A1441
A1447

1- PL A764 (NS)
2-HT BOLT 1 X 5 (490)
2-HT WASHER 1 DIA (325)
(WRENCH TIGHT)

1'-9

PLUS 1/16
MINUS 0

HOLES
(1"A490)

1-PL A763

1-PL A763

MILL

(FIN. 11TH FLOOR)
(FIN. 13TH FLOOR)

22'-0

3'-6

5 1/2

12'-9

C768R (NS)

1-1 1/4 4

1-2 15/16 1-2 15/16

A767 (NS)

B767

B767

A

A

+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

FILLS

1-L AD (NS)

G766 (FS)

HOLES
(1DIA A490)

B

B

HOLES
(1DIA A490)

+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)

603=1'-6

603=1'-6

W 36 3/4 X 300
GIRDER B

W 36 3/4 X 300
GIRDER A

B766 (FS)

1-1 7/16 1-1 7/16

+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

1-2 5/16

1-2 5/16

1-2 1/4

1-2 1/4

TYP

TYP

5/8 RET
T&B

1-1 1/4 4

C768R (NS)

18'-5 11/16

18'-5 11/16

1-L C768R

1-PL A767

1-9 7/8

9 7/8

23'-9 7/8

2-PL B767

21'-9 7/8

21'-6 1/2

3'-6 7/8

AD

SLOTS

21'-6 7/8

19'-6 7/8

M23 5/8X55

+FB, 2, HT BOLT 7/8 X 2 3/4, 325, F., A
1-L G766

1-L B766

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

1-L C768R

18'-5 1/8

DRILLED HOLE

A763

NO WELD

5/16 EFFECTIVE

FOR ADD'L SHOPWORK
SEE DWG. 9153

(FIN. 9TH FLOOR)
(FIN. 11TH FLOOR)

3'-6

12'-9

5 1/2

3'-3

(FIN. 10TH FLOOR)
(FIN. 12TH FLOOR)

C768R (NS)

1-1 1/4 4

1-2 15/16 1-2 15/16

A767 (NS)

B767

B767

A

A

+FB, 14, HT BOLT 1 X5, 490, F., A
1-PL H752

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

FILLS

FILLS

1-L AD (NS)

G766 (FS)

HOLES
(1DIA A490)

B

B

HOLES
(1DIA A490)

+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)

603=1'-6

603=1'-6

W 36 3/4 X 300
GIRDER B

W 36 3/4 X 300
GIRDER A

B766 (FS)

1-1 7/16 1-1 7/16

+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

1-2 5/16

1-2 5/16

1-2 1/4

1-2 1/4

TYP

TYP

5/8 RET
T&B

1-1 1/4 4

C768R (NS)

5'-8 11/16

5'-8 11/16

1-L C768R

1-PL A767

1'-9 7/8

9 7/8

11'-0 7/8

2-PL B767

8'-9 1/2

AD

SLOTS

8'-9 7/8

6'-9 7/8

M23 5/8X55

+FB, 2, HT BOLT 7/8 X 2 3/4, 325, F., A
1-L G766

1-L B766

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

1-L C768R

5'-8 1/8

EAST

1-8 7/8

4 3/16

MILL

3'-6

HOLES
(1"-A490)

10 - 1" x 5 (A490)
16 - 1" x 6 1/2 (A490)

A1308
A1441

HOLES
(1" A490)

11 1/2 BOTH FLG'S

*DIV 1109, A1441, 1, W14X605, X 25-6 00, A36, M2E COL, P13, 21,
* DIV. 1309, A1441, 1, (W 20 7/8 X 17 3/8 X 2 5/8 @ 605)

COLS 50
COL 50

NOTE

HAND WRITTEN
BILL REQUIRED

MATERIAL

: 16, PI 012 00 X00 7/8, X 2-0 1/2, H752, 44W, P1E, . . . A
: 8, PI 005 00 X00 1/2, X 1-9 1/2, A753, 44W, ... A
: 4, PI 017 7/8 X00 1/2, X 2-4 00, A767, 44W, BENT, . . . A
: 8, PI 006 1/2 X00 3/8, X 0-10 3/4, B767, 44W, ... A
: 4, PI 015 00 X00 5/8, X 2-1 1/2, A763, 44W, ... A
: 2, PI 010 00 X00 5/8, X 1-2 00, A764, 44W, ... A
~~: 1, PI 018 00 X01 00, X 2-00 00, PA, 44W, . . . A~~
: 8, L 6 X 4 X 5/16, X 1-10 1/2, C768R, 44W, ... A
: 4, L 4 X 4 X 3/8, X 1-0 1/2, G766, 44W, ... A
: 4, L 8 X 4 X 3/4, X 1-0 1/2, B766, 44W, ... A
: 4, L 3 X 3 X 3/8, X 0-8 00, AD, 44W, ... A
: 4, HT BOLT 1 X 5, . . 490, ... A
: 4, HT WASHER 1 . . . 325, ... A

~~FB, HT WASHER 1, 325, . . . A~~
: 1, 1F 3/16, X 24-0 00, . A
: 1, 1F 5/16, X 78-0 00, . A
: 1, 1F 3/8, X 12-0 00, . A
: 1, 1F 1/2, X 8-0 00, . A
: 1, 6G 1/2, X 8-0 00, . A
: 1, 6G 1/4, X 8-0 00, . A

603=1'-6 1-2 15/16 1-2 15/16 603=1'-6

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

G766

AD

H752

H752

TYP

TYP

A767

B767

B767

1" R

1/2

1'-3 1/2

1'-0 1/2

BOTH FLGS

SECTION A-A

HOLES

B766

A753

A753

1/2

1/2

(3)

(3)

1-1 7/16 1-1 7/16

SECTION B-B

FIELD BOLTS A325 N

32 - 1" H.T. BOLTS x 6 1/2 ~A490
132 - 1" x 5
112 - 1" x 4 1/4
56 - 1" x 3 1/4

8 - 7/8" H.T. BOLTS x 2 3/4

332 - 1" H.T. WASHERS ~A325

SHOP NOTES
MATERIAL G40.21 44W U/N
E70 SERIES ELECTRODES
REF. D1AG'S E10, E11, 9105, 9102, E117, E118A, CW-1
E12, E13

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

June 7/85

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 JULY 6/85	BY GM	FINISH	NONE		
MADE 27	M.K.	DATE MAY 85	SQUAD FR	PROJECT: 7 WORLD TRADE CENTER		CONTRACT	DWG. NO.
CHK'D 28	JIM	DATE JUNE 85		DETAIL: COLUMNS (6TH & 7TH TIERS (ZONE 2)		84-152	1441