W14 x 90 SPICE 8A/10

NOTES: MATERIAL G40.21 44W U/NOTED
E70 SERIES ELECTRODES
REF DWGS C-2 E18 E18A E46, E47, 9148 9128, CW5, CW13

1-PL 10 x 5/8 x 1'-2: A764 NS
2-1" A490 x 2 3/4
2-1" A325 WSHRS
WRENCH TIGHT
1/16 HOLES

1-W763

20-1" A490 x 3
1/16 HOLES @ 5 1/2 Ga TOP & BOTT FLG: mb
13/16 HOLES @ B786

1-Laa

F (4'-3 3/16)

1-PL hb

A

1/16 HOLES

2-PL 8 B787: 2-1" A490 x 3 1/4
2-1" A325 WSHRS: BACK BOLTED
WRENCH TIGHT
8-1" A490 x 3 1/4

B

1-W23 x 178 mb
2-PL 8 B786: 4-1" A490 x 3
4-1" A325 WSHRS: BACK BOLTED
WRENCH TIGHT

(4'-10 11/16)

1-PL hb

20-1" A490 x 3
1/16 HOLES @ 5 1/2 Ga TOP & BOTTOM FLG: mb
13/16 HOLES @ B786

2-PL 8 1/2 x 1/2 x 1'-3 1/2 ~ B787
2-1" A490 x 3 1/4
2-1" A325 WSHRS
BACK BOLTED
WRENCH TIGHT
8+1" A490 x 3 1/4

8-1" A490 x 2 3/4

(4'-3 3/16)

1-W32 8 x 11/2 x 3/16 x 118 (A36) x 5'-0 7/16 ~ mb
CUT FROM G40.21 P171/25
2-PL 9 x 1/2 x 1'-11/2: B786: 4-1" A490 x 3
4-1" A325 WSHRS: BACK BOLTED
WRENCH TIGHT

10-1" A490 x 3

1/16 HOLES

1-PL 6 x 1'-8 x 10 ~ FD (N/S)

1'-8 7/8 +0 -1/16

16-1" A490 x 3 3/4 BOTH FLGS

A4100

W15 x 3/4 x 159 SPICE 8A/10

1-PL 10 x 5/8 x 1'-2: A764 NS
2-1" A490 x 2 3/4
2-1" A325 WSHRS
WRENCH TIGHT
1/16 HOLES

1-W763

20-1" A490 x 3
1/16 HOLES @ 5 1/2 Ga TOP & BOTT FLG: mb
13/16 HOLES @ B786

1-Laa

F (4'-3 3/16)

1-PL hb

A

1/16 HOLES

2-PL 8 B787: 2-1" A490 x 3 1/4
2-1" A325 WSHRS: BACK BOLTED
WRENCH TIGHT
8-1" A490 x 3 1/4

B

1-W23 x 178 mb
2-PL 8 B786: 4-1" A490 x 3
4-1" A325 WSHRS: BACK BOLTED
WRENCH TIGHT

(4'-10 11/16)

1-PL hb

20-1" A490 x 3
1/16 HOLES @ 5 1/2 Ga TOP & BOTTOM FLG: mb
13/16 HOLES @ B786

2-PL 8 1/2 x 1/2 x 1'-3 1/2 ~ B787
2-1" A490 x 3 1/4
2-1" A325 WSHRS
BACK BOLTED
WRENCH TIGHT
8+1" A490 x 3 1/4

8-1" A490 x 2 3/4

(4'-3 3/16)

1-W32 8 x 11/2 x 3/16 x 118 (A36) x 5'-0 7/16 ~ mb
CUT FROM G40.21 P171/25
2-PL 9 x 1/2 x 1'-11/2: B786: 4-1" A490 x 3
4-1" A325 WSHRS: BACK BOLTED
WRENCH TIGHT

10-1" A490 x 3

1/16 HOLES

1-PL 6 x 1'-8 x 10 ~ FD (N/S)

1'-8 7/8 +0 -1/16

16-1" A490 x 3 3/4 BOTH FLGS

A4100

W15 x 3/4 x 159 SPICE 8A/10

DRILLED HOLE

1-PL 13 x 3/4 x 2'-1 1/2 ~ W763

NO WELD

1-PL pc

1-PL pd

1-PL pm (N/S)

1-W ~ ma (OFFSET)

1-W ~ ab

1-Lab

1-PL pb

1-PL ha

1-PL pa

ha, Pa, Pb

ma

hb

aa

ab

pm

W36 x 150

W14 x 109

ONE W14 x 109 x 27'-0 M2E P179/10 (A36)

W14 x 148 x 1/2 x 18'-3 (A36)

FIN 46TH FLOOR EL 906'-6

FIN 45TH FLOOR EL 893'-9

FIN 44TH FLOOR EL 880'-0

MILL

NOTE: NOT TO SCALE

NOT TO SCALE

2-PL 13 x 1/2 x 2'-1 1/2 ~ W763

1-PL 13 x 3/4 x 2'-1 1/2 ~ W763

1-PL 13 x 1/2 x 2'-0 1/4 pc
CUT TO FIT & PREP
6-1" A490 x 3 3/4

1-PL 13 x 1/2 x 1'-0 1/2 ~ pm

L3 x 3 x 3/8 x 1'-2 ab

CLIP 3/4 x 3/4 TYP

1-PL 7 3/4 x 1/2 x 1'-4 1/2 hb BENT

L6 x 4 x 5/16 x 4 1/2 ~ aa

SECT N F-F

SECT N A-A

1-PL pc

6-1" A490 x 3 1/4

1-PL pd

1-PL 15 3/4 x 3/4 x 3'-0 9/16 pd

1" Rad

SECT N C-C

SECT N B-B

(W250 x 73 300W)
W10 x 10 x 3/8 (a) 49 x 2'-1 3/8
ma BEV CUT 1 END

1-PL 7 3/4 x 1/2 x 1'-0 7/8 hb (F/S)

CUT 5/8 x 5/8 TOP & BOTT FLG

1" Rad

BRACKET
1-PL 20 3/4 x 1/2 x 2'-0 1/2
BENT ha
1-PL 7 1/2 x 3/8 x 1'-0 1/4 pa
2-PL 3 6 3/4 x 3/8 x 7 1/2 pb

2-LOCATIONS

SECT N D-D

FIELD BOLTS		
1/16	1" A325 WSHRS	
42	1" A490	3/4
6		3/4
6		3
8		3/4
16		3 1/2

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 1" A490

Jan 3/86 R
Dec 13/85

REVISED		
DATE ___ BY ___	OPEN HOLES	13/16 U/N
DATE ___ BY ___	PAINT	NONE
DATE ___ BY ___	ERECTED BY	
DATE ___ BY ___	FIELD PAINT	
DATE Jan 3/86 BY GM	INSPECTION	

42 FTH TIER COLUMN 42
7 WORLD TRADE CENTER
TISHMAN CONSTRUCTION — CUSTOMER
EMERY ROTH & SONS PC — ARCHITECT
IRWIN G CANTOR PC — ENGINEER

FRANKEL STEEL LIMITED
220 ATTWELL DRIVE UNIT 1 REXDALE, ONTARIO M9W 5B2
SQUAD FR
MADE BY HY DATE SEPT 87 CHKD. BY GM DATE DEC 9/85
CONT. No. 84-153 SHEET 4075