1/16 Φ HOLES IN ma

13/16 Φ HOLES IN PL B786

4'-11 | 5'-2 5/16 | 3 3 8 | 3 3 | 4'-1 | 4'-4 5/16 | 3 3 4

14

pb

4½ 4½ 5½

TOP & BOTT FLG

1-PL B786 & 2-1Φ A490 × 3
2-1Φ A325 WASHERS
WRENCH TIGHT: SHIP
BACK BOLTED: TOP
& BOTTOM FLANGE

⟨3'-5 13/16⟩ | ⟨3'-9⅞⟩

pa 4151

TOP & BOTT FLANGE 5/16

1-PL pa 4151 N/S
pb F/S

TOP & BOTT FLANGE 5/16

EL 921'-4 ⟨ROOF⟩

10'-7½ 8½

4@3'-1 0 4½

2-PL S B787 1/16 Φ HOLES
2-1Φ A490 × 3¼
2-1Φ A325 WSHRS
BACK BOLTED B786
WRENCH TIGHT

5/16 15 | 5/16 15 | 5/16 15 | 5/16 15

1-A768

1½ | 1½

⟨4'-1 5/16⟩ | ⟨4'-4⅝⟩

1-W30 @ 99 × 4'-9 5/16 ma 5
1/16 Φ HOLES CUT A742 P171/17

4'-8½ | 4'-11 13/16

8-1Φ × 3¼ WEB
20-1Φ × 3 FLANGE

7±

A | A

1-A739
2-B739
2-C739

1-A768

NORTH

9/16 | ⅞

1'-2⅜

1-PL fa 4151 | 1-PL fa 4151

2 3

MILL

1-FILL fb N/S

1/16 Φ HOLES

⅜ 2/2

4 3/16 | 3 3

10-1Φ × 3

1'-2 5/8 | A4015

+0 -1/16

TYP-A768 | 1'-1¼ | 1'-1¼

BOTH FLGS 5/16 | BOTH FLGS 5/16

EL 906'-6 FIN 47TH FLOOR ⟨14'-10 REF⟩ 11'-4 3'-6

SECTN A-A

W29⅝ × 10½ × ½ @ 99 × 4'-6⅝ mb
CUT WITH ma 1464 P171/17
CUT A742

1/16 Φ HOLES

4 | 2⅝

15/16 × 15/16 SLOTS

BOTH FLGS 5/16

pa 4151

CLIP @ 45°

6¾ | 6¼ | 13/16 | 1/2 | 4'-4 | 12

6½ | 6¾

5/16 BOTH FLGS

1-PL pb 2-⅞Φ × 2½

EL 920'-7½

pa 4151

C | C

Wmb NOT SHOWN FOR CLARITY

10'-7⅝

W13¾ × 22

8

9'-5¾

1-A761
2-⅞Φ × 2½

3'-4½

1'-2⅜ | 7'-3

B | B

1'-10 | 6'-0⅜

3/16 Φ

3

SLOTS 7/8 × 2

4'-2⅜

16-1Φ × 3½

fa 4151

⅛ ⅛ 1/2 1/2

3½ 3 3 3

1/16 Φ HOLES

A:B:C739

5½ | 7¼ | 9 | BOTH FLGS

3 4½ | 8½ | 1'-1 | 11 | 5½ | 4½ 3 | 8½

1" Rad.

½ BOTH FLGS

3/8 ½ BOTH FLGS

SECTN B-B

EL 920'-7½ | 4@3'-1 0 4½ | 10'-7½

W14⅜ × 14⅝ × ½ @ 109 ⟨A36⟩ × 10'-8¾ MIE P180115

ONE

A4156

DIV 4817

ma

5/16 BOTH FLGS

6¼

13/16

12

4'-4

mb

4⅞ | 6¾

A761 15/16 Φ HOLES

SECTN C-C

SHOP NOTES
MATERIAL G40-21 44W U/N
E70 SERIES ELECTRODES
REF DWGS: E118 E118A
9131 GW14 E48

FIELD BOLTS
54 - 1Φ A325 WSHRS
30 - 1Φ A490 × 3
8 - 1Φ A490 × 3¼
16 - 1Φ A490 × 3½

4 - ⅞Φ A325 × 2½

DIM'S SHOWN IN BRACKETS ARE BASED ON ACCURATE COL SIZES.

SHOP SCRIBE VISIBLE C/L ON BOTH FLGS & B/S WEB TOP & BOTT.

BILL OF MATERIAL

LINE	CCOSDTE	COMMX SHIP DIVN.	PIECE MARKS MAIN MAT'L.	PIECE MARKS DETAIL MAT'L.	NO. OF PIECES	MATERIAL DESCRIPTION PL	WIDTH Inch	WIDTH 16th	X PLATE ONLY	THK. In.	THK. 16th	GRADE CODE	DSGR	FINISHED LENGTH Feet	FINISHED LENGTH In.	FINISHED LENGTH 16th	PAGE	LINE	REMARKS
01					ROOT														
02																			
03				MA	1				W30×99			A36		4	3 5	171	17		CUT A742
04				MB	1				±			±		4	6 10	171	17		CUT ±
05																			
06				A768	2				L6×4×5/16			44W		2	6 0				
07																			
08				A739	1	PL	16	4	×		0	44W		2	4 0				ESENT
09				B739	2	PL	06	8	×		0			0	8 12				
10				C739	2	PL	06	8	×		0	±		1	8 4				
11																			
12				B786	2	PL	30	0	×		0	44W		1	11 0				
13				B787	2	PL	30	0	×		0	±		1	9 8				
14																			
15					4		HT BOLT 1 × 3					A490							
16					2		HT BOLT 1 × 3¼					±							
17																			
18					6		HT WASHER 1					A325							
19																			
20				PA4151	1	PL	30	0	×		0	44W		1	0 8				
21				PB	1	PL	30	0	×		0	44W		1	0 8				
22																			
23				A761	1		L 8×6×3/4					44W		1	0 8				
24																			
25																			
26			TOTAL									TOTAL					1	OF	12
01				PA4151	2	PL	12	8	×		0	44W		1	0 8				
02				PB	1	PL	60	8	×		0	±		0	9 8				
03																			
04																			
05																			
06																			
07																			
08																			
09																			
10																			
11					1			1/2						1	6 0				
12					1			3/16						19	0 0				
13					1			5/16						0	0 0				
14					1			5/16						0	0 0				
15					1			1/2						1	6 8				
16																			
17		4817	A4156		1				W14×109			A36		10	8 12	180	15	MIE	
18																			
19																			
20																			
21																			
22																			
23																			
24																			
25																			
26			TOTAL		55							TOTAL		63					

Jan 7/86
2 OF 12

REV.			
1	DATE	BY	
2	DATE	BY	
3	DATE	BY	

SPEC. AS NOTED
HOLES 13/16 Φ U/NOTED
FINISH NONE

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

MADE 27	CHK'D. 28	DATE	SQUAD
JIM	GM	9/12 DEC 12/85	F.R.

PROJECT: 7 WORLD TRADE CENTER
DETAIL: ROOF COLUMN ZONE 4
CONTRACT 84-159
DWG.No. 4156