W21 5/8 x 665

2 - PL A764 (NS)
2-HT BOLT 1 X 5 3/4 (490)
2-HT WASHER 1 DIA (325)
(WRENCH TIGHT)

1-9 3/4 PLUS 1/16 MINUS 0

1 1/16 Ø HOLES (1"A490)

1-PL D763

1-PL D763

MILL

ELEV. 414'-6 (FIN. 9TH FLOOR)

3'-6

5 1/2

12'-9

A768 (NS)

1-3 5/16

A767 (NS)

B767

B767

A

A

(12-WASH)

+FB. 12, HT BOLT 1 X 4 3/4, 490, F., A

1-PL A752

1-L AD (NS)

FILLS

14 - 1Ø x 4 1/2 (14-WASH)

1-PL PC

aa (FS)

1 1/16 Ø HOLES (1DIA A490)

(7-WASH)

+FB. 7 HT BOLT 1 X 3, 490, F., A

1-PL A753 (OFFSET)

+FB. 12, HT BOLT 1 X 3 3/4, 490, F., A

1-PL A752

ab (FS)

1-PL PC

A768 (NS)

G

14 - 1Ø x 4 (14-WASH)

W 35 7/8 X 230 GIRDER A

W 35 7/8 X 230 GIRDER B

1'-1 3/8

1'-1 7/16

1'-4 3/8

1'-4 7/16

B

B

(6-WASH)

+FB. 6 HT BOLT 1 X 3, 490, F., A

1-PL C753 (OFFSET)

1 1/16 Ø HOLES (1DIA A490)

583=1'-3

593=1'-3

22 1/2

22 1/2

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

BOTH FLGS

5/16

A768 (NS)

1-3 5/16

A767 (NS)

B767

B767

A

A

(12-WASH)

+FB. 12, HT BOLT 1 X 4 3/4, 490, F., A

1-PL A752 (PREP.I.E.)

1-L AD (NS)

FILLS

1-L aa (N.S.)

1-PL pa (F.S.)

1-PL PC (P.I.E, B.C.I.E)

14 - 1Ø x 4 1/2 (14-WASH)

(6-WASH)

+FB. 6 HT BOLT 1 X 3, 490, F., A

1-PL C753 (OFFSET)

1 1/16 Ø HOLES (1DIA A490)

(12-WASH) pd pb (F.S.)

+FB. 7 HT BOLT 1 X 3, 490, F., A

1-PL A753 (OFFSET)

+FB. 12, HT BOLT 1 X3 3/4, 490, F., A

1-PL A752

1-PL PC

A768 (NS)

G

14 - 1Ø x 4 (14-WASH.)

W 35 7/8 X 230 GIRDER A

W 35 7/8 X 230 GIRDER B

1'-1 3/8

1'-1 7/16

1'-4 3/8

1'-4 7/16

583=1'-3

593=1'-3

9 1/16

9 1/16

ELEV. 401'-9 (FIN. 8TH FLOOR)

L3 5/16

5 1/2

12'-9

8

MILL

EL 389'-0 (FIN 7TH FLR)

SHOP NOTE: ALL R. DIMS

WEST

1'-9 5/8

42

10 13/16

1/16 Ø HLS

(PREP)

12

12

(PREP)

12

12

12

12

8-1Ø x 5 (8-WASH)

D763

24 Ø HLS

3/4

11 1/2

5 1/2

3/4

13

GE3=1'-6

3 1/2

1'-11 1/2

NO WELD 4

3/8

5/16 EFFECTIVE

1-L A768

1-PL A767

1'-9 7/8

9 7/8

23 1/16

2-PL B767

1-L aa 2-3/4Ø x 2 1/2

AD

5/16 3

3

14 x 13/16 SLOTS

2 1/4

1'-0 1/2

W12 x 19

7 1/2

3'-6 7/8

25 1/2

2 1/2

2 1/2 x 7/8 SLOTS

2-3/4 x 2 1/2

1-L ab

pc

1-L A768

1-MC-G768

22 1/2

SEE SECT. A-A

SHOP SPLICE (SEE DETAIL)

SPLICE DETAIL

1-L A768

1-PL A767

1'-9 7/8

9 7/8

14 1/16

2-PL B767

AD

1-PL pa 8-7/8Ø x 2 3/4

1-PL pd 8-7/8Ø x 24

1'-0 3/4

W12 x 30

5 1/2

11 1/2

3'-6 7/8

12 1/16 (CUT 12'-6 3/8)

(BEV. CUT I.E. PREP. I.E.)

1-PL pb (GRIND TO BEAR (PL PB) (BEV. CUT I. EDGE)

11'-11 5/8

9'-10 5/8

1-L A768

1-MC-G768

pc

1-W21 5/8 x 665 x (12'-5 11/16 ON ℄) - mc (A36) (P156/3)

PREP 3/4 @ 45°

PREP 3/4 @ 45°

12

12

12

12

3 3/4

3'-8 3/4

3'-10

12'-5 1/2

1-W21 5/8 x 665 x (47'-2 1/2 ON ℄) - mb. (M.I.E, BEV. CUT & PREP.I.E.) (P156/3) (A36) (CUT 17'-2 3/4") x 29'-8

ONE - COLUMN

A1321

DW.0901

25

ONE-COLUMN-A1321'

1 - W14 x 665 x 9 5/16 - ma (A36) (PREP.I.E., B.C.2.E)
1 - 1 7/16 x 20 3/4 - mb (A36) (M.I.E, P & B.C.I.E.

4, PI 012 00 X00 3/4, X 1-9, 1/2, A752, 44W, (PI.E)
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 3- 7 1/2, D763, 44W, ... A
2, PI 010 00 X00 5/8, X 1-2 00, A764, 44W, ... A

4 L 6 X 4 X 5/16, X 2-6 00, A768, 44W, ... A
1 L 4 X 4 X 3/8, X 1-0 1/2, aa 44W, ... A
1 L 6 X 4 X 3/4, X 1-0 1/2, ab 44W, ... A
2, L 3 X 3 X 3/8, X 0-8 00, AD, 44W, ... A
2, HT BOLT 1 X 5 3/4 . , 490, ... A
2, HT WASHER 1 . . . 325, ... A

2 PL 5 x 1'-2 x 1'-6 1/2 - C753 44W
1 PL 12 1/2 x 2 x 1'-1 1/4 - pa (44W) (CUT TO FIT)
1 - PL 4 x 3/8 x 9 - pb (44W) (G.I.E. TO BEAR)(BEV. CUT I.E.)
2 - PL 12 x 7/8 x 2'-0 3/4 - pc (44W) (BEV. CUT I.E.) (P.I.E.)
1 - PL 12 1/2 x 1'-2 x 1'-1 - pd (44W) (CUT TO FIT)
2 - 9MC x 25.4 x 1'-10 - G768 (A36) (P217/2)

444

10 Ø HLS (13/16 Ø A325)

pa OR pd (CUT TO FIT)

pb (UNDER pd)

4 - 3839

PL pa

PL pd

24

2 1/2

5/16

m00

12 1/2

A753

C753

1'-1 13/16

SECTION C-C

FIELD BOLT

4 - 3/4Ø (A325F) x 2 1/2
8 - 7/8Ø (A325F) x 2 1/4
8 - ∫ x 2 1/4
26 - 1Ø (A490F) x 3
24 - x 3 3/4
24 - x 4 1/4
28 - x 4
28 - x 5
8 - ∫
138 - 1Ø (A325) WS

1'-3 5/16

GE3=1'-6

4 1/2

2'-9 5/16

1'-10 2

583=1'-3

1'-3 5/16

4 1/2

58 24

aa

5/16

5 1/2

24

5/16

45°

m00

12 1/2

AD

PC, 4 45°

A752

TYP

3/16

TYP

1"R

9 1/2

9 1/2

TYP

A767

B767

8 1/2

5 1/2

5 1/2

8 1/2

B767

SECTION A-A

(PL pa, NOT SHOWN)

13/16 Ø HOLES

5'-8 24

5/16

ab

5/16

5/16

m00

12 1/2

3/8

A753

(3)

(3)

C753

1'-1 13/16

1'-1 13/16

SECTION B-B

SHOP NOTES
MATERIAL G40.21 44W U/N
E70 SERIES ELECTRODES
REF. D1AG'S E8, E9, 9103, 9102, E118A, CW-1
9150, 9151

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 18/85 R (3)
June 7/85 E
May 27/85 R
May 8/85

FOR 1 DIA A490

ADD MILL 'X30' (X27)

R	3	DATE JULY 18/85	BY ES	SPEC	AS NOTED
E	2	DATE JUNE 6/85	BY GM	HOLES	1 3/16 D1A U/N
V	1	DATE MAY 24/85	BY EC	FINISH	NONE

MADE 27 EC | DATE 1 APR '85 | SQUAD FR
CHK'D 28 ES | DATE 2-5-85

FRANKEL STEEL LIMITED
220 ATTWELL DRIVE, UNIT 1, REXDALE, ONTARIO M9W 5B2

PROJECT: 7 WORLD TRADE CENTER | CONTRACT 84-152 | DWG. NO 1321

DETAIL: COLUMN (5TH TIER) (ZONE 2) (27)