W36 2¾ + 2/14 - 1 lbs

EL 309'-3 | EL 322'-0 (E2) | EL 334'-0 (E3)

12'-9 | 12'-0 | 4'-0 | 26'-2¾ E/E

7'-6¼ | 10'-2¾ | 22'-2¾

10'-3⅜ | 1'-7 | 5/8 | 18-1"ø×5½

4'-0 5/16 | 2'-2 15/16 | 1'-1/16 | 1-℄ 40×1×4'-0½-pc

1-℄ 12-1¾×4'-0½-pd

30-1"ø×4 W
28-1"ø×6¾ F

8-⅞ø×2½

7'-5¾ | 9 @ 3" = 2'-3 | 8 @ 3" = 2'-0

1-℄ 15¼-1¼×2'-6½-pg

1-℄ 4½-½×1'-0½-pf

SOUTH

1'-0 | 1'-0 | 4⅜ (TYP)

pb

1-L-ad

1-℄-pf | 1-℄-pg | 1-℄-pab

10'-3⅜ (ad)

3'-0

1'-3 1/16

1-℄-pd

8 @ 3" = 2'-0

6'-10¾ | 9 @ 3" = 2'-3 | 2'-7 7/16 | 1'-1/16

4'-0 5/16

9'-10⅝

8½

1-℄ 44½×1×4'-0½ -pac.

28-1"ø×8 F
30-1"ø×4½ W

SECT-C-C

5 | 3 | 2-℄-pb

2-℄ 44½-½-6-pb

4 @ 3'-0 (MG 29) = EL 321'-7½

18-1"ø×5½

pac N/S
pc F/S

pf | pg B/S | pd | pab

2-℄ 16-⅞-2'-7½-pt
1-℄ 10-½-1'-2½-pv F/S
1-FILL ℄ 8-½-1'-0-fa F/S

1-℄ 4½-½-1'-9-pm

8'-5¾ | 6 @ 3" = 1'-6 | W24-76

7-1"ø×2½

SECT-A-A

8 | ad. | pd | pg | CLIP 2¾×¾ (TYP) | pm. | 1'-0 | 1'-0 | 13 @ 3" = 3'-3

MILL

2-3 3 3 | 1'-8½ | 1'-6⅛ | ⅛ SLOT.

DETAIL OF ℄-pt

40-1"ø×5½
36-1"ø×3¾
40-1"ø×6

20-1"ø×5½

18" 11 15/16 | 3'-3 7/16 | 1'-7

7 7/16

1-℄-ph | 1-℄-pk | 1-℄-paa F/S | 1-℄-pk

24-1"ø×5

22'-3⅜ (ac, ad)

ac | ad.

1'-2 | 3 3 3 2 | 3½ | 24 ℄ | 3'-6½ | 2'-1 9/16

1/16 ℄ FOR ⅞ ℄ A325 BOLTS.

Py

4 NO WELD. TYP

1'-2 7/16

1-℄ 15-18×4'-6-pk

1-℄ 12½×1×2'-3½-paa F/S

2'-10⅝ | 3'-0¼ | 3'-5 7/16 | 3'-8⅛ | 6 15/16

1-℄ 35 3/16×1×8'-2 9/16-ph

1-L 3×3×¼-2'-5-ac

3'-6½ | 10 | 10 | 5 3 3 3 2 1/6

3'-1 15/16 | 2'-11 5/16 | × 18 SLOT.

1-L 3×3×¼ × 1'-4-ad

8 | 3 6 | 4 3 3-9 (TYP) | ac

1-L-ac | pk | pk

CLIP ¾-3¾

pad

1-℄ 14½×⅝-2'-1-py

TYP 5/16 | TYP 5/16 | 3/16 ℄ G-12 | 3/16 ℄ G-12

2'-7⅞ | 2'-10 5/16 | 3'-9½

10½ | 10½ | PS

SECT-B-B

1'-6½ | 3 3 2 | SLOT ⅛ | 1'-4⅛

8 | 3 5/8 | 3 1/4

8-1"ø×3
6-1"ø×2½
8-1"ø×3½

COL #72 (2ND LIFT)
REF E 2.3, 121 912.

24-1"ø×5¾
6-1"ø×4

MILL

76'-4¾

1-℄ 14½×⅝-2'-1-py

2-℄ 8×¼×2'-7-pad (1-N.S., 1-F.S.)

16-⅞ø×7- EXTRA WSHR

DETAIL OF ℄-PW

2-℄ 16-¾×2'-2½-pw
1-℄-PV F/S
1-FILL fa F/S.

1-℄-PS

1-℄-pw | 1-℄-pt | 1-℄ 8×¼×2'-7-pad

1-℄ 23½×1×7'-10-pp

1-℄ 7¾-8'-1'-6-px F/S

1-℄-10×⅝×3'-9⅜-ps

W23⅜×76 | 1'-0 | EL 334'-0

17'-11⅜ | 2'-2 1/16 | 1'-1 5/16 | 1'-3½ | 2'-2¼

17'-9½ | 20'-2 13/16 | 2'-0 9/16

(17'-7¼) | (14'-10 13/16) | (15'-8½) | 10 8 | 12

(1'-9) | (1'-11 5/16) | (1'-8 7/16) | (1'-10) | (1'-6 5/16)

FIELD BOLTS

8- ⅞ø A325	× 2½	40- 1"ø A490 × 5½
16- ⊥	× 7	28- ⊥ × 8
13- 1"ø A490	× 2½	493- 1"ø A325 WASHERS
8-	× 3	16- ⅞ø A325 WASHERS.
8-	× 3½	
36-	× 3¾	
42	× 4	
30	× 4½	
24-	× 5	
56-	× 5¼	
48.	× 5¾	
40	× 6	
28	× 6¾	

FOR 1"ø A490 BOLTS.

NOTES —
1. ALLCONN MAT'L G40.21 GR 44W ELECTRODES E70XX.
2. ALL 1"ø BOLTS TO HAVE 2 WASHERS

Mar 12/85 R
FEB 20/85

A114
⟨DIV 3⟩

2-℄ 12½×3×76'-2¾ (M.2E) [A588 GR 50] PG/15

ONE W 22 3/8 × 178 × 3 1/16 ω 730 × 26'-2¾ (M2E) [A572 GR 50] PG/14.

pa

24-1"ø×5¾
6-1"ø×4

MILL

⚠ COL LENGTH REDUCED ¼ TO SUIT EX COL.
⚠ MAR 7 WELD TO ℄ pt, pw, ℄ pad ADDED

REVISED		OPEN HOLES	
DATE MAR 7	BY ACS		
DATE	BY	PAINT	
DATE	BY	ERECTED BY	
DATE	BY	FIELD PAINT	
DATE	BY	INSPECTION	

7 WORLD TRADE CENTER
47 STORY OFFICE BUILDING.
TISHMAN CONSTRUCTION. CUSTOMER
EMERY ROTH & SON. PC ARCHITECT
IRWIN G. CANTOR PC. ENGINEER

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

SQUAD FR
MADE BY ACS DATE FEB 85 CHKD. BY ME DATE FEB 85
CONT. No. 84-15 SHEET 114

W24-76 = 20 × 4 × 1/2
U/L = 2820 / 0.20.25 + 69.6 × 1.3 = 90.5 + 20 = 110.5

A1 BASE COL # 5

W14-730 + 2/12-1½ WEB