W29⅝×10½×½ω99 × 4'-3½ mb
CUT WITH ma4162 P171/18
CUT B746

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

TOP & BOTT FLANGE

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

2-PL⅝ B787 1 1/16¢ HOLES
2-1¢ A490×3¼
2-1¢ A325 WSHRS
BACK BOLTED
WRENCH TIGHT

B786

1-A761 F/S

1-A768

1-Wmb

1-W30ω99 × 4'-3½ mb
CUT A742 P171/17

8-1¢×¾ WEB
20-1¢×3 FLANGE

1-A739
2-B739
2-C739

NORTH

1-PL fa 4151

10-1¢×2¾
A4017

TYP-A768

BOTH FLGS

SECTN A-A

1 1/16¢ HOLES

Wmb NOT SHOWN FOR CLARITY

1-A761
2-⅞¢×2½

W13¾×22

9'-5¾

16-1¢×3¼

A:B:C739

1" Rad.

SECTN B-B

SECTN C-C

EL 921'-4 (ROOF)
EL 920'-7½
EL 906'-6 FIN 47TH FLOOR
(14'-10 REF)
11'-4
3'-6
MILL

ONE W14 ×14½×7/16 ω 90 (A36) × 10'-8¾ MIE P180/9
A4153 DIV 4816

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 - ⅞¢ 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	COOSTE	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	DSORI	FINISHED LENGTH Feet	FINISHED LENGTH In.	FINISHED LENGTH 16th	PAGE	LINE	REMARKS
01					FOO1														
02																			
03				MA	1				W30×99			A36		4	3	8	171	17	CUT A742
04				MB	1				I			I		4	3	8	171	18	CUT B746
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	8	6	×		0	8	I	0	8	12			
10				C739	2	L	8	6	×		0	8	I	0	8	4			
11																			
12				B786	2	PL	30	8	×		0	8	44W	1	11	0			
13				B787	2	PL	30	8	×		0	8	I	1	3	8			
14																			
15					4				HT BOLT 1×3				490						
16					2				HT BOLT 1×3¼				I						
17																			
18					6				HT WASHER 1				325						
19																			
20				PA4151	1	PL	8	8	×		0	8	44W	1	0	8			
21				PB	1	PL	8	0	×		0	6	I	1	0	8			
22																			
23				A761	1				L8×6×¾				44W	1	0	8			
24																			
25				PA4151	2	PL	12	8	×		0	2	44W	1	0	8			
26				TOTAL					TOTAL										1 OF 12

LINE	COOSTE	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	DSORI	FINISHED LENGTH Feet	FINISHED LENGTH In.	FINISHED LENGTH 16th	PAGE	LINE	REMARKS
01																			
02																			
03																			
04																			
05																			
06																			
07																			
08																			
09																			
10					1	PL		1/8						1	0	0			
11					1	PL		1/4						1½	0	0			
12					1	PL		3/16						13	0	0			
13					1	PL		5/16						10	0	0			
14					1	PL		3/8						0	6	0			
15					1	PL		1/2						1	9	0			
16																			
17		4816	A4153		1				W14×90			A36		10	8	12	180	9	MIE
18																			
19																			
20																			
21																			
22																			
23																			
24																			
25																			
26				TOTAL	38				TOTAL					660					2 OF 2

Jan 7/86

REV.			
1	DATE	BY	
2	DATE	BY	
3	DATE	BY	

SPEC AS NOTED
HOLES 13/16¢ U/NOTED
FINISH NONE

MADE 27 JIM DATE 9/12 SQUAD F R
CHK'D. 28 GM DATE DEC 11/85

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

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

CONTRACT 84-159
DWG.No. 4153