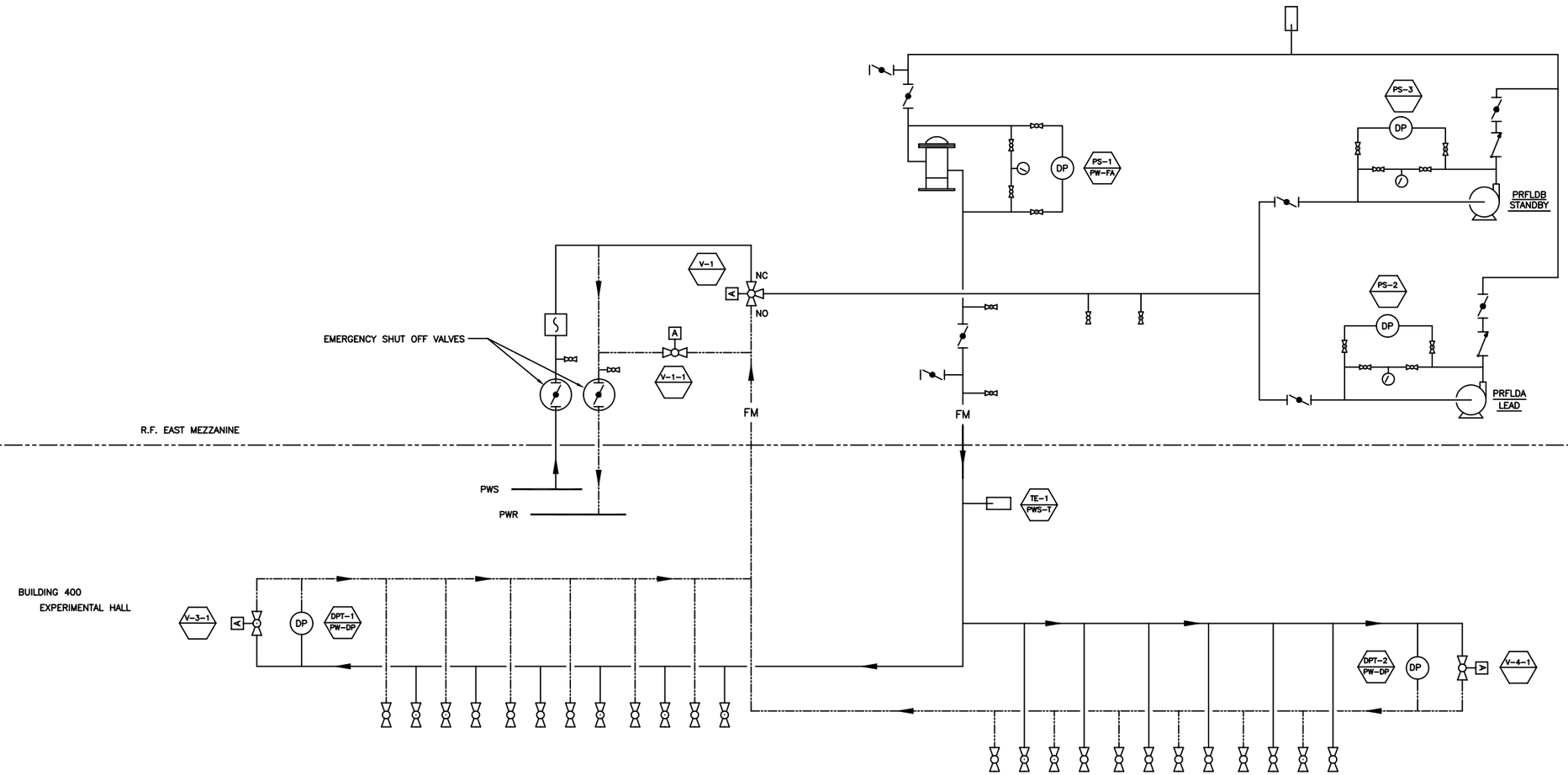
REVISIONS					
ZONE	REV	DESCRIPTION	BY	APPROVED	DATE
	01	PUMP NAMES CHANGED PER DCN 960710-07	HPC		



GENERAL NOTES:

1. PUMPS P-908 AND P-909 SERVE THE FOLLOWING EQUIPMENT.

   A.) R.F LOADS

LEGEND:

- SUPPLY LINE
- RETURN LINE
- INSTRUMENTATION LINE

PUMPS PRFLDA AND PRFLDB R.F. LOADS

NO SCALE

JOHNSON CONTROLS TAG
XX-X
XXX-X
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
FM
FLOW METER
ULTRASONIC FLOWMETER
HOSE CONNECTION
TE
TEMPERATURE
SENSOR
FLEX CONNECTOR
THERMOMETER

ITEM	DRAWING / PART NUMBER	NOMENCLATURE OR DESCRIPTION	MATERIAL / SPEC	QTY

PARTS LIST / BILL of MATERIALS

UNLESS OTHERWISE SPECIFIED: ALL DIMENSIONS ARE IN INCHES
TOLERANCES
DECIMALS .X ± .XX ± .XXX ± ANGULAR ± °
SURFACE ROUGHNESS: √
REMOVE ALL BURRS AND BREAK SHARP EDGES .03 MAX.
SURFACE TEXTURE TO BE IN ACCORDANCE WITH LATEST ANSI B46.1
DIMENSIONING & TOLERANCING IN ACCORDANCE WITH LATEST ANSI Y14.5
MATERIAL:
ELECTRONIC FILE NAME: A2413201

DRAWN BY: H.P. CZERWINSKI	DATE: 03/12/96	
CHECKED BY: E.SWETIN	DATE: 03/13/96	
DESIGNED BY:	DATE:	
RESPONSIBLE ENGINEER: E.SWETIN	DATE: 03/13/96	
GROUP LEADER: S.SHARMA	DATE: 03/13/96	
APPROVED BY:	DATE:	
APPROVED BY:	DATE:	
APPROVED BY:	DATE:	

THIS DRAWING IS THE PROPERTY OF
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ADVANCED PHOTON SOURCE

TITLE:
PIPING & INSTRUMENT DIAGRAM
R.F. LOADS
PUMPS PRFLDA AND PRFLDB

SIZE	FSCM No.	DRAWING NUMBER:	REV.
D	OHRH5	31-104600	01

SCALE: 1:1 | DO NOT SCALE DRAWING | SHEET: 1 of 1