W29 5/8 × 10 1/2 × 1/2 ω 99 × 4'-3 5/16 ma
CUT A742 P171/17

1-W30ω99 × 4'-3 5/16 ma
CUT A742 P171/17

8-1φ × 3/4 WEB
20-1φ × 3 FLANGE

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

2-PL B787 1 1/16φ HOLES
2-1φ A490 × 3 1/4
2-1φ A325 WSHRS
BACK BOLTED
WRENCH TIGHT

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

A760 F/S

1-PL pb 2-7/8φ × 2 3/4

1-A760
2-7/8φ × 2 3/4

1-W ma

W ma NOT SHOWN FOR CLARITY

1-A768

1-A739
2-B739
2-C739

SLOTS 7/8 × 2

16-1φ × 3/2
fa 4151

1-PL fa 4151

1-PL fb N/S

10-1φ × 3

A:B:C739

TYP-A768

SECT^N A-A

SECT^N B-B

SECT^N C-C

EL 921'-4 (ROOF)
EL 920'-7 1/2
EL 910'-6 FIN 47TH FLOOR
(14'-10 REF)
11'-4
10'-7 1/2
3'-6
MILL

W21 8 × 68
W14 3/8 × 148 5/8 × 1/2 ω 109 (A36) × 10'-8 3/4 MIE P180/15

A4165 DIV 4807

SHOP NOTES
MATERIAL G40-21 44W U/N
E70 SERIES ELECTRODES
REF DWGS: E118 E118A
9129 CW14 E48

FIELD BOLTS
108 - 1φ A325 WSHRS
60 - 1φ A490 × 3
16 - 1φ A490 × 3 1/4
32 - 1φ A490 × 3 1/2

8 - 7/8φ A325 × 2 3/4

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	CC CODE	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					FOOD														
02																			
03				MA ME	4				W30×99			A36		4	3	5	171	17	CUT A742
04																			
05																			
06				A768	4				L6×4×5/16			44W		2	6	0			
07																			
08				A739	1	PL	19	4	×		8	44W		2	4	0			BENT
09				B739	4	PL	6	8	×		8	44W		0	8	12			
10				C739	4	L	6	8	×		6	L		1	0	4			
11																			
12				B786	2	PL	24	0	×		8	44W		1	11	8			
13				B787	2	PL	24	0	×		8	L		1	3	8			
14																			
15					4				HT BOLT 1×3			490							
16					4				HT BOLT 1×3 1/4			L							
17																			
18					12				HT WASHER 1			325							
19																			
20				PA 4151	2	PL	24	0	×		8	44W		1	0	8			
21				PB	2	PL	24	0	×		4	L		1	0	8			
22																			
23				FA 4151	4	PL	13	8	×		8	44W		1	0	8			
24				FB	2	PL	6	8	×		8	L		0	9	8			
25																			
26				TOTAL					TOTAL								1	OF 2	
01				A760	2				L 8×6×3/4			44W		1	0	8			
02																			
03																			
04																			
05																			
06																			
07																			
08																			
09																			
10																			
11																			
12					2	IF	3/16							13	0	0			
13					2	IF	5/16							21	0	0			
14					2	IF	3/8							0	6	0			
15					2	IF	1/2							1	8	0			
16																			
17					2	IF	1/8							1	6	0			
18																			
19	4807	A4165			2				W14×109			A36		10	8	12	180	15	MIE
20																			
21																			
22																			
23																			
24																			
25																			
26				TOTAL	76				TOTAL			61					Jan 8/86 2	OF 2	

REV.			
1	DATE	BY	
2	DATE	BY	
3	DATE	BY	

SPEC AS NOTED
HOLES 1 1/16φ U/NOTED
FINISH NONE

MADE 27 JIM DATE 9/12
CHK'D 28 GM DATE DEC 16/85
SQUAD F R

FRANKEL STEEL LIMITED
220 ATTWELL DRIVE, UNIT 1, REXDALE, ONTARIO M9W 6B2

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

CONTRACT 84-159
DWG.No. 4165