A1446

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

ELEV. 491'-0 (FIN. 15TH FLOOR)

3'-6

5 1/2

22'-0

12'-9

A768 (NS)

BOTH FLGS

BOTH FLGS

1-1 1/4 1-1 1/4

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

A767 (NS)

B767

B767

A

A

FILLS

*FB, 14, HT BOLT 1 X 5, 490, F., A
1-PL H752

*FB, 14, HT BOLT 1 X 5, 490, F., A
1-PL H752

FILLS

1-L AD (NS)

G766 (FS)

HOLES (1DIA A490)

B

B

HOLES (1DIA A490)

W 36 3/4 X 300 GIRDER B

W 36 3/4 X 300 GIRDER A

683=1'-6

683=1'-6

*FB, 7, HT BOLT 1 X 3 1/4, 490, F., A
1-PL A753 (OFFSET)

*FB, 7, HT BOLT 1 X 3 1/4, 490, F., A
1-PL A753 (OFFSET)

B766 (FS)

1-2 1/4

1-2 5/16

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

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

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

1-2 1/4

1-2 5/16

18'-5 11/16

B768 (NS)
MA1421

1-1/4 1-1/4

BOTH FLGS

BOTH FLGS

18'-5 11/16

13 3/4

11 1/2

DRILLED HOLE

5 3/4

3 3/8

A763

1-2 1/2

383=9

NO WELD 4

5/16 EFFECTIVE

X 7/8 SLOTS

1-L A768

12

5 5/8

BOTH FLANGES

6

65

1-PL A767

1'-9 7/8

9 7/8

22'-9 7/8

23'-9 7/8

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

1-L G766

1-0

22'-11 1/8

DRILLED HOLE

FILLS

2-PL B767

1-PL PAB

AD

1 X 15/16 SLOTS

W23 5/8X55

21'-6 1/2

21'-6 7/8

2 1/2

10 1/2

3'-6 7/8

X 7/8 SLOTS

19'-6 7/8

1-L B766

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

18'-5 1/8

1-MC B768
MA1421

MATERIAL

: 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 017 7/8 X00 1/2, X 2-4 00, A767, 44W, BENT, . . . A
: 4, PI 006 1/2 X00 3/8, X 0-10 3/4, B767, 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
: 1, PI 012 1/2 X01 3/4, X 1-1 00, PAB, 44W, ... A
: 2, L 6 X 4 X 5/16, X 2-6 00, A768, 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
: 6, HT WASHER 1 . . . 325, ... A
: 4, PI 015 00 X00 1/8, X 1-4 1/2, FA, 44W, ... 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 8-0 00, . A
: 1, 1F 1/2, X 4-0 00, . A
: 1, 1G 1/2, X 8-0 00, . A
: 1, 1G 3/8, X 1-0 00, . A
: 1, 1G 1/4, X 8-0 00, . A

: 4, HT BOLT 1 X 5 3/4, . . 490, ... A
: 1, PI 006 1/2 X00 1/8, X0-9 1/2, FB, 44W, ... A
: 2, 9MC25.4, X (1-10, 8766) A36, . P217, 2, . A
2-6, MA1421

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

4 1/2 4 1/4 4 (4 1/2)

G766

AD

H752

TYP

TYP

A767

B767

B767

TYP

SHOP NOTE!
BRACKET OFFSET 1/2" TO WEST

SECTION A-A

HOLES

B766

A753

A753

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

SECTION B-B

*DIV 1510, A1445, 1, W14X550, X 25-6 00, A36, M2E
(W 20 1/4 X 17 1/4 X 2 3/8 @ 550)

COL 51

ELEV. 478'-3 (FIN. 14TH FLOOR)

9'-3

5 1/2

12'-9

A768 (NS)

BOTH FLGS

BOTH FLGS

1-1 1/4 1-1 1/4

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

A767 (NS)

B767

B767

A

A

FILLS

*FB, 14, HT BOLT 1 X 5, 490, F., A
1-PL H752

*FB, 14, HT BOLT 1 X 5, 490, F., A
1-PL H752

FILLS

1-L AD (NS)

G766 (FS)

HOLES (1DIA A490)

B

B

HOLES (1DIA A490)

W 36 3/4 X 300 GIRDER B

W 36 3/4 X 300 GIRDER A

683=1'-6

683=1'-6

*FB, 7, HT BOLT 1 X 3 1/4, 490, F., A
1-PL A753 (OFFSET)

*FB, 7, HT BOLT 1 X 3 1/4, 490, F., A
1-PL A753 (OFFSET)

B766 (FS)

1-2 1/4

1-2 5/16

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

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

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

1-2 1/4

1-2 5/16

5'-8 11/16

B768 (NS)
MA1421

1-1/4 1-1/4

BOTH FLGS

BOTH FLGS

5'-8 11/16

X 7/8 SLOTS

1-L A768

1'-9 7/8

9 7/8

11'-0 7/8

1-PL A767

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

1-L G766

10'-0 7/8

2-PL B767

FILLS

AD

1 X 15/16 SLOTS

W23 5/8X55

8'-9 1/2

8'-9 7/8

3'-6 7/8

X 7/8 SLOTS

6'-9 7/8

1-L B766

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

5'-8 1/8

1-MC B768
MA1421

EAST

1-8 1/4

1-FILL-FB (NS)

3 13/16

2-FILLS-FA
2-HT BOLT 1 X 5 3/4 (A490)
2-HT WASHER 1 (325)
(WRENCH TIGHT)

2-FILLS-FA
2-HT BOLT 1 X 5 3/4 (A490)
2-HT WASHER 1 (325)
(WRENCH TIGHT)

MILL

HOLES (1DIA.A490)

1/4

1-8 3/4

PLUS 0 MINUS 1/16

*FB, 4, HT BOLT 1 X4 3/4, 490, F., A
*FB, 6, HT BOLT 1 X5 [illegible], 490, F., A
*FB, 16, HT BOLT 1 X6 1/2, 490, F., A

A1444

ELEV. 465'-6 (FIN. 13TH FLOOR)

3-6

12'-9

HOLES (1DIA.A490)

FILL-FA

3 1/2

383=9 3/4

11 1/2 BOTH FLGS (TYP)

SHOP NOTES
MATERIAL G40.21 44W U/N
E70 SERIES ELECTRODES
REF. D1AG'S E14, E15, 9102, 9109, E117, E118A, CW-1

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

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

July 2/85 R.
June 26/85

FOR 1 DIA A490

R 3 DATE BY	SPEC AS NOTED	FRANKEL STEEL LIMITED			
E 2 DATE BY	HOLES 1 3/16 D1A U/N	220 ATTWELL DRIVE, UNIT 1, REXDALE, ONTARIO M9W 5B2			
V 1 DATE JULY2/85 BY GM	FINISH NONE				
MADE 27 M.X.	DATE MAY 85	SQUAD FR	PROJECT: 7 WORLD TRADE CENTER	CONTRACT 84-152	DWG. NO. 1445
CHK'D 28 GM	DATE JUNE 25/85		DETAIL: COLUMN (8TH TIER) (ZONE 2)		

MA1421