W29⅝×10½×½ω99 × 4'-5½ ma
CUT A742 P171/17

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

TOP & BOTT FLANGE

1-℄pa 4151 N/S
pb F/S

2-℄S B787 1⊕/16 HOLES
2-1⊕A490×3¼
2-1⊕A325 WSHRS
BACK BOLTED WRENCH TIGHT

1-W30ω99 × 4'-5½ ma
CUT A742 P171/17

8-1⊕×¾ WEB
20-1⊕×3 FLANGE

pc:pd:pf F/S

1-A739
2-B739
2-C739

1-A768

NORTH

1-℄fa 4151

MILL

10-1⊕×2¾
A4011

TYP-A768

BOTH FLGS

SECTN A-A

BOTH FLGS
CLIP 3×4×45°

1-℄pb:2-7⊕×3

1-℄pc 2-7⊕×3

W35½×135

GRIND TO BEAR

1-℄pf

1-℄pd

16-1⊕×3¼

fa 4151

A:B:C739

1" Rad.

SECTN B-B

ma

BOTH FLGS
pc ⊕13/16 HOLES

SECTN C-C

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

FIELD BOLTS
54 - 1⊕ A325 WSHRS
20 - 1⊕ A490 × 3
24 - 1⊕ A490 × 3¼
10 - 1⊕ A490 × 2¾

4 - 7⊕ A325 × 3

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

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

EL 921'-4 (ROOF)
EL 920'-7½
EL 906'-6 FIN 47TH FLOOR
(14'-10 REF) 11'-4
5'-6
(A36) × 10'-8¾ MIE P180/9
ONE W14 × 14½ × 7/16 ω 90
A4152 DIN 4817

BILL OF MATERIAL

LINE	CCOSTE	COMMX SHIP DIVN.	PIECE MARKS MAIN MAT'L.	PIECE MARKS DETAIL MAT'L.	NO. OF PIECES	MATERIAL DESCRIPTION WIDTH PL	WIDTH Inch	WIDTH 16th	X PLATE ONLY	THK. In.	THK. 16th	GRADE CODE	DSOR	FINISHED LENGTH Feet	FINISHED LENGTH In.	FINISHED LENGTH 16th	PAGE	LINE	REMARKS
01					FOOT														
02																			
03				MA	2				W30×99			A36		4	5	8	17	17	CUT A742
04																			
05																			
06				A768	2				L6×4×5/16			44W		2	6	0			
07																			
08				A739	1	PL	19	4	×		0	8	44W	2	4	0			BENT
09				B739	2	L	6	0	×		0	8		0	6	12			
10				C739	2	L	6	0	×		0	6	±	1	0	4			
11																			
12				B786	2	PL	9	0	×		0	8	44W	1	1	8			
13				B787	2	PL	8	0	×		0	8	±	1	0	8			
14																			
15					4		HT BOLT 1×3						490						
16					2		HT BOLT 1×3¼						±						
17																			
18					6		HT WASHER 1						325						
19																			
20				PA4151	1	PL	8	0	×		0	8	44W	1	0	8			
21				PB	1	PL	8	0	×		0	8	±	1	0	0			
22																			
23				PC	1	PL	8	0	×		0	12	44W	1	0	0			
24				PD	1	L	4	0	×		0	8	±	2	0	0			GRIND TO PFE
25				PF	1	L	6	0	×		0	8		1	0	0			
26			TOTAL									TOTAL					1 OF 2		
01				PA4151	2	PL	12	0	×		0	2	44W		1	0	8		
02																			
03																			
04																			
05																			
06																			
07																			
08																			
09																			
10					1	FF	1½	0							1	0	0		
11					1	FF	1¼	0							1	0	0		
12					1	FF	3/16								0	0	3		
13					1	FF	5/16								0	0	5		
14					1	FF	5/16								0	0	5		
15					1	FF	1/2								1	0	0		
16																			
17																			
18	4817	A4152			1				W14×90			A36		10	8	12	180	9	MIE
19																			
20																			
21																			
22																			
23																			
24																			
25																			
26			TOTAL		40							TOTAL		66			2 OF 2		

Ja. 7/86

REV.			
1	DATE	BY	
2	DATE	BY	
3	DATE	BY	

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

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

MADE 27 JIM DATE 9/10 SQUAD F R
CHK'D. 28 GM DATE DEC 11/85

PROJECT: 7 WORLD TRADE CENTER
DETAIL: ROOF COLUMN ZONE 4

CONTRACT 84-153
DWG.No. 4152