A1663

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

22'-0 3'-6 5 1/2 12'-9

A768 (NS) BOTH FLGS BOTH FLGS

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

1-2 3/8 1-2 5/8 A767 (NS) B767 B767

A A

+FB. 16, HT BOLT 1 X 5, 490, F., A
1-PL B752

+FB. 20, HT BOLT 1 X 5 1/4, 490, F., A
1-PL D752

FILLS FILLS

1-L AD (NS) G766 (FS)

B B

HOLES (1DIA A490)

HOLES (1DIA A490)

683=1'-6 683=2'-0

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

+FB. 9, HT BOLT 1 X 3 1/4, 490, F., A
1-PL D753 (OFFSET)

B766 (FS)

W 36 3/4 X 300 GIRDER B

W 36 3/4 X 300 GIRDER A

+FB. 16, HT BOLT 1 X 4 1/2, 490, F., A
1-PL B752

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

+FB. 20, HT BOLT 1 X 4 3/4, 490, F., A
1-PL D752

G768 (NS)

BOTH FLGS BOTH FLGS

18'-5 11/16 18'-5 11/16

1-2 5/16 1-2 1/4

1-L A768 1-PL A767 2-PL B767 AD 1-MC-G768

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

DRILLED HOLE

A763

NO WELD 4

5/16 EFFECTIVE

BOTH FLANGES

DRILLED HOLE

1-PL PAB

1'-9 7/8 23'-9 7/8 22'-9 7/8 21'-6 1/2 3'-6 7/8 18'-5 1/8

19'-6 7/8 21'-6 7/8 23'-1 7/8

X 7/8 SLOTS

X 15/16 SLOTS

W23 5/8X55

ELEV. 452'-9 (FIN. 12TH 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

+FB. 16, HT BOLT 1 X5, 490, F., A
1-PL B752

+FB. 20, HT BOLT 1 X 5 1/4, 490, F., A
1-PL D752

FILLS FILLS

1-L AD (NS) G766 (FS)

B B

HOLES (1DIA A490)

HOLES (1DIA A490)

683=1'-6 683=2'-0

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

+FB. 9, HT BOLT 1 X 3 1/4, 490, F., A
1-PL D753 (OFFSET)

B766 (FS)

W 36 3/4 X 300 GIRDER B

W 36 3/4 X 300 GIRDER A

+FB. 16, HT BOLT 1 X4 1/2, 490, F., A
1-PL B752

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

+FB. 20, HT BOLT 1 X4 3/4, 490, F., A
1-PL D752

G768 (NS)

BOTH FLGS BOTH FLGS

B/S CONT

2-PL'S-PAA (M1E)

CHAMFER 45

5'-8 11/16 5'-8 11/16

1-2 5/16 1-2 1/4

1-L A768 1-PL A767 2-PL B767 AD 1-MC-G768

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'-9 7/8 11'-0 7/8 10'-0 7/8 8'-9 1/2 3'-6 7/8 5'-8 1/8

6'-9 7/8 8'-9 7/8

X 7/8 SLOTS

X 15/16 SLOTS

W23 5/8X55

EAST

3 13/16

1-8 1/4

MILL

ELEV. 440'-0 (FIN. 11TH FLOOR)

3'-6

HOLES (1DIA.A490)

+FB. 10, HT BOLT 1 X 6 3/4, 490, F., A
+FB. 18, HT BOLT 1 X 6 1/4, 490, F., A

HOLES (1DIA.A490)

3 1/2 383=9

11 1/2 BOTH FLGS (TYP)

COL 55

*DIV 1318, A1662, 1, W14X550, X 25-6 00, A36, M2E COL, P13, 4,
(W 20 1/4 X 17 1/4 X 2 3/8 @ 550)

A1502

MATERIAL

: 4, PI 012 00 X01 00, X 2-3 1/2, B752, 44W, P1E, , , A
: 4, PI 012 00 X01 1/4, X 2-9 1/2, D752, 44W, P1E, , , A
: 2, PI 005 00 X00 1/2, X 2-3 1/2, D753, 44W, , , , A
: 2, 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
: 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, B765, 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
: 1, PI 012 1/2 X01 3/4, X 1-1 00, PAB, 44W, CUT TO FIT, , , A
: 2, 9MC25.4, X 1-10, G768, A36, , P217, 2, , A
: 2, PI 012 1/2 X01 00, X 24-10 00, PAA, A36, M1E P2S, P129, 11, , A
+FB, 202, HT WASHER 1, 325, , , A
: 1, 1F 3/16, X 12-0 00, , A
: 1, 1F 5/16, X 139-0 00, , A
: 1, 1F 3/8, X 6-0 00, , A
: 1, 1F 1/2, X 4-0 00, , A
: 1, 1G 1/2, X 4-0 00, , A
: 1, 1G 11/16, X 4-0 00, , A
: 1, 1G 5/16, X 4-0 00, , A
: 1, 1G 1/4, X 4-0 00, , A

7@3=1'-9 1-2 5/8 1-2 5/8 9@3=2'-3

G766

B752 D752

TYP TYP

AD

A767 B767 B767

SECTION A-A

HOLES

B766

A753 D753

PAA

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 E12/13, 9105, E117, E118A, CW-1, 9102

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 19/85

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 JUNE 26/85	BY GM	FINISH NONE	
MADE 27 M.X.		DATE JUNE 85	SQUAD FR	PROJECT: 7 WORLD TRADE CENTER	CONTRACT 84-152 / DWG. NO. 1662
CHK'D 28 GM		DATE JUNE 19/85		DETAIL: COLUMN (7TH TIER) (ZONE 2)	

SECT'REV.