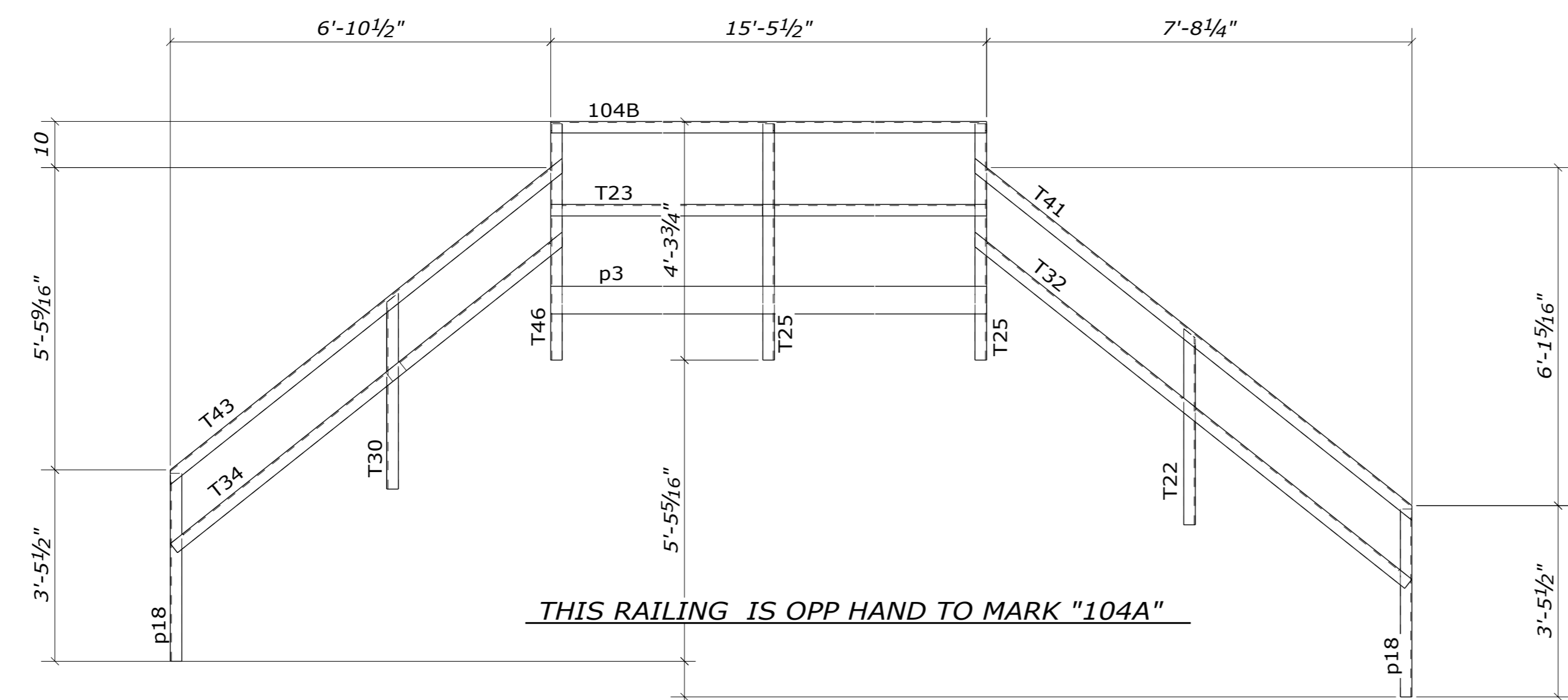


2 TopRail(s) MARK: 104A
 >>> CARBO-ZINC 11 PER SPEC'S <<<



THIS RAILING IS OPP HAND TO MARK "104A"

2 TopRail(s) MARK: 104B
 >>> CARBO-ZINC 11 PER SPEC'S <<<

BILL OF MATERIAL									
ABM MARK	SHIPPING MARK	ASSY MARK	NO. REQ'D	DESCRIPTION	LENGTH	GRADE	WEIGHT	REMARKS	
	104A		2	TopRail					
	104A		2	L2-1/2X2-1/2X1/4	15'-5 1/2"	A36	125		
	T22		2	L2-1/2X2-1/2X1/4	3'-6 1/2"	A36	29	M1E	
	T23		2	L2-1/2X2-1/2X1/4	15'-5 1/2"	A36	125		
	T25		2	L2-1/2X2-1/2X1/4	4'-3 1/4"	A36	35		
	T30		2	L2-1/2X2-1/2X1/4	3'-6 1/2"	A36	29	M1E	
	T33		2	L2-1/2X2-1/2X1/4	10'-1 1/16"	A36	82	M1E	
	T39		2	L2-1/2X2-1/2X1/4	9'-0 9/16"	A36	73	M1E	
	T42		2	L2-1/2X2-1/2X1/4	10'-3"	A36	83	M2E	
	T44		2	L2-1/2X2-1/2X1/4	9'-2 9/16"	A36	75	M2E	
	T46		4	L2-1/2X2-1/2X1/4	4'-3 1/4"	A36	69		
	p3		2	PL1/4X6	15'-5 1/2"	A36	157		
	p18		4	L2-1/2X2-1/2X1/4	3'-4 3/4"	A36	55		
	104B		2	TopRail					
	104B		2	L2-1/2X2-1/2X1/4	15'-5 1/2"	A36	125		
	T22		2	L2-1/2X2-1/2X1/4	3'-6 1/2"	A36	29	M1E	
	T23		2	L2-1/2X2-1/2X1/4	15'-5 1/2"	A36	125		
	T25		4	L2-1/2X2-1/2X1/4	4'-3 1/4"	A36	69		
	T30		2	L2-1/2X2-1/2X1/4	3'-6 9/16"	A36	29	M1E	
	T32		2	L2-1/2X2-1/2X1/4	10'-1 1/16"	A36	82	M1E	
	T34		2	L2-1/2X2-1/2X1/4	9'-0 9/16"	A36	73	M1E	
	T41		2	L2-1/2X2-1/2X1/4	10'-3"	A36	83	M2E	
	T43		2	L2-1/2X2-1/2X1/4	9'-2 9/16"	A36	75	M2E	
	T46		2	L2-1/2X2-1/2X1/4	4'-3 1/4"	A36	35		
	p3		2	PL1/4X6	15'-5 1/2"	A36	157		
	p18		4	L2-1/2X2-1/2X1/4	3'-4 3/4"	A36	55		
							TOTAL =	1872	

DRAWING NOTES:
 ALL PARTS ON THIS DRAWINGS ARE SHOP INSTALLED TO MARK 103A.

7-25-11	ISSUED FOR FABRICATION			
7-20-08	ISSUED FOR APPROVAL			
MATERIAL: A36 U.O.N.	HOLE SIZE: NOTED	BOLT GRADE: A325 U.O.N.	MINIMUM WELD: 3/16	ELECTRODE: E70xx
FABRICATORS LOGO		The man, Inc. jack@paljack.com Phone 760 295-1860 Fax 760 269-3135 Professional Steel Detailing & Consulting		
ARCH:	JOB NAME & LOCATION:			
ENGR: Alaska Anvil, Inc.	MAPCO ALASKA PETROLEUM North Pole Refinery Flints Hills Resource			
CONTR:				
REF:	JOB: 80701			
DRAWN BY: TMI	07/18/2008	CHECKED BY: JP	7-20-08	SHEET:
SHEET TITLE: CROSS OVER STAIR RAILINGS				104
MODIFIED DATE: 12/12/2011 LAST PLOT DATE: 00/00/0000 CAD FILENAME: WEBMODEL				