 0	1/4	0	5210	1411	5110
342A 103 100	101	3/8	42	101	101	0 X 0	1/4	0	1411	5210	1411
351A 103 100	101	3/8	42	101	101	0 X 0	1/4	0	5210	1411	5210

4-A1-477

WORTHINGTON, SKILLING, HELLE & JACKSON Civil & Structural Engineers

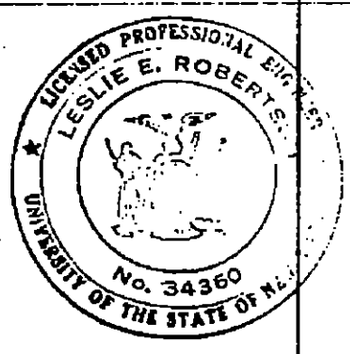
PROJECT THE WORLD TRADE CENTER | TITLE EXTERIOR WALL PANEL SCHEDULE | DATE 6-5-67

REVISIONS

PANEL NUMBER	PANEL TYPE	COLUMN 1 TYPE	COL 1 FY1	COL 1 FY2	COL 1 CSU	COL 1 CSL	COLUMN 2 TYPE	COL 2 FY1	COL 2 FY2	COL 2 CSU	COL 2 CSL	COLUMN 3 TYPE	COL 3 FY1	COL 3 FY2	COL 3 CSU	COL 3 CSL
409A 103 100	300	120	55	55	411	411	120	50	50	411	411	120	50	50	411	411
418A 103 100	300	120	55	55	411	411	120	55	55	411	411	120	55	55	411	411
427A 103 100	300	120	50	50	411	411	120	50	50	411	411	120	50	50	411	411
433A 103 100	300	120	50	50	411	411	120	50	50	411	411	120	50	50	411	411
442A 103 100	300	120	55	55	411	411	120	55	55	411	411	120	55	55	411	411
451A 103 100	300	120	55	55	411	411	120	55	55	411	411	120	55	55	411	411

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
409A 103 100	103	3/8	36	101	101	0 X 0	1/4	0	5010	5210	1212
418A 103 100	103	3/8	36	101	101	0 X 0	1/4	0	1611	5210	1111
427A 103 100	103	3/8	36	101	101	0 X 0	1/4	0	5110	1111	5210
433A 103 100	103	3/8	36	101	101	0 X 0	1/4	0	5210	1111	5110
442A 103 100	103	3/8	36	101	101	0 X 0	1/4	0	1111	5210	1611
451A 103 100	103	3/8	36	101	101	0 X 0	1/4	0	1212	5210	5010

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
409A 103 100	102	3/8	36	101	101	0 X 0	1/4	0	5010	5210	1212
418A 103 100	102	3/8	36	101	101	0 X 0	1/4	0	1611	5210	1111
427A 103 100	102	3/8	36	101	101	0 X 0	1/4	0	5110	1111	5210
433A 103 100	102	3/8	36	101	101	0 X 0	1/4	0	5210	1111	5110
442A 103 100	102	3/8	36	101	101	0 X 0	1/4	0	1111	5210	1611
451A 103 100	102	3/8	36	101	101	0 X 0	1/4	0	1212	5210	5010



PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
409A 103 100	101	3/8	36	101	101	0 X 0	1/4	0	5010	5210	1212
418A 103 100	101	3/8	36	101	101	0 X 0	1/4	0	1611	5210	1111
427A 103 100	101	3/8	36	101	101	0 X 0	1/4	0	5110	1111	5210
433A 103 100	101	3/8	36	101	101	0 X 0	1/4	0	5210	1111	5110
442A 103 100	101	3/8	42	101	101	0 X 0	1/4	0	1111	5210	1611
451A 103 100	101	3/8	36	101	101	0 X 0	1/4	0	1212	5210	5010

4-A1-478

WORTHINGTON, SKILLING, HELLE & JACKSON Civil & Structural Engineers

PROJECT: THE WORLD TRADE CENTER | TITLE: EXTERIOR WALL PANEL SCHEDULE | DATE: 6-5-67

REVISIONS

PANEL NUMBER	PANEL TYPE	COLUMN 1 TYPE	COL 1 FY1	COL 1 FY2	COL 1 CSU	COL 1 CSL	COLUMN 2 TYPE	COL 2 FY1	COL 2 FY2	COL 2 CSU	COL 2 CSL	COLUMN 3 TYPE	COL 3 FY1	COL 3 FY2	COL 3 CSU	COL 3 CSL
100A 103 101	210	120	65	65	411	411	520	65	65	0	0	120	60	60	411	411
300A 103 101	210	120	65	65	411	411	520	65	65	0	0	120	60	60	411	411

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SPD FY4	SPD SCL	SPD SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
100A 103 101	103	3/8	50	111	111	0 X 0	1/4	0	5410	5010	1313
300A 103 101	103	3/8	50	111	111	0 X 0	1/4	0	5410	5010	1313

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SPD FY4	SPD SCL	SPD SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
100A 103 101	102	3/8	50	111	111	0 X 0	1/4	0	5410	5010	1313
300A 103 101	102	3/8	50	111	111	0 X 0	1/4	0	5410	5010	1313

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

4-A1-479

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

PROJECT: THE WORLD TRADE CENTER | TITLE: EXTERIOR WALL PANEL SCHEDULE | DATE: 6-5-67

REVISIONS

PANEL NUMBER	PANEL TYPE	COLUMN 1 TYPE	COL 1 FY1	COL 1 FY2	COL 1 CSU	COL 1 CSL	COLUMN 2 TYPE	COL 2 FY1	COL 2 FY2	COL 2 CSU	COL 2 CSL	COLUMN 3 TYPE	COL 3 FY1	COL 3 FY2	COL 3 CSU	COL 3 CSL
106A 104 101	300	120	55	55	411	411	120	55	55	411	411	120	55	55	411	411
115A 104 101	300	120	55	55	411	411	120	55	55	411	411	120	55	55	411	411
124A 104 101	300	120	50	50	411	411	120	50	50	411	411	120	50	50	411	411
136A 104 101	300	120	55	55	411	411	120	55	55	411	411	120	55	55	411	411
145A 104 101	300	120	55	55	411	411	120	55	55	411	411	120	55	55	411	411
154A 104 101	300	120	55	55	411	411	120	55	55	411	411	120	55	55	411	411

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	FY4	SCL	SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
106A 104 101	104	3/8	36	101	101	0 X 0	1/4	0	1311	5110	1411
115A 104 101	104	3/8	36	101	101	0 X 0	1/4	0	5110	1411	5110
124A 104 101	104	3/8	36	101	101	0 X 0	1/4	0	1411	5110	1411
136A 104 101	104	3/8	36	101	101	0 X 0	1/4	0	1411	5110	1411
145A 104 101	104	3/8	36	101	101	0 X 0	1/4	0	5110	1411	5110
154A 104 101	104	3/8	36	101	101	0 X 0	1/4	0	1411	5110	1311

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	FY4	SCL	SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
106A 104 101	103	3/8	36	101	101	0 X 0	1/4	0	1311	5110	1411
115A 104 101	103	3/8	36	101	101	0 X 0	1/4	0	5110	1411	5110
124A 104 101	103	3/8	36	101	101	0 X 0	1/4	0	1411	5110	1411
136A 104 101	103	3/8	36	101	101	0 X 0	1/4	0	1411	5110	1411
145A 104 101	103	3/8	36	101	101	0 X 0	1/4	0	5110	1411	5110
154A 104 101	103	3/8	36	101	101	0 X 0	1/4	0	1411	5110	1311

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

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	FY4	SCL	SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
106A 104 101	102	3/8	36	101	101	0 X 0	1/4	0	1311	5110	1411
115A 104 101	102	3/8	36	101	101	0 X 0	1/4	0	5110	1411	5110
124A 104 101	102	3/8	36	101	101	0 X 0	1/4	0	1411	5110	1411
136A 104 101	102	3/8	42	101	101	0 X 0	1/4	0	1411	5110	1411
145A 104 101	102	3/8	42	101	101	0 X 0	1/4	0	5110	1411	5110
154A 104 101	102	3/8	42	101	101	0 X 0	1/4	0	1411	5110	1311

4-A1-460

WORTHINGTON, SKILLING, HELLE & JACKSON Civil & Structural Engineers

PROJECT: THE WORLD TRADE CENTER | TITLE: EXTERIOR WALL PANEL SCHEDULE | DATE: 6-5-67

REVISIONS

PANEL NUMBER	PANEL TYPE	COLUMN 1 TYPE	COL 1 FY1	COL 1 FY2	COL 1 CSU	COL 1 CSL	COLUMN 2 TYPE	COL 2 FY1	COL 2 FY2	COL 2 CSU	COL 2 CSL	COLUMN 3 TYPE	COL 3 FY1	COL 3 FY2	COL 3 CSU	COL 3 CSL
206A 104 101	300	120	50	50	411	411	120	50	50	411	411	120	50	50	411	411
215A 104 101	300	120	50	50	411	411	120	50	50	411	411	120	50	50	411	411
224A 104 101	300	120	50	50	411	411	120	50	50	411	411	120	46	46	411	411
236A 104 101	300	120	46	46	411	411	120	46	46	411	411	120	46	46	411	411
245A 104 101	300	120	50	50	411	411	120	50	50	411	411	120	50	50	411	411
254A 104 101	300	120	50	50	411	411	120	50	50	411	411	120	50	50	411	411

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
206A 104 101	104	3/8	36	101	101	0 X 0	1/4	0	5110	1212	5110
215A 104 101	104	3/8	36	101	101	0 X 0	1/4	0	1212	5510	5110
224A 104 101	104	3/8	36	101	101	0 X 0	1/4	0	1111	5110	1111
236A 104 101	104	3/8	36	101	101	0 X 0	1/4	0	1111	5110	1111
245A 104 101	104	3/8	36	101	101	0 X 0	1/4	0	5110	5310	1212
254A 104 101	104	3/8	36	101	101	0 X 0	1/4	0	5110	1212	5110

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
206A 104 101	103	3/8	36	101	101	0 X 0	1/4	0	5110	1212	5110
215A 104 101	103	3/8	36	101	101	0 X 0	1/4	0	1212	5510	5110
224A 104 101	103	3/8	36	101	101	0 X 0	1/4	0	1111	5110	1111
236A 104 101	103	3/8	36	101	101	0 X 0	1/4	0	1111	5110	1111
245A 104 101	103	3/8	36	101	101	0 X 0	1/4	0	5110	5310	1212
254A 104 101	103	3/8	36	101	101	0 X 0	1/4	0	5110	1212	5110

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

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
206A 104 101	102	3/8	36	101	101	0 X 0	1/4	0	5110	1212	5110
215A 104 101	102	3/8	36	101	101	0 X 0	1/4	0	1212	5510	5110
224A 104 101	102	3/8	36	101	101	0 X 0	1/4	0	1111	5110	1111
236A 104 101	102	3/8	36	101	101	0 X 0	1/4	0	1111	5110	1111
245A 104 101	102	3/8	36	101	101	0 X 0	1/4	0	5110	5310	1212
254A 104 101	102	3/8	36	101	101	0 X 0	1/4	0	5110	1212	5110

4-A1-481

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

PROJECT: THE WORLD TRADE CENTER | TITLE: EXTERIOR WALL PANEL SCHEDULE | DATE: 6-5-67

VISIONS

PANEL NUMBER	PANEL TYPE	COLUMN 1 TYPE	C1 FY1	C1 FY2	C1 CSU	C1 CSL	COLUMN 2 TYPE	C2 FY1	C2 FY2	C2 CSU	C2 CSL	COLUMN 3 TYPE	C3 FY1	C3 FY2	C3 CSU	C3 CSL
306A 104 101	300	120	50	50	411	411	120	55	55	411	411	120	55	55	411	411
315A 104 101	300	120	55	55	411	411	120	55	55	411	411	120	50	50	411	411
324A 104 101	300	120	50	50	411	411	120	50	50	411	411	120	50	50	411	411
336A 104 101	300	120	55	55	411	411	120	55	55	411	411	120	55	55	411	411
345A 104 101	300	120	55	55	411	411	120	55	55	411	411	120	55	55	411	411
354A 104 101	300	120	55	55	411	411	120	55	55	411	411	120	55	55	411	411

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	FY4	SCL	SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
306A 104 101	104	3/8	36	101	101	0 X 0	1/4	0	1311	5110	1411
315A 104 101	104	3/8	36	101	101	0 X 0	1/4	0	5110	1411	5110
324A 104 101	104	3/8	36	101	101	0 X 0	1/4	0	1411	5110	1411
336A 104 101	104	3/8	36	101	101	0 X 0	1/4	0	1411	5110	1411
345A 104 101	104	3/8	36	101	101	0 X 0	1/4	0	5110	1411	5110
354A 104 101	104	3/8	36	101	101	0 X 0	1/4	0	1411	5110	1311

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	FY4	SCL	SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
306A 104 101	103	3/8	36	101	101	0 X 0	1/4	0	1311	5110	1411
315A 104 101	103	3/8	36	101	101	0 X 0	1/4	0	5110	1411	5110
324A 104 101	103	3/8	36	101	101	0 X 0	1/4	0	1411	5110	1411
336A 104 101	103	3/8	36	101	101	0 X 0	1/4	0	1411	5110	1411
345A 104 101	103	3/8	36	101	101	0 X 0	1/4	0	5110	1411	5110
354A 104 101	103	3/8	36	101	101	0 X 0	1/4	0	1411	5110	1311

LICENSED PROFESSIONAL ENGINEER LESLIE E. ROBERTSON No. 34260 UNIVERSITY OF THE STATE OF NEW YORK

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	FY4	SCL	SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
306A 104 101	102	3/8	36	101	101	0 X 0	1/4	0	1311	5110	1411
315A 104 101	102	3/8	36	101	101	0 X 0	1/4	0	5110	1411	5110
324A 104 101	102	3/8	36	101	101	0 X 0	1/4	0	1411	5110	1411
336A 104 101	102	3/8	42	101	101	0 X 0	1/4	0	1411	5110	1411
345A 104 101	102	3/8	42	101	101	0 X 0	1/4	0	5110	1411	5110
354A 104 101	102	3/8	42	101	101	0 X 0	1/4	0	1411	5110	1311

4-A1-482

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

PROJECT: THE WORLD TRADE CENTER | TITLE: EXTERIOR WALL PANEL SCHEDULE | DATE: 6-5-67

REVISIONS

PANEL NUMBER	PANEL TYPE	COLUMN 1 TYPE	COL 1 FY1	COL 1 FY2	COL 1 CSU	COL 1 CSL	COLUMN 2 TYPE	COL 2 FY1	COL 2 FY2	COL 2 CSU	COL 2 CSL	COLUMN 3 TYPE	COL 3 FY1	COL 3 FY2	COL 3 CSU	COL 3 CSL
406A 104 101	300	120	50	50	411	411	120	50	50	411	411	120	50	50	411	411
415A 104 101	300	120	50	50	411	411	120	50	50	411	411	120	50	50	411	411
424A 104 101	300	120	46	46	411	411	120	46	46	411	411	120	45	45	411	411
436A 104 101	300	120	50	50	411	411	120	50	50	411	411	120	50	50	411	411
445A 104 101	300	120	55	55	411	411	120	50	50	411	411	120	50	50	411	411
454A 104 101	300	120	50	50	411	411	120	50	50	411	411	120	50	50	411	411

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	FY4	SCL	SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
406A 104 101	104	3/8	36	101	101	0 X 0	1/4	0	5110	1212	5110
415A 104 101	104	3/8	36	101	101	0 X 0	1/4	0	1212	5510	5110
424A 104 101	104	3/8	36	101	101	0 X 0	1/4	0	1111	5110	1111
436A 104 101	104	3/8	36	101	101	0 X 0	1/4	0	1111	5110	1111
445A 104 101	104	3/8	36	101	101	0 X 0	1/4	0	5110	5310	1212
454A 104 101	104	3/8	36	101	101	0 X 0	1/4	0	5110	1212	5110

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	FY4	SCL	SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
406A 104 101	103	3/8	36	101	101	0 X 0	1/4	0	5110	1212	5110
415A 104 101	103	3/8	36	101	101	0 X 0	1/4	0	1212	5510	5110
424A 104 101	103	3/8	36	101	101	0 X 0	1/4	0	1111	5110	1111
436A 104 101	103	3/8	36	101	101	0 X 0	1/4	0	1111	5110	1111
445A 104 101	103	3/8	36	101	101	0 X 0	1/4	0	5110	5310	1212
454A 104 101	103	3/8	36	101	101	0 X 0	1/4	0	5110	1212	5110

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	FY4	SCL	SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
406A 104 101	102	3/8	36	101	101	0 X 0	1/4	0	5110	1212	5110
415A 104 101	102	3/8	36	101	101	0 X 0	1/4	0	1212	5510	5110
424A 104 101	102	3/8	36	101	101	0 X 0	1/4	0	1111	5110	1111
436A 104 101	102	3/8	36	101	101	0 X 0	1/4	0	1111	5110	1111
445A 104 101	102	3/8	36	101	101	0 X 0	1/4	0	5110	5310	1212
454A 104 101	102	3/8	36	101	101	0 X 0	1/4	0	5110	1212	5110

LICENSED PROFESSIONAL ENGINEER — LESLIE E. ROBERTS — No. 34360 — UNIVERSITY OF THE STATE

4-A1-483

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

PROJECT	TITLE	DATE
THE WORLD TRADE CENTER	EXTERIOR WALL PANEL SCHEDULE	6-5-67

REVISIONS

PANEL NUMBER	PANEL TYPE	COLUMN 1 TYPE	COL 1 FY1	COL 1 FY2	COL 1 CSU	COL 1 CSL	COLUMN 2 TYPE	COL 2 FY1	COL 2 FY2	COL 2 CSU	COL 2 CSL	COLUMN 3 TYPE	COL 3 FY1	COL 3 FY2	COL 3 CSU	COL 3 CSL
200A 104 102	210	120	60	60	411	411	520	60	60	0	0	120	60	60	411	411
400A 104 102	210	120	60	60	411	411	520	60	60	0	0	120	60	60	411	411

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SP PL FY4	SP PL SCL	SP PL SCR	WELDMENTS NO 5	WELD NO 6	WELD NO 7	SEAT DETAIL COL 1	SEAT COL 2	SEAT COL 3
200A 104 102	104	3/8	50	111	111	0 X 0	1/4	0	1313	5010	5610
400A 104 102	104	3/8	50	111	111	0 X 0	1/4	0	1313	5010	5610

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SP PL FY4	SP PL SCL	SP PL SCR	WELDMENTS NO 5	WELD NO 6	WELD NO 7	SEAT DETAIL COL 1	SEAT COL 2	SEAT COL 3
200A 104 102	103	3/8	50	111	111	0 X 0	1/4	0	1313	5010	5610
400A 104 102	103	3/8	50	111	111	0 X 0	1/4	0	1313	5010	5610

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

4-A1-484

SKILLING-HELLE-CHRISTIANSEN-ROBERTSON — **Civil & Structural Engineers**

PROJECT THE WORLD TRADE CENTER | TITLE EXTERIOR WALL PANEL SCHEDULE | DATE 7-18-69

REVISIONS

	PANEL NUMBER	PANEL TYPE	COLUMN 1 TYPE	FY1	FY2	CSU	CSL	COLUMN 2 TYPE	FY1	FY2	CSU	CSL	COLUMN 3 TYPE	FY1	FY2	CSU	CSL
	103A 105 102	300	120	50	50	411	411	120	45	45	411	411	120	50	50	411	411
	112A 105 102	300	120	50	50	411	411	120	50	50	411	411	120	50	50	411	411
	121A 105 102	300	120	50	50	411	411	120	50	50	411	411	120	50	50	411	411
5	130A 105 102	300	122	50	50	411	411	122	50	50	411	411	122	50	50	411	411
	139A 105 102	300	120	55	55	411	411	120	55	55	411	411	120	55	55	411	411
	148A 105 102	300	120	55	55	411	411	120	55	55	411	411	120	55	55	411	411
	157A 105 102	300	120	50	50	411	411	120	50	50	411	411	120	50	50	411	411

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	FY4	SCL	SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
103A 105 102	105	3/8	42	111	101	0 X 0	1/4	0	5110	1311	5210
112A 105 102	105	3/8	36	101	101	0 X 0	1/4	0	1511	5210	1411
121A 105 102	105	3/8	36	101	101	0 X 0	1/4	0	5210	1411	5210
130A 105 102	105	3/8	36	101	101	0 X 0	1/4	0	1411	5210	1411
139A 105 102	105	3/8	36	101	101	0 X 0	1/4	0	5210	1411	5210
148A 105 102	105	3/8	36	101	101	0 X 0	1/4	0	1411	5210	1511
157A 105 102	105	3/8	42	101	111	0 X 0	1/4	0	5210	1311	5110

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	FY4	SCL	SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
103A 105 102	104	3/8	42	111	101	0 X 0	1/4	0	5110	1311	5210
112A 105 102	104	3/8	36	101	101	0 X 0	1/4	0	1511	5210	1411
121A 105 102	104	3/8	36	101	101	0 X 0	1/4	0	5210	1411	5210
130A 105 102	104	3/8	36	101	101	0 X 0	1/4	0	1411	5210	1411
139A 105 102	104	3/8	36	101	101	0 X 0	1/4	0	5210	1411	5210
148A 105 102	104	3/8	36	101	101	0 X 0	1/4	0	1411	5210	1511
157A 105 102	104	3/8	42	101	111	0 X 0	1/4	0	5210	1311	5110

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

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	FY4	SCL	SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
103A 105 102	103	3/8	42	111	101	0 X 0	1/4	0	5110	1311	5210
112A 105 102	103	3/8	36	101	101	0 X 0	1/4	0	1511	5210	1411
121A 105 102	103	3/8	36	101	101	0 X 0	1/4	0	5210	1411	5210
130A 105 102	103	3/8	36	101	101	0 X 0	1/4	0	1411	5210	1411
139A 105 102	103	3/8	36	101	101	0 X 0	1/4	0	5210	1411	5210
148A 105 102	103	3/8	36	101	101	0 X 0	1/4	0	1411	5210	1511
157A 105 102	103	3/8	42	101	111	0 X 0	1/4	0	5210	1311	5110

4-A1-485

SKILLING-HELLE-CHRISTIANSEN-ROBERTSON — **Civil & Structural Engineers**

PROJECT: THE WORLD TRADE CENTER | TITLE: EXTERIOR WALL PANEL SCHEDULE | DATE: 7-18-69

REVISIONS

	PANEL NUMBER	PANEL TYPE	COLUMN 1 TYPE	FY1	FY2	CSU	CSL	COLUMN 2 TYPE	FY1	FY2	CSU	CSL	COLUMN 3 TYPE	FY1	FY2	CSU	CSL
	203A 105 102	300	120	50	50	411	411	120	46	46	411	411	120	46	46	411	411
	212A 105 102	300	120	46	46	411	411	120	45	45	411	411	120	46	46	411	411
	221A 105 102	300	120	46	46	411	411	120	46	46	411	411	120	45	45	411	411
5	230A 105 102	300	122	42	42	411	411	122	42	42	411	411	122	42	42	411	411
	239A 105 102	300	120	45	45	411	411	120	45	45	411	411	120	45	45	411	411
	248A 105 102	300	120	45	45	411	411	120	45	45	411	411	120	45	45	411	411
	257A 105 102	300	120	45	45	411	411	120	45	45	411	411	120	50	50	411	411

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	FY4	SCL	SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
203A 105 102	105	3/8	46	111	101	0 X 0	1/4	0	1013	5210	5010
212A 105 102	105	3/8	36	101	101	0 X 0	1/4	0	5210	5010	5210
221A 105 102	105	3/8	36	101	101	0 X 0	1/4	0	5210	1111	5210
230A 105 102	105	3/8	36	101	101	0 X 0	1/4	0	1111	5210	1111
239A 105 102	105	3/8	36	101	101	0 X 0	1/4	0	5210	1111	5210
248A 105 102	105	3/8	36	101	101	0 X 0	1/4	0	5210	5010	5210
257A 105 102	105	3/8	46	101	111	0 X 0	1/4	0	5010	5210	1013

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	FY4	SCL	SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
203A 105 102	104	3/8	46	111	101	0 X 0	1/4	0	1013	5210	5010
212A 105 102	104	3/8	36	101	101	0 X 0	1/4	0	5210	5010	5210
221A 105 102	104	3/8	36	101	101	0 X 0	1/4	0	5210	1111	5210
230A 105 102	104	3/8	36	101	101	0 X 0	1/4	0	1111	5210	1111
239A 105 102	104	3/8	36	101	101	0 X 0	1/4	0	5210	1111	5210
248A 105 102	104	3/8	36	101	101	0 X 0	1/4	0	5210	5010	5210
257A 105 102	104	3/8	46	101	111	0 X 0	1/4	0	5010	5210	1013

LICENSED PROFESSIONAL ENGINEER — LESLIE E. ROBERTSON JR. — No. 34260 — UNIVERSITY OF THE STATE OF NEW YORK

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	FY4	SCL	SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
203A 105 102	103	3/8	46	111	101	0 X 0	1/4	0	1013	5210	5010
212A 105 102	103	3/8	36	101	101	0 X 0	1/4	0	5210	5010	5210
221A 105 102	103	3/8	36	101	101	0 X 0	1/4	0	5210	1111	5210
230A 105 102	103	3/8	36	101	101	0 X 0	1/4	0	1111	5210	1111
239A 105 102	103	3/8	36	101	101	0 X 0	1/4	0	5210	1111	5210
248A 105 102	103	3/8	36	101	101	0 X 0	1/4	0	5210	5010	5210
257A 105 102	103	3/8	46	101	111	0 X 0	1/4	0	5010	5210	1013

4-A1-486

SKILLING-HELLE-CHRISTIANSEN-ROBERTSON — **Civil & Structural Engineers**

PROJECT THE WORLD TRADE CENTER | TITLE EXTERIOR WALL PANEL SCHEDULE | DATE 7-16-69

REVISIONS

	PANEL NUMBER	PANEL TYPE	COLUMN 1 TYPE	FY1	FY2	CSU	CSL	COLUMN 2 TYPE	FY1	FY2	CSU	CSL	COLUMN 3 TYPE	FY1	FY2	CSU	CSL
	303A 105 102	300	120	50	50	411	411	120	45	45	411	411	120	46	46	411	411
	312A 105 102	300	120	50	50	411	411	120	50	50	411	411	120	50	50	411	411
	321A 105 102	300	120	50	50	411	411	120	50	50	411	411	120	50	50	411	411
5	330A 105 102	300	122	50	50	411	411	122	50	50	411	411	122	50	50	411	411
	339A 105 102	300	120	55	55	411	411	120	55	55	411	411	120	55	55	411	411
	348A 105 102	300	120	55	55	411	411	120	55	55	411	411	120	55	55	411	411
	357A 105 102	300	120	50	50	411	411	120	50	50	411	411	120	50	50	411	411

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	FY4	SCL	SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
303A 105 102	105	3/8	42	111	101	0 X 0	1/4	0	5110	1311	5210
312A 105 102	105	3/8	36	101	101	0 X 0	1/4	0	1511	5210	1411
321A 105 102	105	3/8	36	101	101	0 X 0	1/4	0	5210	1411	5210
330A 105 102	105	3/8	36	101	101	0 X 0	1/4	0	1411	5210	1411
339A 105 102	105	3/8	36	101	101	0 X 0	1/4	0	5210	1411	5210
348A 105 102	105	3/8	36	101	101	0 X 0	1/4	0	1411	5210	1511
357A 105 102	105	3/8	42	101	111	0 X 0	1/4	0	5210	1311	5110

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	FY4	SCL	SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
303A 105 102	104	3/8	42	111	101	0 X 0	1/4	0	5110	1311	5210
312A 105 102	104	3/8	36	101	101	0 X 0	1/4	0	1511	5210	1411
321A 105 102	104	3/8	36	101	101	0 X 0	1/4	0	5210	1411	5210
330A 105 102	104	3/8	36	101	101	0 X 0	1/4	0	1411	5210	1411
339A 105 102	104	3/8	36	101	101	0 X 0	1/4	0	5210	1411	5210
348A 105 102	104	3/8	36	101	101	0 X 0	1/4	0	1411	5210	1511
357A 105 102	104	3/8	42	101	111	0 X 0	1/4	0	5210	1311	5110

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

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	FY4	SCL	SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
303A 105 102	103	3/8	42	111	101	0 X 0	1/4	0	5110	1311	5210
312A 105 102	103	3/8	36	101	101	0 X 0	1/4	0	1511	5210	1411
321A 105 102	103	3/8	36	101	101	0 X 0	1/4	0	5210	1411	5210
330A 105 102	103	3/8	36	101	101	0 X 0	1/4	0	1411	5210	1411
339A 105 102	103	3/8	36	101	101	0 X 0	1/4	0	5210	1411	5210
348A 105 102	103	3/8	36	101	101	0 X 0	1/4	0	1411	5210	1511
357A 105 102	103	3/8	42	101	111	0 X 0	1/4	0	5210	1311	5110

4-A1-487

SKILLING-HELLE-CHRISTIANSEN-ROBERTSON — **Civil & Structural Engineers**

PROJECT: THE WORLD TRADE CENTER | TITLE: EXTERIOR WALL PANEL SCHEDULE | DATE: 7-18-69

REVISIONS

	PANEL NUMBER	PANEL TYPE	COLUMN 1 TYPE	COL 1 FY1	COL 1 FY2	COL 1 CSU	COL 1 CSL	COLUMN 2 TYPE	COL 2 FY1	COL 2 FY2	COL 2 CSU	COL 2 CSL	COLUMN 3 TYPE	COL 3 FY1	COL 3 FY2	COL 3 CSU	COL 3 CSL
	403A 105 102	300	120	50	50	411	411	120	46	46	411	411	120	46	46	411	411
	412A 105 102	300	120	45	45	411	411	120	45	45	411	411	120	45	45	411	411
	421A 105 102	300	120	45	45	411	411	120	45	45	411	411	120	45	45	411	411
5	430A 105 102	300	122	45	45	411	411	122	45	45	411	411	122	45	45	411	411
	439A 105 102	300	120	50	50	411	411	120	50	50	411	411	120	50	50	411	411
	448A 105 102	300	120	46	46	411	411	120	46	46	411	411	120	46	46	411	411
	457A 105 102	300	120	46	46	411	411	120	46	46	411	411	120	50	50	411	411

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
403A 105 102	105	3/8	46	111	101	0 X 0	1/4	0	1013	5210	5010
412A 105 102	105	3/8	36	101	101	0 X 0	1/4	0	5210	5010	5210
421A 105 102	105	3/8	36	101	101	0 X 0	1/4	0	5210	1111	5210
430A 105 102	105	3/8	36	101	101	0 X 0	1/4	0	1111	5210	1111
439A 105 102	105	3/8	36	101	101	0 X 0	1/4	0	5210	1111	5210
448A 105 102	105	3/8	36	101	101	0 X 0	1/4	0	5210	5010	5210
457A 105 102	105	3/8	46	101	111	0 X 0	1/4	0	5010	5210	1013

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
403A 105 102	104	3/8	46	111	101	0 X 0	1/4	0	1013	5210	5010
412A 105 102	104	3/8	36	101	101	0 X 0	1/4	0	5210	5010	5210
421A 105 102	104	3/8	36	101	101	0 X 0	1/4	0	5210	1111	5210
430A 105 102	104	3/8	36	101	101	0 X 0	1/4	0	1111	5210	1111
439A 105 102	104	3/8	36	101	101	0 X 0	1/4	0	5210	1111	5210
448A 105 102	104	3/8	36	101	101	0 X 0	1/4	0	5210	5010	5210
457A 105 102	104	3/8	46	101	111	0 X 0	1/4	0	5010	5210	1013

LICENSED PROFESSIONAL ENGINEER — LESLIE E. ROBERTSON — No. 34361 — UNIVERSITY OF THE STATE OF NEW YORK

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
403A 105 102	103	3/8	46	111	101	0 X 0	1/4	0	1013	5210	5010
412A 105 102	103	3/8	36	101	101	0 X 0	1/4	0	5210	5010	5210
421A 105 102	103	3/8	36	101	101	0 X 0	1/4	0	5210	1111	5210
430A 105 102	103	3/8	36	101	101	0 X 0	1/4	0	1111	5210	1111
439A 105 102	103	3/8	36	101	101	0 X 0	1/4	0	5210	1111	5210
448A 105 102	103	3/8	36	101	101	0 X 0	1/4	0	5210	5010	5210
457A 105 102	103	3/8	46	101	111	0 X 0	1/4	0	5010	5210	1013

4-A1-488

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

PROJECT	TITLE	DATE
THE WORLD TRADE CENTER	EXTERIOR WALL PANEL SCHEDULE	6-5-67

REVISIONS

PANEL NUMBER	PANEL TYPE	COLUMN 1 TYPE	COL 1 FY1	COL 1 FY2	COL 1 CSU	COL 1 CSL	COLUMN 2 TYPE	COL 2 FY1	COL 2 FY2	COL 2 CSU	COL 2 CSL	COLUMN 3 TYPE	COL 3 FY1	COL 3 FY2	COL 3 CSU	COL 3 CSL
100A 105 103	210	120	60	60	411	411	520	60	60	0	0	120	55	55	411	411
300A 105 103	210	120	55	55	411	411	520	55	55	0	0	120	55	55	411	411

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SPL FY4	SPL SCL	SPL SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
100A 105 103	105	3/8	50	111	111	0 X 0	1/4	0	5410	5010	1313
300A 105 103	105	3/8	50	111	111	0 X 0	1/4	0	5410	5010	1313

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SPL FY4	SPL SCL	SPL SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
100A 105 103	104	3/8	50	111	111	0 X 0	1/4	0	5410	5010	1313
300A 105 103	104	3/8	50	111	111	0 X 0	1/4	0	5410	5010	1313

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

4-A1-489

REVISIONS

SKILLING-HELLE-CHRISTIANSEN-ROBERTSON — **Civil & Structural Engineers**

PROJECT: THE WORLD TRADE CENTER | TITLE: EXTERIOR WALL PANEL SCHEDULE | DATE: 7-18-69

	PANEL NUMBER	PANEL TYPE	COLUMN 1 TYPE	COL 1 FY1	COL 1 FY2	COL 1 CSU	COL 1 CSL	COLUMN 2 TYPE	COL 2 FY1	COL 2 FY2	COL 2 CSU	COL 2 CSL	COLUMN 3 TYPE	COL 3 FY1	COL 3 FY2	COL 3 CSU	COL 3 CSL
5	109A 106 103	300	122	46	46	411	411	122	46	46	411	411	122	46	46	411	411
	118A 106 103	300	120	45	45	411	411	120	45	45	411	411	120	45	45	411	411
5	127A 106 103	300	122	45	45	411	411	122	45	45	411	411	122	45	45	411	411
5	133A 106 103	300	122	46	46	411	411	122	46	46	411	411	122	46	46	411	411
	142A 106 103	300	120	50	50	411	411	120	50	50	411	411	120	50	50	411	411
5	151A 106 103	300	122	50	50	411	411	122	50	50	411	411	122	50	50	411	411

	PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
	109A 106 103	106	3/8	36	101	101	0 X 0	1/4	0	5210	1411	5210
	118A 106 103	106	3/8	36	101	101	0 X 0	1/4	0	1411	5210	1411
5	127A 106 103	106	3/8	42	101	101	0 X 0	1/4	0	5110	1411	5210
5	133A 106 103	106	3/8	42	101	101	0 X 0	1/4	0	5210	1411	5110
	142A 106 103	106	3/8	36	101	101	0 X 0	1/4	0	1411	5210	1411
	151A 106 103	106	3/8	36	101	101	0 X 0	1/4	0	5210	1411	5210

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
109A 106 103	105	3/8	36	101	101	0 X 0	1/4	0	5210	1411	5210
118A 106 103	105	3/8	36	101	101	0 X 0	1/4	0	1411	5210	1411
127A 106 103	105	3/8	36	101	101	0 X 0	1/4	0	5110	1411	5210
133A 106 103	105	3/8	36	101	101	0 X 0	1/4	0	5210	1411	5110
142A 106 103	105	3/8	36	101	101	0 X 0	1/4	0	1411	5210	1411
151A 106 103	105	3/8	36	101	101	0 X 0	1/4	0	5210	1411	5210



PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
109A 106 103	104	3/8	36	101	101	0 X 0	1/4	0	5210	1411	5210
118A 106 103	104	3/8	36	101	101	0 X 0	1/4	0	1411	5210	1411
127A 106 103	104	3/8	36	101	101	0 X 0	1/4	0	5110	1411	5210
133A 106 103	104	3/8	36	101	101	0 X 0	1/4	0	5210	1411	5110
142A 106 103	104	3/8	36	101	101	0 X 0	1/4	0	1411	5210	1411
151A 106 103	104	3/8	36	101	101	0 X 0	1/4	0	5210	1411	5210

4-A1-490

SKILLING-HELLE-CHRISTIANSEN-ROBERTSON — **Civil & Structural Engineers**

PROJECT THE WORLD TRADE CENTER | TITLE EXTERIOR WALL PANEL SCHEDULE | DATE 7-18-69

REVISIONS

	PANEL NUMBER	PANEL TYPE	COLUMN 1 TYPE	COL 1 FY1	COL 1 FY2	COL 1 CSU	COL 1 CSL	COLUMN 2 TYPE	COL 2 FY1	COL 2 FY2	COL 2 CSU	COL 2 CSL	COLUMN 3 TYPE	COL 3 FY1	COL 3 FY2	COL 3 CSU	COL 3 CSL
	209A 106 103	300	120	45	45	411	411	120	45	45	411	411	120	45	45	411	411
5	218A 106 103	300	122	45	45	411	411	122	45	45	411	411	122	45	45	411	411
5	227A 106 103	300	122	42	42	411	411	122	42	42	411	411	122	42	42	411	411
5	233A 106 103	300	122	42	42	411	411	122	42	42	411	411	122	42	42	411	411
5	242A 106 103	300	122	45	45	411	411	122	45	45	411	411	122	45	45	411	411
	251A 106 103	300	120	42	42	411	411	120	42	42	411	411	120	42	42	411	411

	PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
	209A 106 103	106	3/8	36	101	101	0 X 0	1/4	0	5010	5210	1212
5	218A 106 103	106	3/8	(42)	101	101	0 X 0	1/4	0	1611	5210	1111
	227A 106 103	106	3/8	36	101	101	0 X 0	1/4	0	5110	1111	5210
	233A 106 103	106	3/8	36	101	101	0 X 0	1/4	0	5210	1111	5110
5	242A 106 103	106	3/8	(42)	101	101	0 X 0	1/4	0	1111	5210	1611
	251A 106 103	106	3/8	36	101	101	0 X 0	1/4	0	1212	5210	5010

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
209A 106 103	105	3/8	36	101	101	0 X 0	1/4	0	5010	5210	1212
~~218A 106 103~~	~~105~~	~~3/8~~	~~36~~	~~101~~	~~101~~	~~0 X 0~~	~~1/4~~	~~0~~	~~1611~~	~~5210~~	~~1111~~
227A 106 103	105	3/8	36	101	101	0 X 0	1/4	0	5110	1111	5210
233A 106 103	105	3/8	36	101	101	0 X 0	1/4	0	5210	1111	5110
242A 106 103	105	3/8	36	101	101	0 X 0	1/4	0	1111	5210	1611
251A 106 103	105	3/8	36	101	101	0 X 0	1/4	0	1212	5210	5010

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

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
209A 106 103	104	3/8	36	101	101	0 X 0	1/4	0	5010	5210	1212
218A 106 103	104	3/8	36	101	101	0 X 0	1/4	0	1611	5210	1111
227A 106 103	104	3/8	36	101	101	0 X 0	1/4	0	5110	1111	5210
233A 106 103	104	3/8	36	101	101	0 X 0	1/4	0	5210	1111	5110
242A 106 103	104	3/8	36	101	101	0 X 0	1/4	0	1111	5210	1611
251A 106 103	104	3/8	36	101	101	0 X 0	1/4	0	1212	5210	5010

4-A1-491

SKILLING-HELLE-CHRISTIANSEN-ROBERTSON — **Civil & Structural Engineers**

PROJECT: THE WORLD TRADE CENTER | TITLE: EXTERIOR WALL PANEL SCHEDULE | DATE: 7-18-69

REVISIONS

	PANEL NUMBER	PANEL TYPE	COLUMN 1 TYPE	C1 FY1	C1 FY2	C1 CSU	C1 CSL	COLUMN 2 TYPE	C2 FY1	C2 FY2	C2 CSU	C2 CSL	COLUMN 3 TYPE	C3 FY1	C3 FY2	C3 CSU	C3 CSL
5	309A 106 103	300	122	45	45	411	411	122	45	45	411	411	122	45	45	411	411
	318A 106 103	300	120	45	45	411	411	120	45	45	411	411	120	45	45	411	411
5	327A 106 103	300	122	45	45	411	411	122	45	45	411	411	122	45	45	411	411
5	333A 106 103	300	122	50	50	411	411	122	50	50	411	411	122	50	50	411	411
	342A 106 103	300	120	50	50	411	411	120	50	50	411	411	120	50	50	411	411
5	351A 106 103	300	122	50	50	411	411	122	50	50	411	411	122	50	50	411	411

	PANEL NUMBER	FLOOR	SPANDREL PLATE T4	FY4	SCL	SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
	309A 106 103	106	3/8	36	101	101	0 X 0	1/4	0	5210	1411	5210
	318A 106 103	106	3/8	36	101	101	0 X 0	1/4	0	1411	5210	1411
5	327A 106 103	106	3/8	42	101	101	0 X 0	1/4	0	5110	1411	5210
5	333A 106 103	106	3/8	42	101	101	0 X 0	1/4	0	5210	1411	5110
	342A 106 103	106	3/8	36	101	101	0 X 0	1/4	0	1411	5210	1411
	351A 106 103	106	3/8	36	101	101	0 X 0	1/4	0	5210	1411	5210

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	FY4	SCL	SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
309A 106 103	105	3/8	36	101	101	0 X 0	1/4	0	5210	1411	5210
~~318A 106 103~~	~~105~~	~~3/8~~	~~36~~	~~101~~	~~101~~	~~0 X 0~~	~~1/4~~	~~0~~	~~1411~~	~~5210~~	~~1411~~
327A 106 103	105	3/8	36	101	101	0 X 0	1/4	0	5110	1411	5210
333A 106 103	105	3/8	36	101	101	0 X 0	1/4	0	5210	1411	5110
342A 106 103	105	3/8	36	101	101	0 X 0	1/4	0	1411	5210	1411
351A 106 103	105	3/8	36	101	101	0 X 0	1/4	0	5210	1411	5210

LICENSED PROFESSIONAL ENGINEER — LESLIE E. ROBERTSON — No. 54360 — UNIVERSITY OF THE STATE OF NEW YORK

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	FY4	SCL	SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
309A 106 103	104	3/8	36	101	101	0 X 0	1/4	0	5210	1411	5210
318A 106 103	104	3/8	36	101	101	0 X 0	1/4	0	1411	5210	1411
327A 106 103	104	3/8	36	101	101	0 X 0	1/4	0	5110	1411	5210
333A 106 103	104	3/8	36	101	101	0 X 0	1/4	0	5210	1411	5110
342A 106 103	104	3/8	36	101	101	0 X 0	1/4	0	1411	5210	1411
351A 106 103	104	3/8	36	101	101	0 X 0	1/4	0	5210	1411	5210

4-A1-492

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

PROJECT THE WORLD TRADE CENTER | TITLE EXTERIOR WALL PANEL SCHEDULE | DATE 7-18-69

REVISIONS

	PANEL NUMBER	PANEL TYPE	COLUMN 1 TYPE	FY1	FY2	CSU	CSL	COLUMN 2 TYPE	FY1	FY2	CSU	CSL	COLUMN 3 TYPE	FY1	FY2	CSU	CSL
	409A 106 103	300	120	45	45	411	411	120	45	45	411	411	120	45	45	411	411
5	418A 106 103	300	122	45	45	411	411	122	45	45	411	411	122	45	45	411	411
5	427A 106 103	300	122	42	42	411	411	122	42	42	411	411	122	42	42	411	411
5	433A 106 103	300	122	42	42	411	411	122	42	42	411	411	122	45	45	411	411
5	442A 106 103	300	122	45	45	411	411	122	45	45	411	411	122	45	45	411	411
	451A 106 103	300	120	45	45	411	411	120	45	45	411	411	120	45	45	411	411

	PANEL NUMBER	FLOOR	SPANDREL PLATE T4	FY4	SCL	SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
	409A 106 103	106	3/8	36	101	101	0 X 0	1/4	0	5010	5210	1212
5	418A 106 103	106	3/8	42	101	101	0 X 0	1/4	0	1611	5210	1111
	427A 106 103	106	3/8	36	101	101	0 X 0	1/4	0	5110	1111	5210
	433A 106 103	106	3/8	36	101	101	0 X 0	1/4	0	5210	1111	5110
5	442A 106 103	106	3/8	42	101	101	0 X 0	1/4	0	1111	5210	1611
	451A 106 103	106	3/8	36	101	101	0 X 0	1/4	0	1212	5210	5010

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	FY4	SCL	SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
409A 106 103	105	3/8	36	101	101	0 X 0	1/4	0	5010	5210	1212
418A 106 103	105	3/8	36	101	101	0 X 0	1/4	0	1611	5210	1111
427A 106 103	105	3/8	36	101	101	0 X 0	1/4	0	5110	1111	5210
433A 106 103	105	3/8	36	101	101	0 X 0	1/4	0	5210	1111	5110
442A 106 103	105	3/8	36	101	101	0 X 0	1/4	0	1111	5210	1611
451A 106 103	105	3/8	36	101	101	0 X 0	1/4	0	1212	5210	5010

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

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	FY4	SCL	SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
409A 106 103	104	3/8	36	101	101	0 X 0	1/4	0	5010	5210	1212
418A 106 103	104	3/8	36	101	101	0 X 0	1/4	0	1611	5210	1111
427A 106 103	104	3/8	36	101	101	0 X 0	1/4	0	5110	1111	5210
433A 106 103	104	3/8	36	101	101	0 X 0	1/4	0	5210	1111	5110
442A 106 103	104	3/8	36	101	101	0 X 0	1/4	0	1111	5210	1611
451A 106 103	104	3/8	36	101	101	0 X 0	1/4	0	1212	5210	5010

4-A1-493

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

PROJECT: THE WORLD TRADE CENTER | TITLE: EXTERIOR WALL PANEL SCHEDULE | DATE: 6-5-67

REVISIONS

PANEL NUMBER	PANEL TYPE	COLUMN 1 TYPE	COL 1 FY1	COL 1 FY2	COL 1 CSU	COL 1 CSL	COLUMN 2 TYPE	COL 2 FY1	COL 2 FY2	COL 2 CSU	COL 2 CSL	COLUMN 3 TYPE	COL 3 FY1	COL 3 FY2	COL 3 CSU	COL 3 CSL
200A 106 104	210	120	50	50	411	411	520	55	55	0	0	120	55	55	411	411
400A 106 104	210	120	55	55	411	411	520	55	55	0	0	120	55	55	411	411

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SPD FY4	SPD SCL	SPD SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
200A 106 104	106	3/8	50	111	111	0 X 0	1/4	0	1313	5010	5610
400A 106 104	106	3/8	50	111	111	0 X 0	1/4	0	1313	5010	5610

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SPD FY4	SPD SCL	SPD SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
200A 106 104	105	3/8	50	111	111	0 X 0	1/4	0	1313	5010	5610
~~400A 106 104~~	~~105~~	~~3/8~~	~~50~~	~~111~~	~~111~~	0 X 0	1/4	0	1313	5010	5610

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

4-A1-494

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

PROJECT	TITLE	DATE
THE WORLD TRADE CENTER	EXTERIOR WALL PANEL SCHEDULE	11/10/69

REVISIONS

	PANEL NUMBER	PANEL TYPE	COLUMN 1 TYPE	COL 1 FY1	COL 1 FY2	COL 1 CSU	COL 1 CSL	COLUMN 2 TYPE	COL 2 FY1	COL 2 FY2	COL 2 CSU	COL 2 CSL	COLUMN 3 TYPE	COL 3 FY1	COL 3 FY2	COL 3 CSU	COL 3 CSL
	106A 107 104	320	120	45	45	0	411	120	45	45	0	411	120	45	45	0	411
5	124A 107 104	320	122	42	42	0	411	122	42	42	0	411	122	42	42	0	411
5	136A 107 104	320	122	45	45	0	411	122	45	45	0	411	122	45	45	0	411
	154A 107 104	320	120	45	45	0	411	120	45	45	0	411	120	45	45	0	411
	206A 107 104	320	120	42	42	0	411	120	42	42	0	411	120	42	42	0	411
5	224A 107 104	320	122	42	42	0	411	122	42	42	0	411	122	42	42	0	411
5	236A 107 104	320	122	42	42	0	411	122	42	42	0	411	122	42	42	0	411
	254A 107 104	320	120	42	42	0	411	120	42	42	0	411	120	42	42	0	411

	PANEL NUMBER	FLOOR	SPANDREL PLATE T4	FY4	SCL	SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
8	106A 107 104	107	3/8	36	301	302	0 X 0	1/4	0	4722	6120	4721
8	124A 107 104	107	3/8	42	301	302	0 X 0	1/4	0	4721	6120	4721
8	136A 107 104	107	3/8	42	302	301	0 X 0	1/4	0	4721	6120	4721
8	154A 107 104	107	3/8	36	302	301	0 X 0	1/4	0	4721	6120	4722
8	206A 107 104	107	3/8	36	301	301	0 X 0	1/4	0	6320	4711	6320
8	224A 107 104	107	3/8	36	302	302	0 X 0	1/4	0	4712	6120	4712
8	236A 107 104	107	3/8	36	302	302	0 X 0	1/4	0	4712	6120	4712
8	254A 107 104	107	3/8	36	301	301	0 X 0	1/4	0	6320	4711	6320

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	FY4	SCL	SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
106A 107 104	106	3/8	36	101	101	0 X 0	1/4	0	1311	5110	1411
124A 107 104	106	3/8	36	101	101	0 X 0	1/4	0	1411	5110	1411
136A 107 104	106	3/8	36	101	101	0 X 0	1/4	0	1411	5110	1411
154A 107 104	106	3/8	36	101	101	0 X 0	1/4	0	1411	5110	1311
206A 107 104	106	3/8	36	101	101	0 X 0	1/4	0	5110	1212	5110
224A 107 104	106	3/8	36	101	101	0 X 0	1/4	0	1111	5110	1111
236A 107 104	106	3/8	36	101	101	0 X 0	1/4	0	1111	5110	1111
254A 107 104	106	3/8	36	101	101	0 X 0	1/4	0	5110	1212	5110



PANEL NUMBER	FLOOR	SPANDREL PLATE T4	FY4	SCL	SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
106A 107 104	105	3/8	36	101	101	0 X 0	1/4	0	1311	5110	1411
124A 107 104	105	3/8	36	101	101	0 X 0	1/4	0	1411	5110	1411
136A 107 104	105	3/8	36	101	101	0 X 0	1/4	0	1411	5110	1411
154A 107 104	105	3/8	36	101	101	0 X 0	1/4	0	1411	5110	1311
206A 107 104	105	3/8	36	101	101	0 X 0	1/4	0	5110	1212	5110
224A 107 104	105	3/8	36	101	101	0 X 0	1/4	0	1111	5110	1111
236A 107 104	105	3/8	36	101	101	0 X 0	1/4	0	1111	5110	1111
254A 107 104	105	3/8	36	101	101	0 X 0	1/4	0	5110	1212	5110

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

PROJECT: THE WORLD TRADE CENTER | TITLE: EXTERIOR WALL PANEL SCHEDULE | DATE: 11/10/69

REVISIONS

	PANEL NUMBER	PANEL TYPE	COLUMN 1 TYPE	COL 1 FY1	COL 1 FY2	COL 1 CSU	COL 1 CSL	COLUMN 2 TYPE	COL 2 FY1	COL 2 FY2	COL 2 CSU	COL 2 CSL	COLUMN 3 TYPE	COL 3 FY1	COL 3 FY2	COL 3 CSU	COL 3 CSL
	115A 107 104	310	120	45	45	0	411	120	42	42	0	411	120	42	42	0	411
	145A 107 104	310	120	45	45	0	411	120	45	45	0	411	120	45	45	0	411
5	215A 107 104	310	122	42	42	0	411	122	42	42	0	411	122	42	42	0	411
5	245A 107 104	310	122	42	42	0	411	122	42	42	0	411	122	42	42	0	411

	PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
8	115A 107 104	107	3/8	36	302	301	0 X 0	1/4	0	6120	4721	6120
8	145A 107 104	107	3/8	36	301	302	0 X 0	1/4	0	6120	4721	6120
8	215A 107 104	107	3/8	42	301	302	0 X 0	1/4	0	4711	6320	7010
8	245A 107 104	107	3/8	42	302	301	0 X 0	1/4	0	7010	6320	4711

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
115A 107 104	106	3/8	36	101	101	0 X 0	1/4	0	5110	1411	5110
~~145A 107 104~~	~~106~~	~~3/8~~	~~36~~	~~101~~	~~101~~	~~0 X 0~~	~~1/4~~	~~0~~	~~5110~~	~~1411~~	~~5110~~
215A 107 104	106	3/8	36	101	101	0 X 0	1/4	0	1212	5510	5110
245A 107 104	106	3/8	36	101	101	0 X 0	1/4	0	5110	5310	1212

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

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
115A 107 104	105	3/8	36	101	101	0 X 0	1/4	0	5110	1411	5110
145A 107 104	105	3/8	36	101	101	0 X 0	1/4	0	5110	1411	5110
215A 107 104	105	3/8	36	101	101	0 X 0	1/4	0	1212	5510	5110
245A 107 104	105	3/8	36	101	101	0 X 0	1/4	0	5110	5310	1212

4-A1-496

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

PROJECT: THE WORLD TRADE CENTER | TITLE: EXTERIOR WALL PANEL SCHEDULE | DATE: 11/10/69

REVISIONS

	PANEL NUMBER	PANEL TYPE	COLUMN 1 TYPE	COL 1 FY1	COL 1 FY2	COL 1 CSU	COL 1 CSL	COLUMN 2 TYPE	COL 2 FY1	COL 2 FY2	COL 2 CSU	COL 2 CSL	COLUMN 3 TYPE	COL 3 FY1	COL 3 FY2	COL 3 CSU	COL 3 CSL
	306A 107 104	320	120	42	42	0	411	120	42	42	0	411	120	42	42	0	411
5	324A 107 104	320	122	42	42	0	411	122	42	42	0	411	122	42	42	0	411
5	336A 107 104	320	122	45	45	0	411	122	45	45	0	411	122	45	45	0	411
	354A 107 104	320	120	46	46	0	411	120	45	45	0	411	120	45	45	0	411
	406A 107 104	320	120	42	42	0	411	120	42	42	0	411	120	42	42	0	411
5	424A 107 104	320	122	42	42	0	411	122	42	42	0	411	122	42	42	0	411
5	436A 107 104	320	122	42	42	0	411	122	42	42	0	411	122	42	42	0	411
	454A 107 104	320	120	42	42	0	411	120	42	42	0	411	120	42	42	0	411

	PANEL NUMBER	FLOOR	SPANDREL PLATE T4	FY4	SCL	SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
8	306A 107 104	107	3/8	36	301	302	0 X 0	1/4	0	4722	6120	4721
8	324A 107 104	107	3/8	42	301	302	0 X 0	1/4	0	4721	6120	4721
8	336A 107 104	107	3/8	42	302	301	0 X 0	1/4	0	4721	6120	4721
8	354A 107 104	107	3/8	36	302	301	0 X 0	1/4	0	4721	6120	4722
8	406A 107 104	107	3/8	36	301	301	0 X 0	1/4	0	6320	4711	6320
8	424A 107 104	107	3/8	36	302	302	0 X 0	1/4	0	4712	6120	4712
8	436A 107 104	107	3/8	36	302	302	0 X 0	1/4	0	4712	6120	4712
8	454A 107 104	107	3/8	36	301	301	0 X 0	1/4	0	6320	4711	6320

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	FY4	SCL	SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
306A 107 104	106	3/8	36	101	101	0 X 0	1/4	0	1311	5110	1411
324A 107 104	106	3/8	36	101	101	0 X 0	1/4	0	1411	5110	1411
336A 107 104	106	3/8	36	101	101	0 X 0	1/4	0	1411	5110	1411
354A 107 104	106	3/8	36	101	101	0 X 0	1/4	0	1411	5110	1311
406A 107 104	106	3/8	36	101	101	0 X 0	1/4	0	5110	1212	5110
424A 107 104	106	3/8	36	101	101	0 X 0	1/4	0	1111	5110	1111
436A 107 104	106	3/8	36	101	101	0 X 0	1/4	0	1111	5110	1111
454A 107 104	106	3/8	36	101	101	0 X 0	1/4	0	5110	1212	5110

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	FY4	SCL	SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
306A 107 104	105	3/8	36	101	101	0 X 0	1/4	0	1311	5110	1411
324A 107 104	105	3/8	36	101	101	0 X 0	1/4	0	1411	5110	1411
336A 107 104	105	3/8	36	101	101	0 X 0	1/4	0	1411	5110	1411
354A 107 104	105	3/8	36	101	101	0 X 0	1/4	0	1411	5110	1311
406A 107 104	105	3/81	36	101	101	0 X 0	1/4	0	5110	1212	5110
424A 107 104	105	3/8	36	101	101	0 X 0	1/4	0	1111	5110	1111
436A 107 104	105	3/8	36	101	101	0 X 0	1/4	0	1111	5110	1111
454A 107 104	105	3/8	36	101	101	0 X 0	1/4	0	5110	1212	5110

LICENSED PROFESSIONAL ENGINEER — LESLIE E. ROBERTSON — No. 34350 — UNIVERSITY OF THE STATE OF NEW YORK

4-A1-497

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

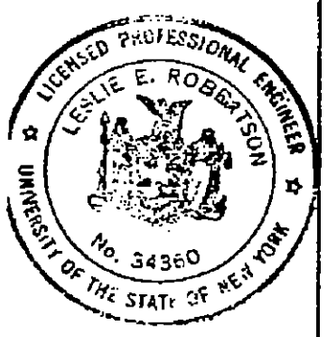
PROJECT: THE WORLD TRADE CENTER | TITLE: EXTERIOR WALL PANEL SCHEDULE | DATE: 11/10/69

REVISIONS

	PANEL NUMBER	PANEL TYPE	COLUMN 1 TYPE	COL 1 FY1	COL 1 FY2	COL 1 CSU	COL 1 CSL	COLUMN 2 TYPE	COL 2 FY1	COL 2 FY2	COL 2 CSU	COL 2 CSL	COLUMN 3 TYPE	COL 3 FY1	COL 3 FY2	COL 3 CSU	COL 3 CSL
	315A 107 104	310	120	42	42	0	411	120	42	42	0	411	120	42	42	0	411
	345A 107 104	310	120	45	45	0	411	120	46	46	0	411	120	46	46	0	411
5	415A 107 104	310	122	42	42	0	411	122	42	42	0	411	122	42	42	0	411
5	445A 107 104	310	122	45	45	0	411	122	42	42	0	411	122	42	42	0	411

	PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
8	315A 107 104	107	3/8	36	302	301	0 X 0	1/4	0	6120	4721	6120
8	345A 107 104	107	3/8	36	301	302	0 X 0	1/4	0	6120	4721	6120
8	415A 107 104	107	3/8	42	301	302	0 X 0	1/4	0	4711	6320	7010
8	445A 107 104	107	3/8	42	302	301	0 X 0	1/4	0	7010	6320	4711

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
315A 107 104	106	3/8	36	101	101	0 X 0	1/4	0	5110	1411	5110
345A 107 104	106	3/8	36	101	101	0 X 0	1/4	0	5110	1411	5110
415A 107 104	106	3/8	36	101	101	0 X 0	1/4	0	1212	5510	5110
445A 107 104	106	3/8	36	101	101	0 X 0	1/4	0	5110	5310	1212



PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
315A 107 104	105	3/8	36	101	101	0 X 0	1/4	0	5110	1411	5110
345A 107 104	105	3/8	36	101	101	0 X 0	1/4	0	5110	1411	5110
415A 107 104	105	3/8	36	101	101	0 X 0	1/4	0	1212	5510	5110
445A 107 104	105	3/8	36	101	101	0 X 0	1/4	0	5110	5310	1212

4-A1-498

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

PROJECT: THE WORLD TRADE CENTER | TITLE: EXTERIOR WALL PANEL SCHEDULE | DATE: 11/10/69

REVISIONS

	PANEL NUMBER	PANEL TYPE	COLUMN 1 TYPE	COL 1 FY1	COL 1 FY2	COL 1 CSU	COL 1 CSL	COLUMN 2 TYPE	COL 2 FY1	COL 2 FY2	COL 2 CSU	COL 2 CSL	COLUMN 3 TYPE	COL 3 FY1	COL 3 FY2	COL 3 CSU	COL 3 CSL
5	112A 107 105	230	122	42	42	0	411	122	42	42	0	411	122	42	42	0	411
5	130A 107 105	230	124	42	42	0	411	124	42	42	0	411	124	42	42	0	411
5	148A 107 105	230	122	42	42	0	411	122	42	42	0	411	122	45	45	0	411
1	212A 107 105	230	120	42	42	0	411	120	42	42	0	411	120	42	42	0	411
5	230A 107 105	230	124	36	36	0	411	124	36	36	0	411	124	36	36	0	411
1	248A 107 105	230	120	42	42	0	411	120	42	42	0	411	120	42	42	0	411

	PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
8	112A 107 105	107	3/8	42	302	302	0 X 0	1/4	0	4721	6220	4721
8	130A 107 105	107	3/8	42	302	302	0 X 0	1/4	0	4721	6220	4721
8	148A 107 105	107	3/8	42	302	302	0 X 0	1/4	0	4721	6220	4721
8	212A 107 105	107	3/8	36	301	301	0 X 0	1/4	0	6220	7010	6220
8	230A 107 105	107	3/8	42	302	302	0 X 0	1/4	0	4712	6220	4712
8	248A 107 105	107	3/8	36	301	301	0 X 0	1/4	0	6220	7010	6220

	PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
	112A 107 105	106	3/8	36	101	101	0 X 0	1/4	0	1511	5210	1411
5	130A 107 105	106	3/8	42	101	101	0 X 0	1/4	0	1411	5210	1411
	148A 107 105	106	3/8	36	101	101	0 X 0	1/4	0	1411	5210	1511
	212A 107 105	106	3/8	36	101	101	0 X 0	1/4	0	5210	5010	5210
5	230A 107 105	106	3/8	42	101	101	0 X 0	1/4	0	1111	5210	1111
	248A 107 105	106	3/8	36	101	101	0 X 0	1/4	0	5210	5010	5210



4-A1-499

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

PROJECT: THE WORLD TRADE CENTER | TITLE: EXTERIOR WALL PANEL SCHEDULE | DATE: 11/10/69

REVISIONS

	PANEL NUMBER	PANEL TYPE	COLUMN 1 TYPE	COL 1 FY1	COL 1 FY2	COL 1 CSU	COL 1 CSL	COLUMN 2 TYPE	COL 2 FY1	COL 2 FY2	COL 2 CSU	COL 2 CSL	COLUMN 3 TYPE	COL 3 FY1	COL 3 FY2	COL 3 CSU	COL 3 CSL
1	103A 107 105	220	120	42	42	0	411	120	42	42	0	411	120	42	42	0	411
1	121A 107 105	220	120	42	42	0	411	120	42	42	0	411	120	42	42	0	411
1	139A 107 105	220	120	42	42	0	411	120	42	42	0	411	120	42	42	0	411
1	157A 107 105	220	120	42	42	0	411	120	42	42	0	411	120	42	42	0	411
1	203A 107 105	220	120	46	46	0	411	120	42	42	0	411	120	42	42	0	411
5	221A 107 105	220	122	42	42	0	411	122	42	42	0	411	122	42	42	0	411
5	239A 107 105	220	122	42	42	0	411	122	42	42	0	411	122	42	42	0	411
1	257A 107 105	220	120	42	42	0	411	120	42	42	0	411	120	46	46	0	411

	PANEL NUMBER	FLOOR	SPANDREL PLATE T4	FY4	SCL	SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
8	103A 107 105	107	3/8	42	301	301	0 X 0	1/4	0	7020	7020	6220
8	121A 107 105	107	3/8	36	301	301	0 X 0	1/4	0	6220	4721	6220
8	139A 107 105	107	3/8	36	301	301	0 X 0	1/4	0	6220	4721	6220
8	157A 107 105	107	3/8	42	301	301	0 X 0	1/4	0	6220	7020	7020
8	203A 107 105	107	3/8	46	301	301	0 X 0	1/4	0	4711	6220	7010
8	221A 107 105	107	3/8	42	302	302	0 X 0	1/4	0	6220	4712	6220
8	239A 107 105	107	3/8	42	302	302	0 X 0	1/4	0	6220	4712	6220
8	257A 107 105	107	3/8	46	301	301	0 X 0	1/4	0	7010	6220	4711

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	FY4	SCL	SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
103A 107 105	106	3/8	42	111	101	0 X 0	1/4	0	5110	1311	5210
121A 107 105	106	3/8	36	101	101	0 X 0	1/4	0	5210	1411	5210
139A 107 105	106	3/8	36	101	101	0 X 0	1/4	0	5210	1411	5210
157A 107 105	106	3/8	42	101	111	0 X 0	1/4	0	5210	1311	5110
203A 107 105	106	3/8	46	111	101	0 X 0	1/4	0	1013	5210	5010
221A 107 105	106	3/8	36	101	101	0 X 0	1/4	0	5210	1111	5210
239A 107 105	106	3/8	36	101	101	0 X 0	1/4	0	5210	1111	5210
257A 107 105	106	3/8	46	101	111	0 X 0	1/4	0	5010	5210	1013

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

4-A1-500

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

PROJECT: THE WORLD TRADE CENTER | TITLE: EXTERIOR WALL PANEL SCHEDULE | DATE: 11/10/69

REVISIONS

	PANEL NUMBER	PANEL TYPE	COLUMN 1 TYPE	COL 1 FY1	COL 1 FY2	COL 1 CSU	COL 1 CSL	COLUMN 2 TYPE	COL 2 FY1	COL 2 FY2	COL 2 CSU	COL 2 CSL	COLUMN 3 TYPE	COL 3 FY1	COL 3 FY2	COL 3 CSU	COL 3 CSL
5	312A 107 105	230	122	42	42	0	411	122	42	42	0	411	122	42	42	0	411
5	330A 107 105	230	124	42	42	0	411	124	42	42	0	411	124	42	42	0	411
5	348A 107 105	230	122	45	45	0	411	122	45	45	0	411	122	45	45	0	411
1	412A 107 105	230	120	42	42	0	411	120	42	42	0	411	120	42	42	0	411
5	430A 107 105	230	124	42	42	0	411	124	42	42	0	411	124	42	42	0	411
1	448A 107 105	230	120	42	42	0	411	120	42	42	0	411	120	42	42	0	411

	PANEL NUMBER	FLOOR	SPANDREL PLATE T4	FY4	SCL	SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
8	312A 107 105	107	3/8	42	302	302	0 X 0	1/4	0	4721	6220	4721
8	330A 107 105	107	3/8	42	302	302	0 X 0	1/4	0	4721	6220	4721
8	348A 107 105	107	3/8	42	302	302	0 X 0	1/4	0	4721	6220	4721
8	412A 107 105	107	3/8	36	301	301	0 X 0	1/4	0	6220	7010	6220
8	430A 107 105	107	3/8	42	302	302	0 X 0	1/4	0	4712	6220	4712
8	448A 107 105	107	3/8	36	301	301	0 X 0	1/4	0	6220	7010	6220

	PANEL NUMBER	FLOOR	SPANDREL PLATE T4	FY4	SCL	SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
	312A 107 105	106	3/8	36	101	101	0 X 0	1/4	0	1511	5210	1411
5	330A 107 105	106	3/8	42	101	101	0 X 0	1/4	0	1411	5210	1411
	348A 107 105	106	3/8	36	101	101	0 X 0	1/4	0	1411	5210	1511
	412A 107 105	106	3/8	36	101	101	0 X 0	1/4	0	5210	5010	5210
5	430A 107 105	106	3/8	42	101	101	0 X 0	1/4	0	1111	5210	1111
	448A 107 105	106	3/8	36	101	101	0 X 0	1/4	0	5210	5010	5210

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

4-A1-501

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

PROJECT: THE WORLD TRADE CENTER | TITLE: EXTERIOR WALL PANEL SCHEDULE | DATE: 11/10/69

REVISIONS

	PANEL NUMBER	PANEL TYPE	COLUMN 1 TYPE	COL 1 FY1	COL 1 FY2	COL 1 CSU	COL 1 CSL	COLUMN 2 TYPE	COL 2 FY1	COL 2 FY2	COL 2 CSU	COL 2 CSL	COLUMN 3 TYPE	COL 3 FY1	COL 3 FY2	COL 3 CSU	COL 3 CSL
1	303A 107 105	220	120	42	42	0	411	120	42	42	0	411	120	42	42	0	411
1	321A 107 105	220	120	42	42	0	411	120	42	42	0	411	120	42	42	0	411
1	339A 107 105	220	120	45	45	0	411	120	45	45	0	411	120	45	45	0	411
1	357A 107 105	220	120	42	42	0	411	120	42	42	0	411	120	42	42	0	411
1	403A 107 105	220	120	46	46	0	411	120	42	42	0	411	120	42	42	0	411
5	421A 107 105	220	122	42	42	0	411	122	42	42	0	411	122	42	42	0	411
5	439A 107 105	220	122	42	42	0	411	122	42	42	0	411	122	42	42	0	411
1	457A 107 105	220	120	42	42	0	411	120	42	42	0	411	120	46	46	0	411

	PANEL NUMBER	FLOOR	SPANDREL PLATE T4	FY4	SCL	SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
8	303A 107 105	107	3/8	42	301	301	0 X 0	1/4	0	7020	7020	6220
8	321A 107 105	107	3/8	36	301	301	0 X 0	1/4	0	6220	4721	6220
8	339A 107 105	107	3/8	36	301	301	0 X 0	1/4	0	6220	4721	6220
8	357A 107 105	107	3/8	42	301	301	0 X 0	1/4	0	6220	7020	7020
8	403A 107 105	107	3/8	46	301	301	0 X 0	1/4	0	4711	6220	7010
8	421A 107 105	107	3/8	42	302	302	0 X 0	1/4	0	6220	4712	6220
8	439A 107 105	107	3/8	42	302	302	0 X 0	1/4	0	6220	4712	6220
8	457A 107 105	107	3/8	46	301	301	0 X 0	1/4	0	7010	6220	4711

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	FY4	SCL	SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
303A 107 105	106	3/8	42	111	101	0 X 0	1/4	0	5110	1311	5210
321A 107 105	106	3/8	36	101	101	0 X 0	1/4	0	5210	1411	5210
339A 107 105	106	3/8	36	101	101	0 X 0	1/4	0	5210	1411	5210
357A 107 105	106	3/8	42	101	111	0 X 0	1/4	0	5210	1311	5110
403A 107 105	106	3/8	46	111	101	0 X 0	1/4	0	1013	5210	5010
421A 107 105	106	3/8	36	101	101	0 X 0	1/4	0	5210	1111	5210
439A 107 105	106	3/8	36	101	101	0 X 0	1/4	0	5210	1111	5210
457A 107 105	106	3/8	46	101	111	0 X 0	1/4	0	5010	5210	1013

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

4-A1-502

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

PROJECT	TITLE	DATE
THE WORLD TRADE CENTER	EXTERIOR WALL PANEL SCHEDULE	11/10/69

REVISIONS

PANEL NUMBER	PANEL TYPE	COLUMN 1 TYPE	COL 1 FY1	COL 1 FY2	COL 1 CSU	COL 1 CSL	COLUMN 2 TYPE	COL 2 FY1	COL 2 FY2	COL 2 CSU	COL 2 CSL	COLUMN 3 TYPE	COL 3 FY1	COL 3 FY2	COL 3 CSU	COL 3 CSL
100A 107 105	240	120	50	50	0	411	520	50	50	0	0	120	50	50	0	411
300A 107 105	240	120	50	50	0	411	520	50	50	0	0	120	50	50	0	411

	PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SPANDREL PLATE FY4	SPANDREL PLATE SCL	SPANDREL PLATE SCR	WELDMENTS NO 5	WELDMENTS NO 6	WELDMENTS NO 7	SEAT DETAIL COL 1	SEAT DETAIL COL 2	SEAT DETAIL COL 3
8	100A 107 105	107	3/8	50	301	301	0 X 0	1/4	0	6620	6020	6720
8	300A 107 105	107	3/8	50	301	301	0 X 0	1/4	0	6620	6020	6720

PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SPANDREL PLATE FY4	SPANDREL PLATE SCL	SPANDREL PLATE SCR	WELDMENTS NO 5	WELDMENTS NO 6	WELDMENTS NO 7	SEAT DETAIL COL 1	SEAT DETAIL COL 2	SEAT DETAIL COL 3
100A 107 105	106	3/8	50	111	111	0 X 0	1/4	0	5410	5010	1313
300A 107 105	106	3/8	50	111	111	0 X 0	1/4	0	5410	5010	1313

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

4-A1-503

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

PROJECT: THE WORLD TRADE CENTER | TITLE: EXTERIOR WALL PANEL SCHEDULE | DATE: 11/10/69

REVISIONS

	PANEL NUMBER	PANEL TYPE	COLUMN 1 TYPE	COL 1 FY1	COL 1 FY2	COL 1 CSU	COL 1 CSL	COLUMN 2 TYPE	COL 2 FY1	COL 2 FY2	COL 2 CSU	COL 2 CSL	COLUMN 3 TYPE	COL 3 FY1	COL 3 FY2	COL 3 CSU	COL 3 CSL
	118A 107 106	140	120	42	42	0	411	120	42	42	0	411	120	42	42	0	411
	142A 107 106	140	120	42	42	0	411	120	42	42	0	411	120	42	42	0	411
5	218A 107 106	140	124	42	42	0	411	124	42	42	0	411	124	42	42	0	411
5	242A 107 106	140	124	42	42	0	411	124	42	42	0	411	124	42	42	0	411

	PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SPAN FY4	SPAN SCL	SPAN SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
8	118A 107 106	107	3/8	36	301	301	0 X 0	1/4	0	4721	6220	4721
8	142A 107 106	107	3/8	36	301	301	0 X 0	1/4	0	4721	6220	4721
8	218A 107 106	107	3/8	42	302	302	0 X 0	1/4	0	6220	4731	4712
8	242A 107 106	107	3/8	42	302	302	0 X 0	1/4	0	4712	4731	6220

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

4-A1-504

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

PROJECT: THE WORLD TRADE CENTER | TITLE: EXTERIOR WALL PANEL SCHEDULE | DATE: 11/10/69

REVISIONS

	PANEL NUMBER	PANEL TYPE	COLUMN 1 TYPE	COL 1 FY1	COL 1 FY2	COL 1 CSU	COL 1 CSL	COLUMN 2 TYPE	COL 2 FY1	COL 2 FY2	COL 2 CSU	COL 2 CSL	COLUMN 3 TYPE	COL 3 FY1	COL 3 FY2	COL 3 CSU	COL 3 CSL
5	109A 107 106	130	122	42	42	0	411	122	42	42	0	411	122	42	42	0	411
5	127A 107 106	130	124	42	42	0	411	124	42	42	0	411	124	42	42	0	411
5	133A 107 106	130	124	42	42	0	411	124	42	42	0	411	124	42	42	0	411
5	151A 107 106	130	122	45	45	0	411	122	45	45	0	411	122	45	45	0	411
	209A 107 106	130	120	42	42	0	411	120	42	42	0	411	120	42	42	0	411
5	227A 107 106	130	124	42	42	0	411	124	36	36	0	411	124	36	36	0	411
5	233A 107 106	130	124	36	36	0	411	124	42	42	0	411	124	42	42	0	411
	251A 107 106	130	120	42	42	0	411	120	42	42	0	411	120	42	42	0	411

	PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
8	109A 107 106	107	3/8	42	302	302	0 X 0	1/4	0	6220	4721	6220
8	127A 107 106	107	3/8	42	302	302	0 X 0	1/4	0	6120	4721	6220
8	133A 107 106	107	3/8	42	302	302	0 X 0	1/4	0	6220	4721	6120
8	151A 107 106	107	3/8	42	302	302	0 X 0	1/4	0	6220	4721	6220
8	209A 107 106	107	3/8	36	301	301	0 X 0	1/4	0	7010	6220	4711
8	227A 107 106	107	3/8	42	302	302	0 X 0	1/4	0	6120	4712	6220
8	233A 107 106	107	3/8	42	302	302	0 X 0	1/4	0	6220	4712	6120
8	251A 107 106	107	3/8	36	301	301	0 X 0	1/4	0	4711	6220	7010

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

4-A1-505

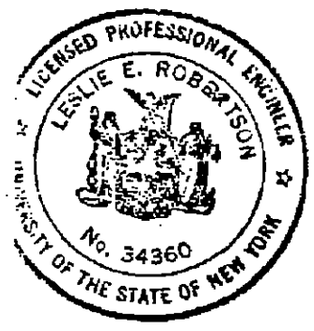
SKILLING, HELLE, CHRISTIANSEN, ROBERTSON — Structural & Civil Engineers

PROJECT: THE WORLD TRADE CENTER | TITLE: EXTERIOR WALL PANEL SCHEDULE | DATE: 11/10/69

REVISIONS

	PANEL NUMBER	PANEL TYPE	COLUMN 1 TYPE	COL 1 FY1	COL 1 FY2	COL 1 CSU	COL 1 CSL	COLUMN 2 TYPE	COL 2 FY1	COL 2 FY2	COL 2 CSU	COL 2 CSL	COLUMN 3 TYPE	COL 3 FY1	COL 3 FY2	COL 3 CSU	COL 3 CSL
	318A 107 106	140	120	42	42	0	411	120	42	42	0	411	120	42	42	0	411
	342A 107 106	140	120	45	45	0	411	120	45	45	0	411	120	45	45	0	411
5	418A 107 106	140	124	42	42	0	411	124	42	42	0	411	124	42	42	0	411
5	442A 107 106	140	124	42	42	0	411	124	42	42	0	411	124	42	42	0	411

	PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SP FY4	SP SCL	SP SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
8	318A 107 106	107	3/8	36	301	301	0 X 0	1/4	0	4721	6220	4721
8	342A 107 106	107	3/8	36	301	301	0 X 0	1/4	0	4721	6220	4721
8	418A 107 106	107	3/8	42	302	302	0 X 0	1/4	0	6220	4731	4712
8	442A 107 106	107	3/8	42	302	302	0 X 0	1/4	0	4712	4731	6220



4-A1-506

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

PROJECT: THE WORLD TRADE CENTER | TITLE: EXTERIOR WALL PANEL SCHEDULE | DATE: 11/10/69

REVISIONS

	PANEL NUMBER	PANEL TYPE	COLUMN 1 TYPE	FY1	FY2	CSU	CSL	COLUMN 2 TYPE	FY1	FY2	CSU	CSL	COLUMN 3 TYPE	FY1	FY2	CSU	CSL
5	309A 107 106	130	122	42	42	0	411	122	42	42	0	411	122	42	42	0	411
5	327A 107 106	130	124	42	42	0	411	124	42	42	0	411	124	42	42	0	411
5	333A 107 106	130	124	42	42	0	411	124	42	42	0	411	124	42	42	0	411
5	351A 107 106	130	122	45	45	0	411	122	45	45	0	411	122	45	45	0	411
	409A 107 106	130	120	42	42	0	411	120	42	42	0	411	120	42	42	0	411
5	427A 107 106	130	124	36	36	0	411	124	36	36	0	411	124	42	42	0	411
5	433A 107 106	130	124	42	42	0	411	124	42	42	0	411	124	42	42	0	411
	451A 107 106	130	120	42	42	0	411	120	42	42	0	411	120	42	42	0	411

	PANEL NUMBER	FLOOR	SPANDREL PLATE T4	FY4	SCL	SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
8	309A 107 106	107	3/8	42	302	302	0 X 0	1/4	0	6220	4721	6220
8	327A 107 106	107	3/8	42	302	302	0 X 0	1/4	0	6120	4721	6220
8	333A 107 106	107	3/8	42	302	302	0 X 0	1/4	0	6220	4721	6120
8	351A 107 106	107	3/8	42	302	302	0 X 0	1/4	0	6220	4721	6220
8	409A 107 106	107	3/8	36	301	301	0 X 0	1/4	0	7010	6220	4711
8	427A 107 106	107	3/8	42	302	302	0 X 0	1/4	0	6120	4712	6220
8	433A 107 106	107	3/8	42	302	302	0 X 0	1/4	0	6220	4712	6120
8	451A 107 106	107	3/8	36	301	301	0 X 0	1/4	0	4711	6220	7010

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

4-A1-507

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

PROJECT	TITLE	DATE
THE WORLD TRADE CENTER	EXTERIOR WALL PANEL SCHEDULE	11/10/69

REVISIONS

PANEL NUMBER	PANEL TYPE	COLUMN 1 TYPE	COL 1 FY1	COL 1 FY2	COL 1 CSU	COL 1 CSL	COLUMN 2 TYPE	COL 2 FY1	COL 2 FY2	COL 2 CSU	COL 2 CSL	COLUMN 3 TYPE	COL 3 FY1	COL 3 FY2	COL 3 CSU	COL 3 CSL
200A 107 106	150	120	50	50	0	411	0	0	0	0	0	120	50	50	0	411
400A 107 106	150	120	50	50	0	411	0	0	0	0	0	120	50	50	0	411

	PANEL NUMBER	FLOOR	SPANDREL PLATE T4	SPAN FY4	SPAN SCL	SPAN SCR	WELDMENTS NO 5	NO 6	NO 7	SEAT DETAIL COL 1	COL 2	COL 3
8	200A 107 106	107	3/8	50	301	301	0 X 0	1/4	0	6520	6020	6820
8	400A 107 106	107	3/8	50	301	301	0 X 0	1/4	0	6520	6020	6820

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

4-A1-508