SHOP NOTES
MATERIAL G40-21 44W U/N
E70 SERIES ELECTRODES
REF DWGS: E118 E118A
9129 9131 GW14 E48

FIELD BOLTS
62 - 1ϕ A325 WSHRS
30 - 1ϕ A490 × 3
8 - 1ϕ A490 × 3¼
16 - 1ϕ A490 × 2½
8 - 1ϕ A490 × 2½

4 78ϕ A325 × 2¾

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

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

W29⅝×10½×½ ω 99 × 4'-6⅝ mb
CUT WITH ma 1454 P171/17
CUT A742

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

1-W30 ω 99 × 4'-3⅝ ma
CUT A742 P171/17

8-1ϕ × 3¼ WEB
20-1ϕ × 3 FLANGE

2-PL S B787
2-1ϕ A490 × 3¼
2-1ϕ A325 WSHRS
BACK BOLTED
WRENCH TIGHT

1-W30 ω 99 × 10'-8¾ (A36) × 10'-8¾ MIE P180/15

1-W14⅜ × 14⅝ × ½ ω 109 (A36) ONE

1-PL B761
2-78ϕ × 2¾

Wmb NOT SHOWN FOR CLARITY

16-1ϕ × 3½

SECT N A-A

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	DSGN	FINISHED LENGTH Feet	FINISHED LENGTH In.	FINISHED LENGTH 16th	PAGE	LINE	REMARKS
01					FOO1														
02				MA	1				W30×99			A36		4	3	5	171	17	CUT A742
03				MB	1				L					4	6	5	171	17	L
04																			
05				FB	1	PL	6	0	×		0	2		44W		0	9	9	
06				FA4151	1	PL	5	0	×		0	2		44W		1	0	8	
07				PB	1	PL	2	4	×		0	6				1	0	8	
08				FA4151	2	PL	12	8	×		0	2		L		1	0	8	
09																			
10				B761	1				L 8 × 6 × ¾					44W		1	0	8	
11				H768	2				L 4 × 3 × ⅜					L		1	3	8	
12																			
13				B786	2	PL	5	0	×		0	8		44W		1	1	8	
14				B787	2	PL	8	8	×		0	8		L		1	3	8	
15					62		HT WASHER 1							325					
16					4		HT BOLT 1 × 3							490					
17					2		HT BOLT 1 × 3¼							L					
18																			
19					1	IF	⅛									1	0	0	
20					1	IF	5/16									4	0	0	
21					1	IF	5/16									20	0	0	
22																			
23																			
24																			
25	4817	A4160			1				W14×109			A36		10	8	12	8015	MIE	
26			TOTAL		31				TOTAL					50			1 OF 1		

REV.				
1	DATE	BY	SPEC.	AS NOTED
2	DATE	BY	HOLES	1⅛ϕ U/NOTED
3	DATE	BY	FINISH	NONE

MADE 27 JIM DATE 13/12 SQUAD F R
CHK'D 28 GM DATE DEC 7/85

Jan 8/86

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. 4160