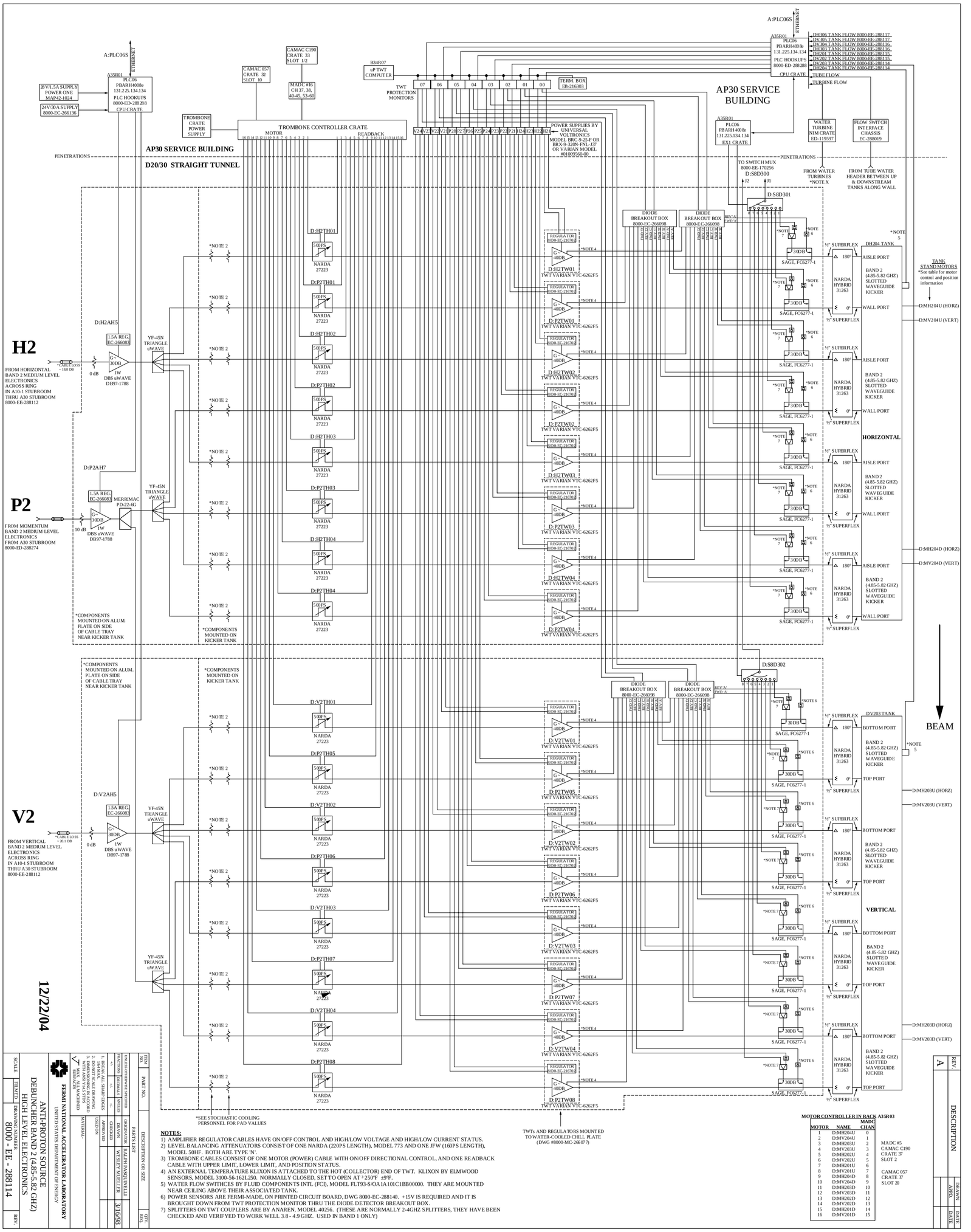

NOTES:

1) AMPLIFIER REGULATOR CABLES HAVE ON/OFF CONTROL AND HIGH/LOW VOLTAGE AND HIGH/LOW CURRENT STATUS.
2) LEVEL BALANCING ATTENUATORS CONSIST OF ONE NARDA (220PS LENGTH), MODEL 773 AND ONE JFW (160PS LENGTH), MODEL 50HF. BOTH ARE TYPE 'N'.
3) TROMBONE CABLES CONSIST OF ONE MOTOR (POWER) CABLE WITH ON/OFF DIRECTIONAL CONTROL, AND ONE READBACK CABLE WITH UPPER LIMIT, LOWER LIMIT, AND POSITION STATUS.
4) AN EXTERNAL TEMPERATURE KLIXON IS ATTACHED TO THE HOT (COLLECTOR) END OF TWT. KLIXON BY ELMWOOD SENSORS, MODEL 3100-56-162L250. NORMALLY CLOSED, SET TO OPEN AT ³250ºF ±9ºF.
5) WATER FLOW SWITHCES BY FLUID COMPONENTS INTL (FCI), MODEL FLT93-S/OA1A101C1BB00000. THEY ARE MOUNTED NEAR CEILING ABOVE THEIR ASSOCIATED TANK.
6) POWER SENSORS ARE FERMI-MADE, ON PRINTED CIRCUIT BOARD, DWG 8000-EC-288140. +15V IS REQUIRED AND IT IS BROUGHT DOWN FROM TWT PROTECTION MONITOR THRU THE DIODE DETECTOR BREAKOUT BOX.
7) SPLITTERS ON TWT COUPLERS ARE BY ANAREN, MODEL 40256. (THESE ARE NORMALLY 2-4GHZ SPLITTERS, THEY HAVE BEEN CHECKED AND VERIFYED TO WORK WELL 3.8 - 4.9 GHZ. USED IN BAND 1 ONLY)

REV.	DESCRIPTION	DRAWN	DATE
A		ASPO	

ITEM NO.	PART NO.	DESCRIPTION OR SIZE	QTY. PER

UNLESS OTHERWISE SPECIFIED
FRACTIONS ± DECIMALS ± ANGLES ±
MATERIAL
FINISH
NEXT ASSY
USED ON
APPLICATION
DO NOT SCALE DRAWING
DRAWN
CHECKED
ENGR APPR.
MFG APPR.
Q.A.
COMMENTS:
ORIGINATOR
WESLEY SAUEILLER
PARTS LIST
REAL PHYSAQUIRELL

FERMI NATIONAL ACCELERATOR LABORATORY
UNITED STATES DEPARTMENT OF ENERGY

ANTI-PROTON SOURCE
DEBUNCHER BAND 2 (4.85-5.82 GHZ)
HIGH LEVEL ELECTRONICS

SCALE	DRAWING NUMBER	REV.
DELETED	8000 - EE - 288114	

SHEET SIZE	FSCM NO.
A	216938