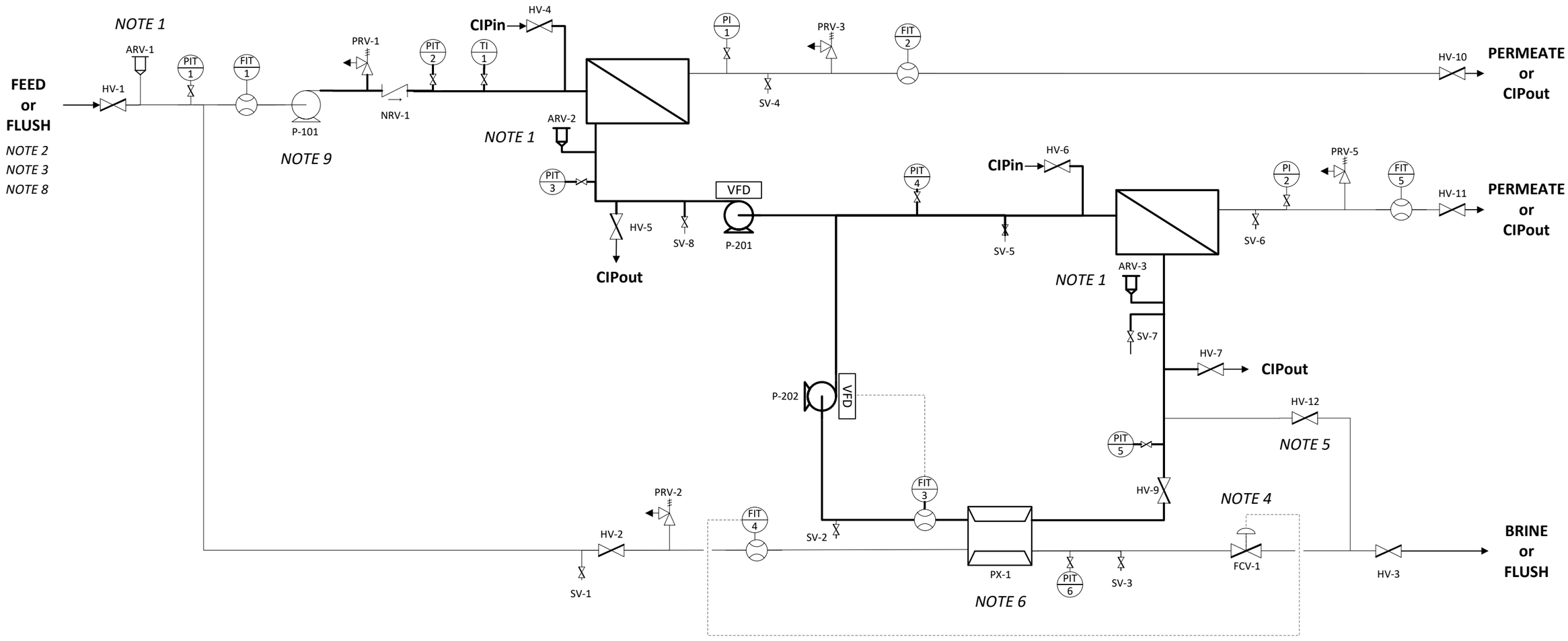

GENERAL NOTES:

1. REVERSE OSMOSIS (RO) SYSTEM MUST BE PURGED OF ALL AIR BEFORE PRESSURIZATION. HIGH-POINT VENTS IN THE HIGH-PRESSURE AND LOW-PRESSURE PIPING ARE REQUIRED TO FACILITATE PURGING.
2. FEEDWATER TO BE FILTERED WITH THE MICRON RATING SPECIFIED IN THE PRODUCT DATA SHEET.
3. FRESH WATER FLUSH IS REQUIRED PRIOR TO EXTENDED SHUTDOWN.
4. PX LOW-PRESSURE FLOW CAN BE CONTROLLED WITH FEED PRESSURE AS AN ALTERNATIVE TO FLOW CONTROL. LOW-PRESSURE FLOW CONTROL VALVE SHOULD BE POSITIONED TO ASSURE GREATER THAN MINIMUM BACKPRESSURE ON PXS. SEE O&M MANUAL OR PRODUCT DATA SHEET FOR PRESSURE SPECIFICATIONS.
5. OPTIONAL BYPASS FOR MEMBRANE FLUSHING.
6. PX SYSTEM UNITS CAN BE USED AS SINGLE UNITS OR IN MULTIPLE UNIT ARRAYS. SEE ERI DOCUMENT NUMBER 60007 AND 60008.
7. HPP MOTOR SHOULD BE INTERLOCKED WITH CIRCULATION PUMP MOTOR.
8. PLANT CAN OPERATED WITH COMMON FEED PUMP OR INDEPENDENT FEED PUMPS FOR HPP & PX ARRAY.
9. SYSTEM PRESSURE AND PRODUCT FLOW RATE CAN BE MADE ADJUSTABLE BY APPLYING A VARIABLE FREQUENCY DRIVE TO HPP MOTOR.
10. REFER TO ERII DOCUMENT 80073-01 FOR ITEMS REQUIRED FOR P&ID APPROVAL.

TYPICAL CONFIGURATION, FOR CONCEPT ONLY

REV.	DESCRIPTION	DATE	BY	CHK
00	CONCEPTUAL DRAWING	6/13/25	RS	RB

energy recovery

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www.energyrecovery.com

DWG TYPE: PIPING AND INSTRUMENTATION DIAGRAM

DWG DESCRIPTION: ONE AND ONE HALF STAGE REVERSE OSMOSIS WITH INTERSTAGE BOOST

SIZE	DWG NO	REV
B	N/A	01

SCALE: NONE

SHEET: 1 OF 2

SYMBOLS


ON-OFF VALVE


CHECK VALVE


CONTROL VALVE

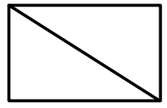

PRESSURE RELIEF VALVE

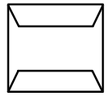
SAMPLE VALVE


AIR RELIEF VALVE


FLOW METER


INDICATOR OR TRANSMITTER


REVERSE OSMOSIS MEMBRANE ARRAY


PRESSURE EXCHANGER DEVICE


PUMP

REV.	DESCRIPTION	DATE	BY	CHK
00	CONCEPTUAL DRAWING	6/13/25	RS	RB

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DWG TYPE

PIPING AND INSTRUMENTATION DIAGRAM

DWG DESCRIPTION

ONE AND ONE HALF STAGE REVERSE OSMOSIS WITH AND WITHOUT INTERSTAGE BOOST - SYMBOLS

SIZE		DWG NO	REV
B		N/A	01

SCALE		SHEET
NONE		2 OF 2