78 — 81

31'-0 3/4

31'-0 1/8 O/O ON ℄

8'-10 | 8'-10 | 4'-0 | 4'-10 | 4'-6 3/4

8'-0 3/4 | 8'-0 3/4 | 9'-8 | 5'-3 1/4

(F/S)
(N/S)

R.D

8'-0 3/8 | 8'-9 1/4 | 16'-1 1/8 | 17'-7 1/4 | 21'-7 1/4 | 25'-9 1/8 | 26'-5 1/4

B — B — A — A — C — C

4@3'-1'-0 4½

WEST

1-L 3½ x 3 x 5/16 x 5½ ac(F.S.)

1-PL 4¾ x ⅜ x 1'-1⅜ pa(N.S.)

1-L 6 x 4 x ¾ x 6 LLV ab(F.S.)

1-PL pa(N.S.)

1-L ac(F.S.)

1-L ab(F.S.)

1-L ac(F.S.)

1-PL pa(N.S.)

1-L ab(F.S.)

1-L ac(F.S.)

1-L ab(F.S.)

2 L - 3 x 3 x 5/16 x 1'-2½ 500C
(G.O.S.L. = 1¾ 4 c/c)

8'-7 5/8 | 17'-5 5/8 | 21'-5 5/8 | 26'-3 5/8

3 3 3

4-⅞ x 2 | 2-⅞ x 2, 2-⅞ x 2½ | 4-⅞ x 2 | 2-⅞ x 2, 2-⅞ x 2½ | 4 ⅞ x 2 | 2-⅞ x 2, 2-⅞ x 2½

1-L 4 x 3 x 5/16 x 1'-2½ (BENT) ha (N.S.)
1-L 5 x 3 x 5/16 x 1'-2½ (→←) hb (F.S.)

A4358 2 - W 26¾ x 10 x 7/16 @ 84 x 30'-10 7/8 (A572 GR.50) (P164/14) (DIV.4501)

SECTION A-A SECTION B-B

CLIP @ 45°

3 | 2¾ | 3 | 3½ | 2⅝ | 3 3 3 3½ | 4 | ½ RET. @ TOP | 1-1¾ | 6½ (4½) | ac | pa | ab | ½ RET. @ TOP

28'-10

1'-6 | 28'-9 7/16 O/O | 5/16

(F/S) 6'-1 | 6'-0 | 1'-6 | 7'-8 | 7'-7
(N/S) 5'-4 | 9'-1¾ | 9'-1¾ | 5'-2½

R.D

5'-3¾ | 6'-0¾ | 12'-0¾ | 13'-6¾ | 14'-5½ | 21'-2¾ | 23'-7¼

1-PL-pb (N/S) | 1-PL-pc (F/S) | 1-PL-pc (F/S) | 1-PL-pc (F/S) | 1-PL-pb (N/S) | 1-PL-pc (F/S) | 1-PL-pb (N/S)

3 3 3 4½ 11'-5¼

WEST

2-L-3 x 3 x 5/16 x 1½ 400C
(G.O.S.L. = 1¾ 4 c/c)

1" R. | 6 | 5/16 | 23 | 2'-1 x ½ | SLOT IN PL-Fd ON ℄ | 1-PL 9 x ½ x 3'-11¼ - pd (A572-GR50) | 24-⅞ ϕ x 2 | CUT 1½ x 3

pd | CUT 1'-11¼ | 2'-0

SECT. G-G

2-L⁵-400C (4 c/c)

CUT 1½ x 3

B4358 ONE - W23¾ x 9 x 7/16 @ 68 x 28'-8 3/8 (DIV.4513) (A572-GR50) (164/17)

3 3 | 2¾ | 2¾ | CLIP ¾ x ¾ @ 45° | CLIP ½ x ½ @ 45° | CLIP ½ x ½ @ 45° | 3 3 3 3 | 2⅛ | 2¼ | 3 3 3 3 | PL 4¾ x ⅜ x 10 - pc | PL 4¾ x ⅜ x 1'-1½ - pb

SECTION D-D

12 | 2⅝ | hb | 2'-8 ON L | 2'-8 | 6 | ha | 8¾ x 4 CUT T. & B. FLG.

VIEW C-C

FIELD BOLTS (A325 F)
64 - H.T. BOLTS ⅞ x 2
16 - H.T. BOLTS ⅞ x 2½

MATERIAL G 40.21-44W U/N
E70 SERIES ELECTRODES
REF. DWG.'S E44/45
401, 9171, 8975

5/Nov 12/85

REVISED		OPEN HOLES	15/16
DATE ____ BY ____		PAINT	NONE
DATE ____ BY ____		ERECTED BY	
DATE ____ BY ____		FIELD PAINT	
DATE ____ BY ____		INSPECTION	

BEAMS 44TH & 45TH FLRS
7 WORLD TRADE CENTER
TISHMAN CONSTRUCTION — CUSTOMER
EMERY ROTH & SONS P.C. — ARCHITECT
IRWIN G. CANTOR P.E. — ENGINEER

FRANKEL STEEL LIMITED
DRAWN BY HUM DATE SEPT 26/85 CHECKED BY D.Z. DATE Nov 7/85
SHOP ORDER NO. 84-152 SHEET NO. 2358