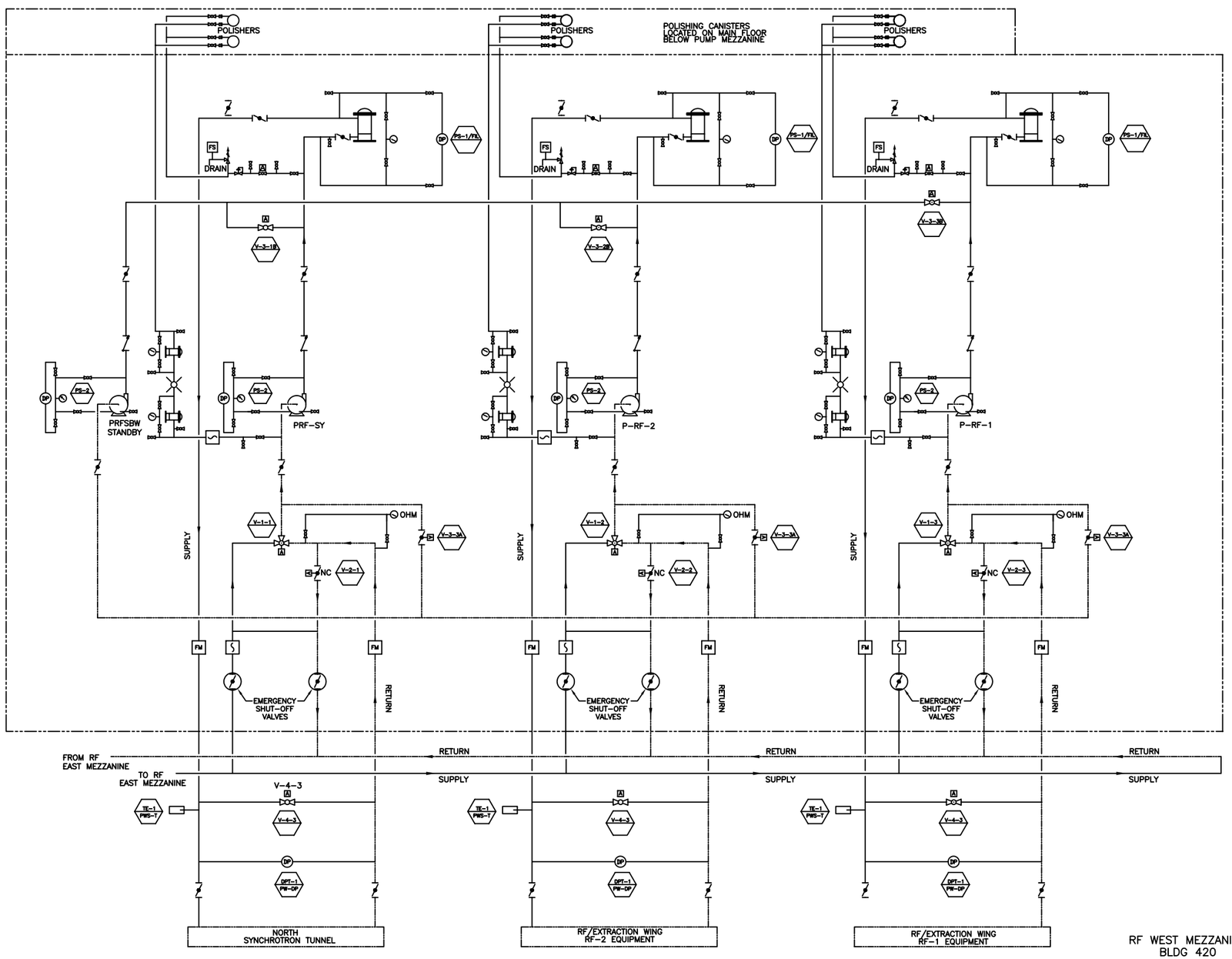
REVISIONS					
ZONE	REV	DESCRIPTION	BY	APPROVED	DATE
	01	PUMP NAMES CHANGED PER DCN 982710-05	HPC		



RF WEST MEZZANINE
BLDG 420

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
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 INDICATED: ALL DIMENSIONS ARE IN INCHES TOLERANCES: DECIMALS X ± ANGULAR ± ° XX ± X ± XXX ± SURFACE ROUGHNESS ✓ REMOVE ALL BURRS AND SHARP EDGES ALSO BREAK ALL SIDE EDGES AT 1/64 MAX. MATERIAL SHALL BE ALL NEW AND FREE FROM DEFECTS. FABRICATION & INSPECTION IN ACCORDANCE WITH LATEST ANSI STDS.

MATERIAL:

ELECTRONIC FILE NAME: A2408801

DRAWN BY: H.P. CZERWINSKI DATE: 03/04/96
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

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ARGONNE NATIONAL LABORATORY
ADVANCED PHOTON SOURCE

TITLE:
P & ID FOR D. I. WATER
BUILDING 420 WEAT MEZZANINE
PUMPS P–RF–1, P–RF–2, P–PRFSBW & PRF–SY

SIZE: E | FICH No.: OHRH5 | DRAWING NUMBER: 31–103500 | REV.: 01
SCALE: 1:1 | DO NOT SCALE DRAWING | SHEET: 1 of 1