A1652
A2502

1- PL A764 (NS)
2-HT BOLT 1 X 4 3/4 (490)
2-HT WASHER 1 DIA (325)
(WRENCH TIGHT)

1'-8 3/8 PLUS 1/16 MINUS 0

HOLES (1"A490)

1-PL A763

1-PL A763

MILL

(FIN. 17TH FLOOR)
(FIN. 19TH FLOOR)
(FIN. 21ST FLOOR)

22'-0

3'-6

5 1/2

12'-9

C768R (NS)

5/8 RET T&B

1310

1-2 5/8 1-2 5/8

PB1309 (NS)

PC1309

PD1309

PD1309

PC1309

A A

*FB, 14, HT BOLT 1 X 4 3/4, 490, F..A
1-PL H752

PX

1-PL H752

FILLS

1-L AD (NS)

G766 (FS)

B B

HOLES (1DIA A490)

HOLES (1DIA A490)

603=1'-6

*FB, 7, HT BOLT 1 X 3, 490, F..A
1-PL A753 (OFFSET)

*FB, 7, HT BOLT 1 X 3, 490, F..A
1-PL A753 (OFFSET)

W 36 1/2 X 280
GIRDER B

W 36 1/2 X 280
GIRDER A

B766 (FS)

*FB, 14, HT BOLT 1 X4 1/4, 490, F..A
1-PL H752

*FB, 14, HT BOLT 1 X4 1/4, 490, F..A
1-PL H752

MA1447

BOTH FLGS

BOTH FLGS

18'-5 15/16

18'-5 15/16

1-1 1/4 4

1-1 1/8 1-1 1/8

1-2 5/8 1-2 5/8

1-PL PAC

1-PL PAB

1-L C768R

1-PL PB1310

2-PL PD1309

2-PL PC1309

1-PL PX

AD

1-L G766

*FB, 2, HT BOLT 7/8 X 2 3/4, 325, F..A

1-L B766

*FB, 2, HT BOLT 7/8 X 2 3/4, 325, F..A

1-MC-MA1447

1-1 1/2

DRILLED HOLE

A763

NO WELD

5/16 EFFECTIVE

TYP BOTH FLANGES

TYP

DRILLED HOLE

PL PAB/PAC

PAC

PAB

1-1 1/2

10 1/2

W23 5/8X55

X 7/8 SLOTS

1'-9 7/8

3'-6 7/8

19'-6 7/8

18'-5 1/8

*DIV 1709, A1652, 1, W14X550, X 25-6 00, A36, M2E COL, P13, 4,
*DIV 1909, A1652, 1, W14X550, X 25-6 00, A36, M2E COL, P13, 4,
*DIV 2109, A1652, 1, W14X550, X 25-6 00, A36, M2E COL, P13, 4,
(W 20 1/4 X 17 1/4 X 2 3/8 @ 550)

COL 48
COL 48
COL 48

EAST

1-8 1/4

3 13/16

MILL

3'-6

HOLES (1DIA.A490)

HOLES (1DIA.A490)

11 1/2 BOTH FLGS (TYP)

*FB, 10, HT BOLT 1 X 4 3/4, 490, F..A
*FB, 16, HT BOLT 1 X 6 1/4, 490, F..A

A1651
A1652

MATERIAL

: 4, PI 005 1/4 X00 3/8, X 0-7 1/2, PD1309, 44W, ... A
: 8, PI 012 00 X00 7/8, X 2-0 1/2, H752, 44W, P1E, . . . A
: 4, PI 005 00 X00 1/2, X 1-9 1/2, A753, 44W, ... A
: 2, PI 018 7/8 X00 1/2, X 2-8 00, PB1310, 44W, BENT, . . . A
: 4, PI 007 1/2 X00 3/8, X 0-10 3/4, PC1309, 44W, ... A
: 2, PI 015 00 X00 5/8, X 2-1 1/2, A763, 44W, ... A
: 1, PI 010 00 X00 5/8, X 1-2 00, A764, 44W, ... A
: 2, 9MC25.4, X 2-1 1/2, MA1447, A36, , P217, 2, , A
: 2, L 6 X 4 X 5/16, X 1-10 1/2, C768R, 44W, ... A
: 2, L 4 X 4 X 3/8, X 1-0 1/2, G766, 44W, ... A
: 2, L 8 X 4 X 3/4, X 1-0 1/2, B766, 44W, ... A
: 2, L 3 X 3 X 3/8, X 0-8 00, AD, 44W, ... A
: 2, HT BOLT 1 X 4 3/4, . . 490, ... A
: 2, HT WASHER 1 , , , 325, ... A

+FB, 166, HT WASHER 1, 325, . . A
: 1, 1F 3/16, X 12-0 00, . A
: 1, 1F 5/16, X 39-0 00, . A
: 1, 1F 3/8, X 6-0 00, . A
: 1, 1F 1/2, X 4-0 00, . A
: 1, 6G 1/2, X 8-0 00, . A
: 1, 6G 1/4, X 8-0 00, . A
: 1, PI 012 1/2 X01 3/4, X 1-4 00, PAC, 44W, CUT TO FIT, . . . A
: 1, PI 012 1/2 X01 3/4, X 1-1 00, PAB, 44W, CUT TO FIT, . . . A
: 2, PI 005 3/4 X00 1/2, X 2-8 00, PX, 44W, ... A

603=1'-6 1-2 5/8 1-2 5/8 603=1'-6

G766

H752

AD

PD1309

PB1310
PC1309
PD1309

PC1309

1-8 1/2

SECTION A-A

HOLES

B766

A753

A753

1-1 1/8 1-1 1/8

SECTION B-B

SHOP NOTES
MATERIAL G40.21 44W U/N
E70 SERIES ELECTRODES
REF. D1AG'S E16 TO E21, 9109, 9110, 9102, E117, E118A, CW-1

July 3/85

DIM'S SHOWN IN BRACKETS ARE BASED ON ACCURATE COL SIZES.

SHOP SCRIBE VISIBLE C/L ON BOTH FLGS & B/S WEB TOP & BOTT.

FOR 1 DIA A490

R 3 DATE	BY	SPEC AS NOTED	FRANKEL STEEL LIMITED		
E 2 DATE	BY	HOLES 1 3/16 DIA U/N	220 ATTWELL DRIVE, UNIT 1, REXDALE, ONTARIO M9W 5B2		
V 1 DATE	BY	FINISH NONE			
MADE 27 M.X.	DATE MAY 85	SQUAD FR	PROJECT: 7 WORLD TRADE CENTER	CONTRACT 84-152	DWG. NO. 1652
CHK'D 28 GM	DATE July 2/85		DETAIL: COLS (9TH, 10TH, 11TH TIER) (ZONE 2)		