A1603

1'-8 3/8 1/16

2-PL'S-A764
2-HT BOLT 1X5 1/4 (490)
2-HT WASHER 1 DIA (325)
(WRENCH TIGHT)

1-PL D763

1-PL D763

11/16 Ø HOLES (1"A490)

2 3 3

MILL

3'-6

ELEV. 542'-0 (FIN. 19TH FLOOR)

22'-0

4'-7 1/2 | 4'-3 7/8

+FB, 20, HT BOLT 1X 3 3/4, 490, F., A
+FB, 12, HT BOLT 1X 3 1/2, 490, F., A (WEB)

1-L-D768 (N/S)

4 3

5 1/2 | 4 1/2 | 21'-6 1/2 | 683=1'-6

PL-C751

B

1-LAD (N/S)

B770 (F/S)

C

L-A770 (F/S)

2-PL-C750
2-HT BOLT 1X 3 1/2 (490)
2-HT WASHER 1 (325)
(SHIP BACK BOLTED)
(WRENCH TIGHT)

1-W-MA (ON C/L)
2-PL-C751 (ON C/L)
4-HT BOLT 1X3 3/4 (490)
4-HT WASHER 1 (325)
(SHIP BACK BOLTED)
(WRENCH TIGHT)

1-L-D768 (N/S)

1-W -MB (ON C/L)

3'-9 | 3'-5 3/8

2 1/2

12'-9

1-L-D768 (N/S)

6 X 7/8 SLOT

4'-11 | 4'-7 1/2 | 4'-7 3/8 | 4'-3 7/8 | 3 1/2 | 3 1/2

(3'-9 3/8) | (3'-5 3/4)

HLS IN MA (1DIA.A490)

HLS IN C751 (1DIA.A490)

1 1/2 1-L-D768 (N/S)

(TYP.) P.P. T&B FLG.

PL-C751

(GA-5 1/2)

1-LAD (N/S)

B770 (F/S)

1DIA (A490)

2-PL-C750
2-HT BOLT 1X 3 1/2 (490)
2-HT WASHER 1 (325)
(SHIP BACK BOLTED)
(WRENCH TIGHT)

L-A770 (F/S)

22 TYP.

1-L-D768 (N/S)

(1DIA.A490)

1 - W-MB (ON C/L)

5/8RET @T&B

+FB, 20, HT BOLT 1X 3 3/4, 490, F., A
+FB, 12, HT BOLT 1X 3 1/2, 490, F., A (WEB)

1-L-D768 (N/S)

(2'-10 7/8) | (2'-7 1/4)

6 X 7/8 SLOT

3 13/16

1-8 1/4

383=9 | 10 | 383=9 | 3'-9 | 3'-5 3/8 | 383=9

ELEV. 529'-3 (FIN. 18TH FLOOR)

9'3

ELEV. 516'-6 (FIN. 17TH FLOOR)

3'-6

MILL

(SOUTH)

11/16 Ø HOLES (1DIA.A490)

A1601

+FB, 28, HT BOLT 1X 6 1/4, 490, F., A
+FB, 10, HT BOLT 1X 5 1/4, 490, F., A

1 3/4 | 11 1/2 | 5 3/4

24 Ø DRILLED HOLE

3 1/2

PL- D763

1-11 1/2 | 683=1'-6 | 3 1/2

4 NO WELD

5/16 EFFECTIVE

L-D768

+FB, 2, HT BOLT 7/8 X 2 3/4, 325, F., A
1-PL-B770

1'-1 7/8 | 23'-1 7/8

3/8 FILLS | 5 1/2

AD

3 3

5/16 5/16

3'-6 7/8 | 21'-6 1/2 | 21'-6 7/8 | W23 5/8X55

8

19'-6 7/8

1-L-A770

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

L-D768

18'-5 1/8 | 8 5/8

4

L-D768

17'-8 1/2

L-D768

1'-1 7/8 | 10'-4 7/8

+FB, 2, HT BOLT 7/8 X 2 3/4, 325, F., A
1-PL-B770

3/8 FILLS | 5 1/2

AD

3 3

5/16 5/16

3'-6 7/8 | 8'-9 1/2 | 8'-9 7/8 | W23 5/8X55

8

6'-9 7/8

1-L-A770

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

L-D768

5'-8 1/8 | 8 5/8

4

L-D768

4'-11 1/2

L-D768

11/16 Ø HOLES (1DIA.A490)

683=1'-6

3 1/2 | 11 1/2 BOTH FLGS (TYP)

COL 31

*DIV 1901, A1602, 1, W14X550, X 25-6 00, A36, M2E COL, P13, 4, (W 20 1/4 X 17 1/4 X 2 3/8 X 550)

MATERIAL

: 2, PI 010 00 X00 5/8, X 1-2 00, A764, 44W, ... A
: 2, PI 015 00 X00 3/4, X 3-7 1/2, D763, 44W, ... A

: 2, PI 006 1/2 X00 3/8, X 1-0 1/2, B770, 44W, ... A
: 4, PI 009 00 X00 3/4, X 2-7 1/2, C751, 44W, ... A
: 4, PI 010 1/2 X00 1/2, X 1-9 1/2, C750, 44W, ... A

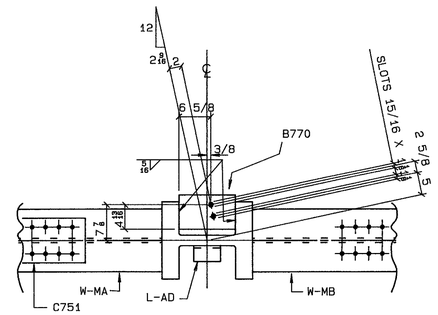
: 2, L 8 X 6 X 3/4, X 1-0 1/2, A770, 44W, ... A
: 2, L 3 X 3 X 3/8, X 0-8 00, AD, 44W, ... A
: 6, L 4 X 3 X 3/8, X 1-2 00, D768, 44W, ... A
: 2, W36X210, X 3-11 3/8, MA, A36, P1E CUT B782, P96, 11, . A
: 2, W36X210, X 3-7 3/4, MB, A36, P1E CUT B782, P96, 11, . A

CUT WITH MAIG12 (4:35/16)

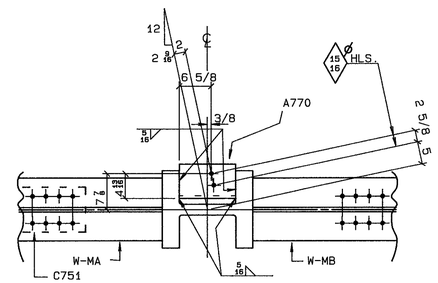
: 2, HTBOLT 1X5 1/4, . . 490, ... A
: 4, HTBOLT 1X3 1/2, . . 490, ... A
: 8, HTBOLT 1X3 3/4, . . 490, ... A
: 14, HT WASHER 1, . . 325, ... A
+FB, 118, HT WASHER 1, 325, . . A

: 1, 1F 5/16, X27-0 00, . . A
: 1, 6G 1 1/8, X~~3-0 00~~, . . A
: 1, 1F 3/8, X7-0 00, . . A

1, GG 1, X 4'-0



SECTION - B-B



SECTION-C-C

SHOP NOTES
MATERIAL 640.21-44W U/N
E70 SERIES ELECTRODES
REF.DWGS.E18, E19, E117, E118A, CW-1, 9113, 9101

June 28/85

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 1DIA.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 GM/RJ		DATE 1JUN85	SQUAD FR	PROJECT: 7 WORLD TRADE CENTER		CONTRACT 84-152	DWG.NO. 1602
CHK'D 28 ES		DATE 28-6-85		DETAIL: COLUMNS (10TH TIER) ZONE 2			