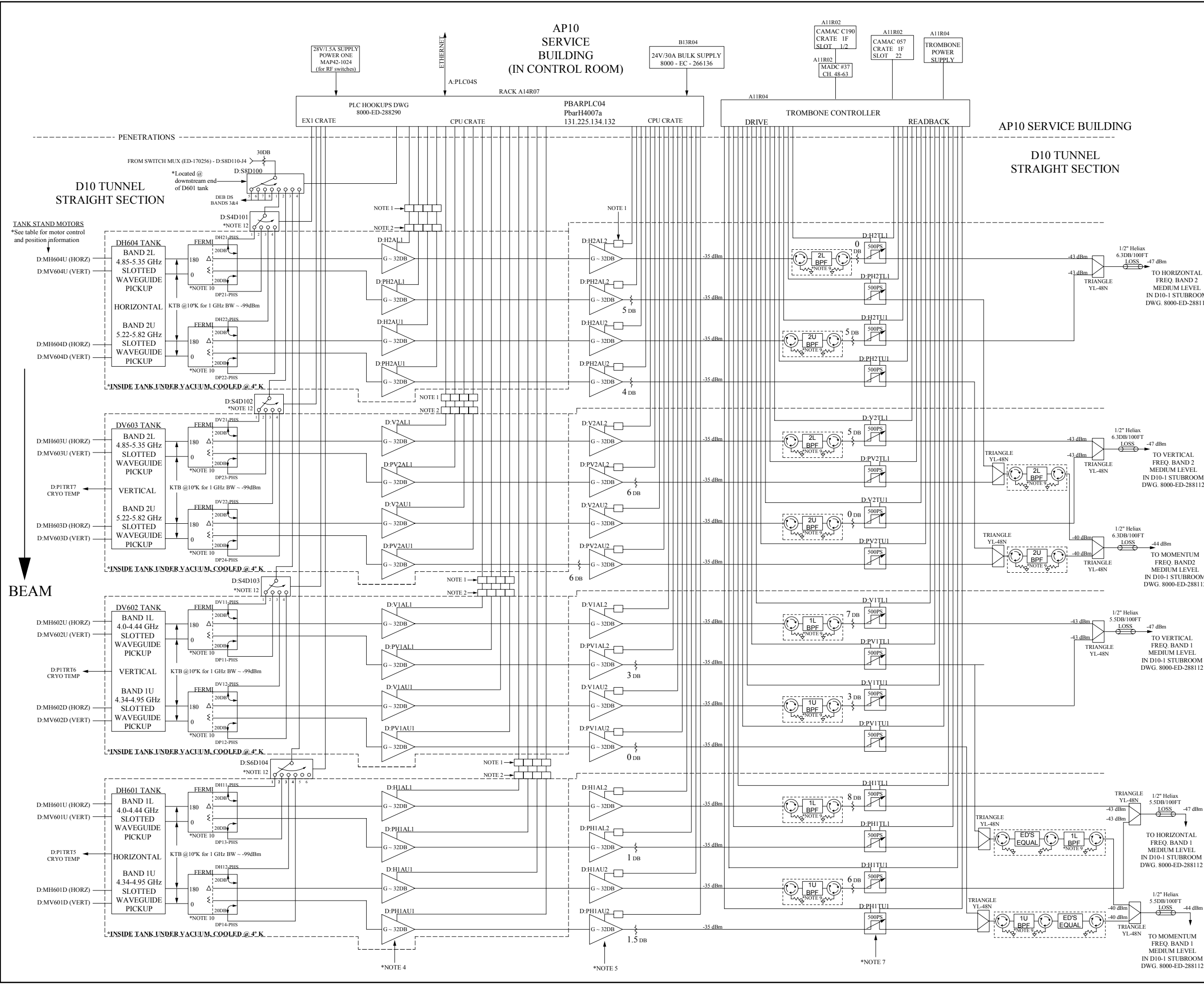


REV.	DESCRIPTION	DRAWN	DATE
A		APPD.	DATE

**AP10 SERVICE BUILDING
(IN CONTROL ROOM)**



MOTOR CONTROLLER IN RACK A11R05

MOTOR	NAME	MADC CHAN
1	D.MH604U	16
2	D.MV604U	17
3	D.MH603U	18
4	D.MV603U	19
5	D.MH602U	20
6	D.MV602U	21
7	D.MH601U	22
8	D.MV601U	23
9	D.MH604D	24
10	D.MV604D	25
11	D.MH603D	26
12	D.MV603D	27
13	D.MH602D	28
14	D.MV602D	29
15	D.MH601D	30
16	D.MV601D	31

- NOTES:**
- AMPLIFIER +15V REGULATORS, FERMI-MADE, 300MA, SEE DWG 8000-EC-266083. REGULATORS PROVIDE ON/OFF CONTROL STATUS, HIGH/LOW VOLTAGE, AND HIGH/LOW CURRENT STATUS.
 - AMPLIFIER +5.0V REGULATORS, BY MITEQ, MODEL BAH-26297.
 - ATTENUATORS ARE SMA TYPE BY MIDWEST MICROWAVE, MODEL 444 OR 292, ~86PS LENGTH
 - CRYOGENIC AMPS BY MITEQ, INC., MODEL AMF-3F-040052-25K-CRYO FOR BAND 1 AND MODEL AMF-3F-047060-25K-CRYO FOR BAND 2.
 - LOW LEVEL AMPLIFIERS BY DBS uWAVE, MODEL DB97-1787.
 -
 - PHASE SHIFTERS ARE BY NARDA uWAVE, MODEL 27223, 500PS RANGE CONTROL CABLES PROVIDES MOTOR DIRECTIONAL POWER ON/OFF, READBACK CABLES PROVIDES LOW/HIGH LIMIT AND POSITION.
 - AMP REGULATORS, SWITCHES, AND ALL RF COMPONENTS PAST COLD BOX, ARE MOUNTED SOMEWHERE ON OR NEAR EACH OF THEIR RESPECTIVE PICKUP TANKS.
 - FERMI-MADE TRANSVERSAL BANDPASS FILTER, WITH DITOM #31783 CIRCULATOR ON EACH END. TOTAL LOSS ~2DB.
 - FERMI-MADE CUSTOM NARROW BAND 180° RING HYBRID W/SHORTING STUB.
 - ATTENUATORS ARE TYPE 'N' SW, MODEL A956S BY EMCO.
 - COAXIAL SWITCHES ARE EITHER BY NARDA (WAVECOM) OR DYNATECH. FOUR POSITION MODEL 04-113E291 (Dynatech) OR 043-B237-D1D-3B1 (Narda). SIX POSITION MODEL 06-113E291 (Dynatech) OR 063-B237-D1D-3B1.

12/29/04

ITEM NO.	PART NO.	DESCRIPTION OR SIZE	QTY. REQ.
PARTS LIST			
UNLESS OTHERWISE SPECIFIED		ORIGINATOR	RALPH PASQUINELLI
FRACTIONS	DECIMALS	ANGLES	DRAWN WESLEY J. MUELLER
+/-	+/-	+/-	CHECKED
1. BREAK ALL SHARP EDGES 1/64 MAX.		APPROVED	USED ON
2. DO NOT SCALE DRAWING		MATERIAL-	
3. DIMENSIONING IN ACCORD WITH ANSI Y14.5 STD'S			
✓ MAX. ALL MACHINED SURFACES			
FERMI NATIONAL ACCELERATOR LABORATORY UNITED STATES DEPARTMENT OF ENERGY			
ANTI-PROTON SOURCE DEBUNCHER LOW LEVEL UPSTREAM ELECTRONICS			
SCALE	FILMED	DRAWING NUMBER	REV.
		8000 - ED - 288110	