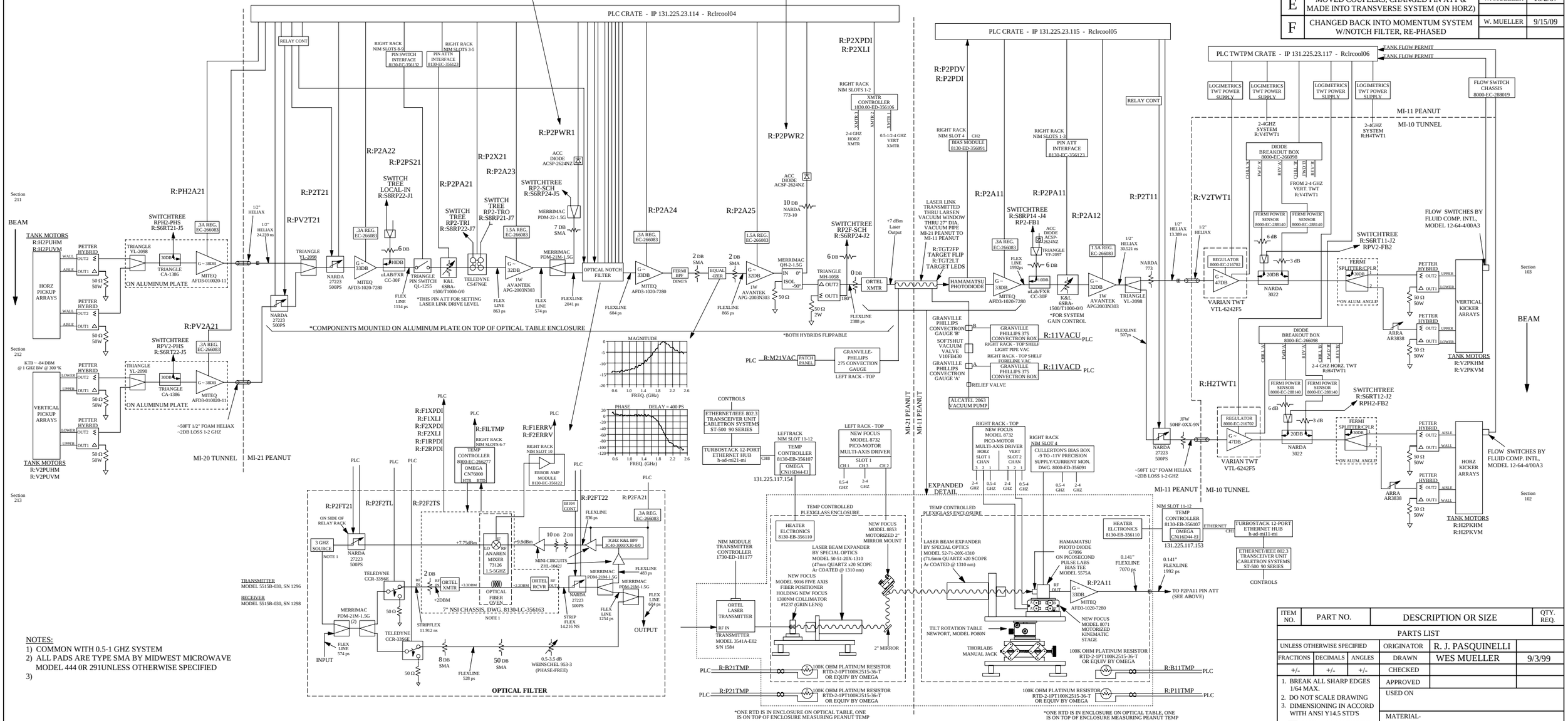
REV.	DESCRIPTION	DRAWN / APPD.	DATE / DATE
A	VACUUM CHANGES, RTD ADDITIONS, TEMP CONTROLLER ADDITIONS	W. MUELLER	5/11/05
B	PUT IN 4 PICKUP HYBRIDS, ADJUSTED LINE LENGTHS	W. MUELLER	5/11/06
C	ADDED 10DB COUPLER AFTER AMP P2A22 TO SWITCH TREE LOCAL-IN	W. MUELLER	1/3/07
D	ADDED TWO 2-THROW SWITCHES, MADE HORZ SYSTEM DELTA MODE, REPHASED	W. MUELLER	2/1/07
E	MOVED COUPLERS, CHANGED PIN ATT & MADE INTO TRANSVERSE SYSTEM (ON HORZ)	W. MUELLER	10/2/07
F	CHANGED BACK INTO MOMENTUM SYSTEM W/NOTCH FILTER, RE-PHASED	W. MUELLER	9/15/09

1-2 GHZ RECYCLER COOLING

R:P2PWR1		
Readback dBm	Readback Volts	Actual dBm
15.5	-2.04	12.1
12.7	-1.80	10.3
8.2	-1.42	7.0
4.3	-1.09	3.9
3.1	-0.98	2.8
0.8	-0.78	0.6
-2.0	-0.55	-2.5

R:P2PWR2		
Readback dBm	Readback Volts	Actual dBm
5.4	-1.20	5.8
3.5	-1.04	3.8
0.3	-0.78	0.4
-2.5	-0.55	-2.9
-3.3	-0.48	-4.0
-4.8	-0.35	-6.3
-6.5	-0.21	-9.3



NOTES:
1) COMMON WITH 0.5-1 GHZ SYSTEM
2) ALL PADS ARE TYPE SMA BY MIDWEST MICROWAVE MODEL 444 0R 291UNLESS OTHERWISE SPECIFIED
3)

9/15/09

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					
MAX. ALL MACHINED SURFACES			MATERIAL-		

FERMI NATIONAL ACCELERATOR LABORATORY
UNITED STATES DEPARTMENT OF ENERGY

1-2 GHZ RECYCLER COOLING ELECTRONICS

SCALE	FILMED	DRAWING NUMBER	REV.
		8130 - ED - 356101	F