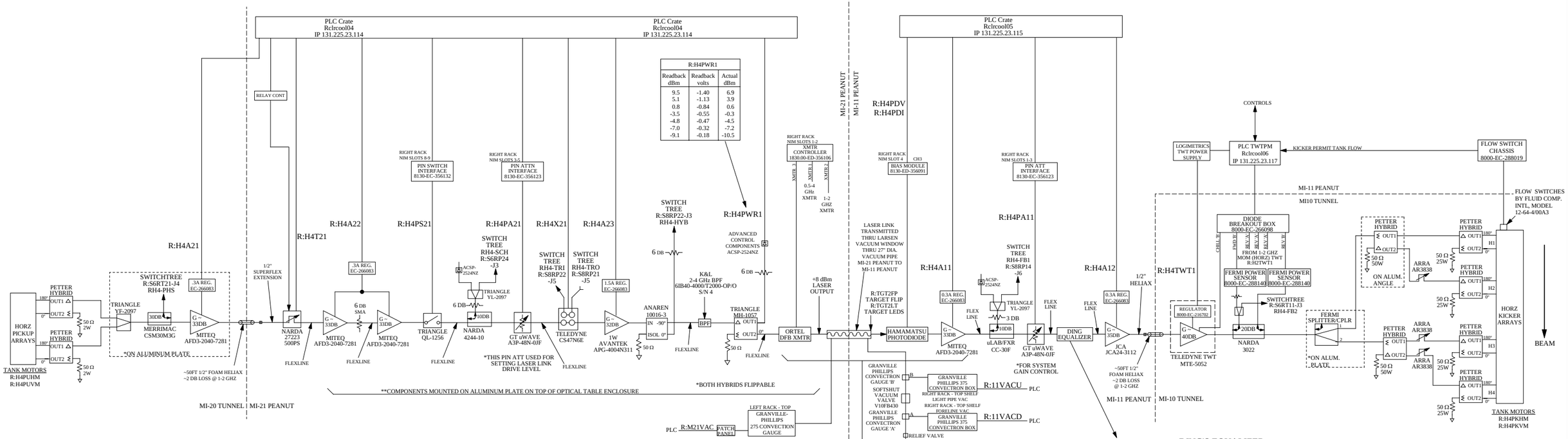
REV.	DESCRIPTION	DRAWN / APPD.	DATE
A	VACUUM CHANGES, RTD ADDITIONS, TEMP CONTROLLER ADDITIONS	W. MUELLER	5/11/05
B	REMOVED 1.745 GHz DING NOTCH FILTER	W. MUELLER	2/1/06
C	ADDED SWITCH MUX SIGNAL ON 90° HYBRID - RH4-SIG	W. MUELLER	2/17/06
D	MOVED COUPLERS & CHANGED TO GT MICROWAVE PIN ATTENUATORS	W. MUELLER	9/6/07
E	ADDED AMP R:H4A12 AND DING EQUALIZER IN MI-11	W. MUELLER	10/11/07

2 -4 GHZ RECYCLER COOLING HORIZONTAL BETATRON



NOTES:

1) ALL PADS ARE TYPE SMA BY MIDWEST MICROWAVE, MODEL 444 OR 291 UNLESS NOTED OTHERWISE
2)

ITEM NO.	PART NO.	DESCRIPTION OR SIZE	QTY. REQ.
		PARTS LIST	

UNLESS OTHERWISE SPECIFIED			ORIGINATOR	R. J. PASQUINELLI	
FRACTIONS	DECIMALS	ANGLES	DRAWN	WES MUELLER	9/3/99
+/-	+/-	+/-	CHECKED		
1. BREAK ALL SHARP EDGES 1/64 MAX.			APPROVED		
2. DO NOT SCALE DRAWING			USED ON		
3. DIMENSIONING IN ACCORD WITH ANSI Y14.5 STD'S			MATERIAL-		
MAX. ALL MACHINED SURFACES					

FERMI NATIONAL ACCELERATOR LABORATORY
UNITED STATES DEPARTMENT OF ENERGY

2 - 4 GHZ RECYCLER HORIZONTAL COOLING ELECTRONICS

SCALE	FILMED	DRAWING NUMBER	REV.
		8130 - ED - 356102	E