TOS EL. 334'-0 (3RD FLR) (E3)

TOS EL. 348'-0 (4TH FLR) (E4)

TOS EL. 361'-7 (5TH FLR) (E5)

EL. 366'-3

2'-6 | 14'-0 | 16'-6 | 13'-7 | 30'-1 | 4'-8 | 34'-9

MILL

34'-11

1'-2

3@3=9

No WELD (TYP)

4

2/4 ϕ HLS.

3/4

1 1/2

5 1/2

TYP 9/16 5

TYP 9/16 7

pn

1/16 ϕ HLS. 78 ϕ A325 BOLTS ⚠1

W14 1/8 x 99

1/16 | 5/8

1'-3 13/16 | 1'-2 13/16

28'-10 13/16

pa | pb

TYP 1/2 | TYP 5/16

W30 x 108

(F.S. WEB)

10 1/2 | 5@3=1'-3 | 4 1/2

1'-7 7/8

4 1/16 | 3 | 3

(aa) 2'-5 3/4

1-PL 4 3/4 x 1/2 x 10 ~ pb

1-PL 10 x 1 x 1'-4 3/4 ~ pa

1/16 ϕ HLS.

1-PL-pa

SOUTH

403=1'-0

3'-5

(12 3/4)

(2'-1 7/16)

2'-5 3/8

(1'-1 9/16)

1-L3x3x1/4x8 ~ aa (F.S.)

1-L3x3x1/4x4 1/2 ab (F.S.)

1'-7 7/8

3 3/4

1'-0 9/16

1-PL-pb

1-PL-pa

2'-6

⚠1 INTERRUPT WELD 1/2 * WHERE WELD CHANGES PLANE

1-PL 7 3/4 x 1/2 x 9 1/2 ~ pf (F.S.)

1-PL 12 x 1 x 3'-9 1/4 ~ pd

1-PL-pd

1-PL-pf

1-L-aa (F.S.)

1-L-ab (F.S.)

1-PL-ph (ON ℄)

2-L 3x3x1/4 x 2'-4 1/2 ~ ac

2'-10

1'-5 1/4

3@3=9

6@3=1'-6

1'-4 5/16

(16'-9 1/4)

8 11/16 / 12

2'-1 3/16

2'-5 3/8

3 1/2 | 5 1/2 | 3 1/2

TYP 7/16

1/16 ϕ HLS.

1-PL-pd

1-PL-pf

2-L= ac

15'-7 7/8

4 1/16

(aa) 16'-5 3/4

A1

B1

B415

W27 x 178

(F.S. WEB)

28'-0 1/2

6@3=1'-6

4 1/2

29'-2 3/8

1-PL-pa

4 1/16

1-PL-pb

1-L-aa (F.S.)

1'-0 9/16

4

1-PL-pn (ON ℄)

1-PL 14 1/2 x 5/8 x 2'-1/2 ~ pn (ON ℄)

SHOP PATCH COL. A58

1'-7 3/4 (1'-6)

1-PL 10 x 5/8 x 1'-2 ~ pp (F.S.)

6-BOLTS 7/8ϕ A325 x 44 (WRENCH TIGHT)

6-7/8ϕ x 4 1/2

16-7/8ϕ x 5 1/2 + EXTRA WASH.

20-1ϕ x 4

20-1ϕ x 3 1/2

6-1ϕ x 3

56-1ϕ x 5 3/4

16-1ϕ x 4 1/2

12-7/8ϕ x 4

SECT. "8-8"

SECT. "C-C"

16'-6 EL. 348'-0

16'-5 3/4

1/4

aa

ab

14-7/8ϕ x 4

pd | ac | ph | pf | ab

TYP 1/4 2-G / 2-G

7/8

W14 1/8 x 99

1'-2 13/16

pa | pb

5 1/2

2'-6

SECT. "A-A"

3 1/2 | 5 1/2 | 3 1/2

3'-5

2'-4 3/8 CUP (TYP)

3 1/4 x 3 1/2 SLOT

aa | ab

TYP 4 ?

5'-2

FIELD BOLT SUMMARY

56 - 1ϕ A490 x 5 3/4

16 - x 4 1/2

60 - x 4

60 - x 3 1/2

6 - x 3

12 - x 2 3/4

16 - 7/8ϕ A325 x 5 3/4

6 - x 4 1/4

38 - x 4

16 - 7/8ϕ A325 WASH.

210 - 1ϕ A325 WASH.

FEB 28/85 K

FEB. 18/85

ONE - W19 5/8 x 17 x 2 3/16 @ 500 x 34'-9 (M1E) (A36) P10/12

⚠1 ALL 1ϕ BOLTS TO HAVE 2 WASHERS.

DETAIL MATERIAL: G40.21 (44W)

E70 SERIES ELECTRODES

REF. DIAGS. E3, E4, E5, E120

1ϕ A490 BOLTS ⚠1

35 A57 (3RD LIFT) (DIV. 30) ⚠2

Div. ⚠2 DATE FEB 28/85 BY JM

⚠1 DATE 2/18/85 BY ELN

REVISED		OPEN HOLES	1 3/16"
DATE ___	BY ___	PAINT	
DATE ___	BY ___	ERECTED BY	
DATE ___	BY ___	FIELD PAINT	
		INSPECTION	

7 WORLD TRADE CENTER — CUSTOMER
47 STORY OFFICE BUILDING
TISHMAN CONSTRUCTION
EMERY ROTH & SONS P.C. — ARCHITECT
IRWIN G. CANTOR P.C. — ENGINEER

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

SQUAD FR
MADE BY ELN DATE DEC '84 CHKD. BY D.I. DATE JAN 85

CONT. No. 84-15 SHEET 57