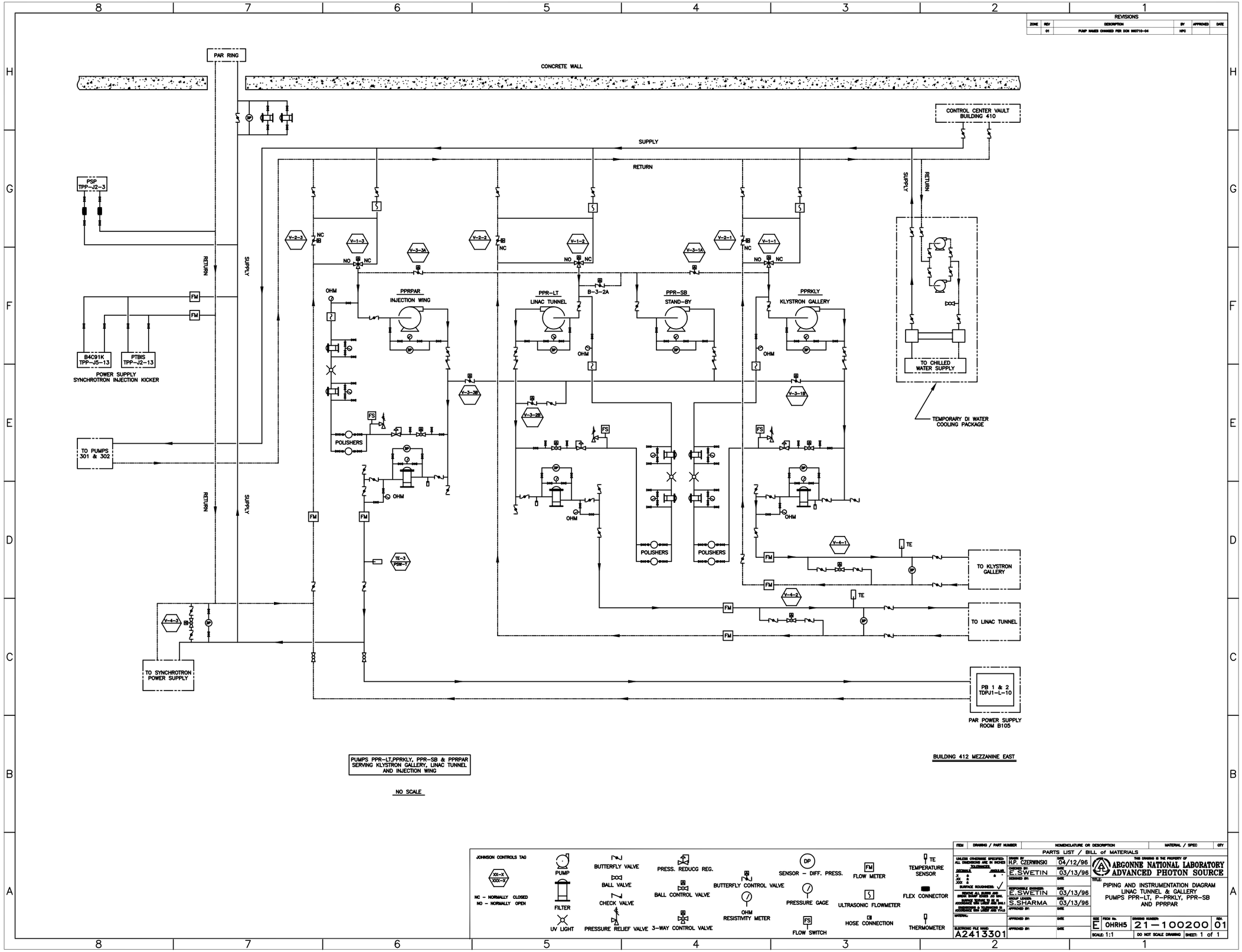

REVISIONS
ZONE REV DESCRIPTION BY APPROVED DATE
01 PUMP NAMES CHANGED PER DCN 960710-04 HPC
PAR RING
CONCRETE WALL
CONTROL CENTER VAULT BUILDING 410
SUPPLY
RETURN
PSP TPP-J2-3
B4C91K TPP-J5-13
PTBIS TPP-J2-13
POWER SUPPLY SYNCHROTRON INJECTION KICKER
TO PUMPS 301 & 302
TO SYNCHROTRON POWER SUPPLY
PPRPAR INJECTION WING
PPR-LT LINAC TUNNEL
PPR-SB STAND-BY
PPRKLY KLYSTRON GALLERY
B-3-2A
POLISHERS
TO CHILLED WATER SUPPLY
TEMPORARY DI WATER COOLING PACKAGE
TO KLYSTRON GALLERY
TO LINAC TUNNEL
PB 1 & 2 TDPJ1-L-10
PAR POWER SUPPLY ROOM B105
BUILDING 412 MEZZANINE EAST
PUMPS PPR-LT,PPRKLY, PPR-SB & PPRPAR SERVING KLYSTRON GALLERY, LINAC TUNNEL AND INJECTION WING
NO SCALE
JOHNSON CONTROLS TAG
NC - NORMALLY CLOSED
NO - NORMALLY OPEN
PUMP
FILTER
UV LIGHT
BUTTERFLY VALVE
BALL VALVE
CHECK VALVE
PRESSURE RELIEF VALVE
PRESS. REDUCG REG.
BALL CONTROL VALVE
3-WAY CONTROL VALVE
BUTTERFLY CONTROL VALVE
OHM RESISTIVITY METER
SENSOR - DIFF. PRESS.
PRESSURE GAGE
FLOW SWITCH
FLOW METER
ULTRASONIC FLOWMETER
HOSE CONNECTION
TEMPERATURE SENSOR
FLEX CONNECTOR
THERMOMETER
PARTS LIST / BILL of MATERIALS
DRAWN BY H.P. CZERWINSKI 04/12/96
CHECKED BY E.SWETIN 03/13/96
DESIGNED BY: 03/13/96
RESPONSIBLE ENGINEER E.SWETIN 03/13/96
GROUP LEADER S.SHARMA 03/13/96
THIS DRAWING IS THE PROPERTY OF ARGONNE NATIONAL LABORATORY ADVANCED PHOTON SOURCE
TITLE: PIPING AND INSTRUMENTATION DIAGRAM LINAC TUNNEL & GALLERY PUMPS PPR-LT, P-PRKLY, PPR-SB AND PPRPAR
SIZE E FSCM No. 0HRH5 DRAWING NUMBER 21-100200 REV. 01
SCALE 1:1 DO NOT SCALE DRAWING SHEET 1 of 1
ELECTRONIC FILE NAME A2413301