W14×120
FLG 157K
WEB 38K

EL 299'-11½ (AB1) | 5'-1½ | 4'-11 | EL 305'-1 (E1) | 14'-9½ | 19'-8½ | EL 319'-10½ (E2) | 14'-1½ | 33'-10 | EL 334'-0 (E3) | 4'-0

38'-0½ 7/8

W24×62 | W17⅞×40(C) | W24×55

4-⅞ø×2½ | 4-⅞ø×2½ | 4-⅞ø×2½

1-℄ 6½-⅜×1'-0-ha
1-℄ 6¼-⅜×1'-0-hb
1-℄ 7¼-⅜×1'-0-hc
1-℄ 7-⅜×1'-0-hd
1-℄ 7¼-⅜×1'-0-hf
1-℄ 7-⅜×1'-0-hg

NORTH | 1-℄ 16×1×1'-4-ph | ma | TYP | pm | PP | 1-℄ 14×1×1'-4-pk | 1-℄-pk | px | pw | paa | pac | FOR ⅞ø A325 BOLTS | NO WELD

3'-6 PREP FLGS

PP TYP | 4-1⅛×4½ | 24-1⅛×3½ | 6-1⅛×2¾ | 24-1⅛×4

4'-7½ | 4'-0 | 2'-1⅞ | 1'-8⅞ | 4'-8⅞ UNO | 1'-6⅝

1-C 10·28⅝·½·15·3 × 1'-1¾-mc | 1-℄ 12·2⅝ × 1'-7½-pm | 1-℄ 4½·2⅝·10-PP | 1-℄-pm | 1-L 3×3×⅜ × 6-ab F/S | 1-W 20⅜·178·28⅝·605 (MATL A36) × 4'-0-ma | 1-℄ 4½·⅞·8-pc | 1-℄ 21·2¾·2'-1-pb (MILL TO 2½ THICK) (MATL A36) | 1-℄ 20⅜·178·28⅝·605 (MATL A36) × 4'-9-mb | 1-℄-pp | 1-℄-pm | 1-L 3×3×⅜ × 8-aa F/S | 1-C-mc | 1-℄ 17·1½·3'-6⅛-pf | 1-℄ 20 15/16·¾·3'-0-pg (SEE DETAIL) | 1-℄ 17×½×4'-5 5/16-pd

32-1⅛×7 | 9-1⅛×4½ | 32-1⅛×7½

1'-5 11/16 | 1'-8 15/16 | W20¾×550 | FILL | mb | pd | pg | pf | 1-℄-pf (NOT CONNECTED TO COL FLG) | 3'-6 PREP FLGS | MILL

1'-8 15/16 | 10⅛ | 2'-4 7/16 | 3'-4 | 2'-1⅞ | 10¼ | 1'-3 13/16 | DETAIL 'E'-pg

mc | 1'RAT HOLE. | ma, mb | 1'RATHOLE | SECT~C-C

1-1 | 1-1 | 12 TYP | 6 | pc | pa | 1'-0½ | 10½ | 10½ | SECT~A-A.

pa | 1'-0 | 24 RAD | 6¼ | 6¼ | mb | pg | pd | 3'-5½ | 2'-6 11/16 | 7@3=1'-9 | SECT~A-A.

mb | 6¼ | 6¼ | 3'-5½ TO ℄ COL | 1'-7/16 | 11½ | RAD 2¼ | CLIP ¾×¾ (TYP) | pf | 7@3=1'-9 | SECT~B-B.

1'-1½ | ab | ⅝ RET TO TOP | aa | pk | hc | hd | 1'-5 11/16 | 1'-8 15/16 | W20¾×550 | ⅝ FILL | mb | pg | pd | 1'-6 13/16 | 4'-8 | 4'-10½ | SECT~D-D.

GRIND CORNER ¾×¾ (TYP) | ph | ⅝ RET TO TOP | ha | pa | hb | SECT~G-G.

pm | PP | pa

SHOP TO MATCH TO A27

1-L-ad | pw (TOP) px (BTM) | 1-L 3×3⅜ × 1'-11⅜-ad | 1'-1½ | 1⅛ SLOT FOR px | 5@3=1'-3½ | 3'-1¾ | (2'-2 7/16) | 1'-1 1/16 | 2'-7½ | 3'-3¾ | (2'-4 9/16) | 1⅛×2'-1 1/16 | SLOT | 1-L 3×3⅜ × 2'-1¾-ac | CLIP 2¾×2¾ (TYP) | ab | pk | aa | hf | hg | ⅝ RET TO TOP | ⅝ 3-9 ac ad | pt | SECT~F-F.

ac, ad. | paa | pab | px | pt | ac ad | 1'-3 9/16 | SECT~H-H

pab | pt | pt | pad. | 1'-2 | 38'-0 | 3@3 | 1½ | 4'-3 | 4'-3 | SLOT 5½ | NO WELD | 3/16 3. MILL | 5/16 7.

30'-0 7/16 | 1'-10½ | 3'-2 9/16 | 3'-10 5/16 | 1'-4 3/16 | 32'-6 7/16 | 10-1⅛×4¾ | 37'-6 7/16 | 1'-4 3/16 | 18-1⅛×5¾ | 48-1⅛×4¼ | 12-1⅛×3½ | 48-1⅛×4¾ | W15½-193

1-℄ 17×⅛×3'-7 9/16-px (SLOTTED) | 1-℄ 23 13/16·1×4'-5⅛-paa (SLOTTED) | 1-℄ 17·1⅛·3'-7 9/16-pw | 1-℄-pv F/S | 1-℄ 17×1⅛×3'-9 9/16-pt | 1-℄-pt | 1-℄ 25 13/16·1×7'-9-pab | 1-℄ 10×¾×10½-pv F/S | 1-℄ 14½·⅝·2'-1-pac | 1-℄ 14½·⅝·2'-1-pad | 1-℄-ad F/S | 1-℄ 10·⅝·1'-2-ps F/S | 6-⅞ø A325×8 (WRENCH TIGHT) | 6-⅞ø×8 | 16-⅞ø×7 | 37'-5 W ℄ pa | 33'-10 3/8 | 33'-9 3/8 | 2'-11 | 2'-2 7/8 | (1'-3 1/16) | 8⅜ | (17'-2½) | 12 | 1'-3 7/16 | 10⅜ | 2'-4 3/8 | (1'-5 9/16) | 8⅜ | (17'-1 5/16) | 12 | 1'-2 | 2'-1 | 3'-4 15/16 | 6 9/16 | 7½.

2-℄ 12½×1½ × 37'-10 ~ pa (M2E) (1-N.S, 1-F.S) [MATL A572 GR50]

W 22⅜ × 17⅞ × 3/16 × 730 × 37'-10 ~ (M2E) [MATL A572 GR 50]

A36 (DIV 22)

SEE FB4 FOR F/WORK ⚠1 AT BASE ℄

FIELD BOLTS

6-	⅞ø A325	× 8	
12-	⅞ø A325	× 2½	
16-	⅞ø A325	× 7	
6-	1⅛ø A490	× 2¾	
20-		× 3¼	
56-		× 4	
40-		× 4½	
25-	1⅛ø A490	× 4¾	
8-		× 5¾	
32		× 6½	
16 ~		× 7	
32 ~		× 7½.	

235 - 1⅛ WASHER (A325)

NOTES —
CONN MATERIAL ~ G40.21 - 44W U/N.
ELECTRODES ~ E70XX.
ALL 1⅛ø BOLTS TO HAVE 2 WASHERS.

⚠1 COLUMN 12 (1ST LIFT) REF DIAGS E1, 23, 20, 916, 930

FOR 1⅛ø A490 BOLTS.

FEB. 18/85

REVISED			
DATE May 1	BY JM	OPEN HOLES	3/16 U/N
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 DEC'84 CHKD. BY MK DATE [illegible]

CONT. No. 84-15 SHEET 36