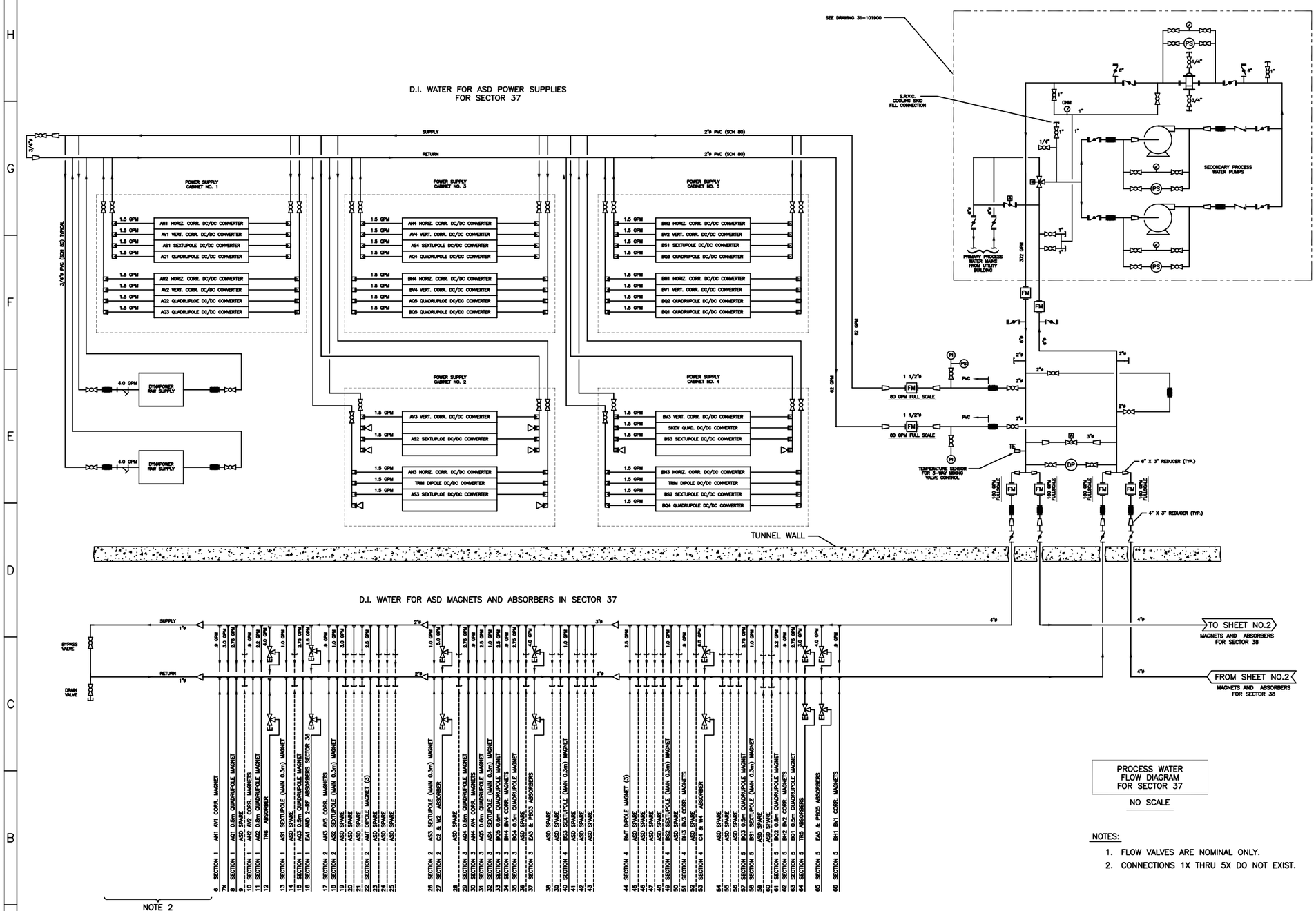
REVISIONS					
ZONE	REV	DESCRIPTION	BY	APPROVED	DATE



PROCESS WATER FLOW DIAGRAM FOR SECTOR 37

NO SCALE

NOTES:

1. FLOW VALVES ARE NOMINAL ONLY.
2. CONNECTIONS 1X THRU 5X DO NOT EXIST.

LEGEND

JOHNSON CONTROLS TAG — XX-X / XXX-X

NC – NORMALLY CLOSED
NO – NORMALLY OPEN

PRESSURE SWITCH — PS

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. — DP

PRESSURE GAGE

STRAINER

MANUAL 3-WAY VALVE

FLOW METER — FM

ULTRASONIC FLOWMETER

HOSE CONNECTION

TEMPERATURE SENSOR — TE

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 ± ; ANGULAR ±
SURFACE ROUGHNESS: ✓

DRAWN BY: T. GAVENON / HPC — DATE: 03/25/96
CHECKED BY: — DATE
DESIGNED BY: — DATE
RESPONSIBLE ENGINEER: — DATE
GROUP LEADER: — DATE
APPROVED BY: — DATE
APPROVED BY: — DATE
APPROVED BY: — DATE

MATERIAL:
ELECTRONIC FILE NAME: A2410300

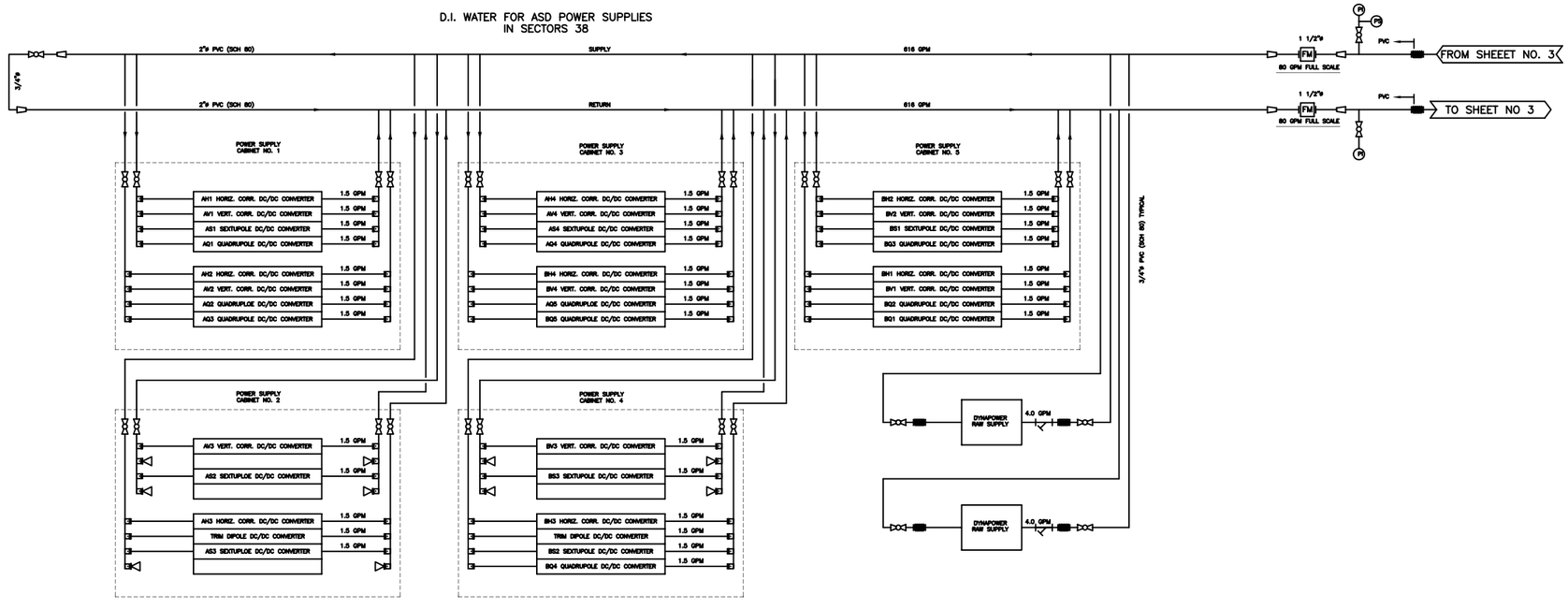
THIS DRAWING IS THE PROPERTY OF
ARGONNE NATIONAL LABORATORY
ADVANCED PHOTON SOURCE

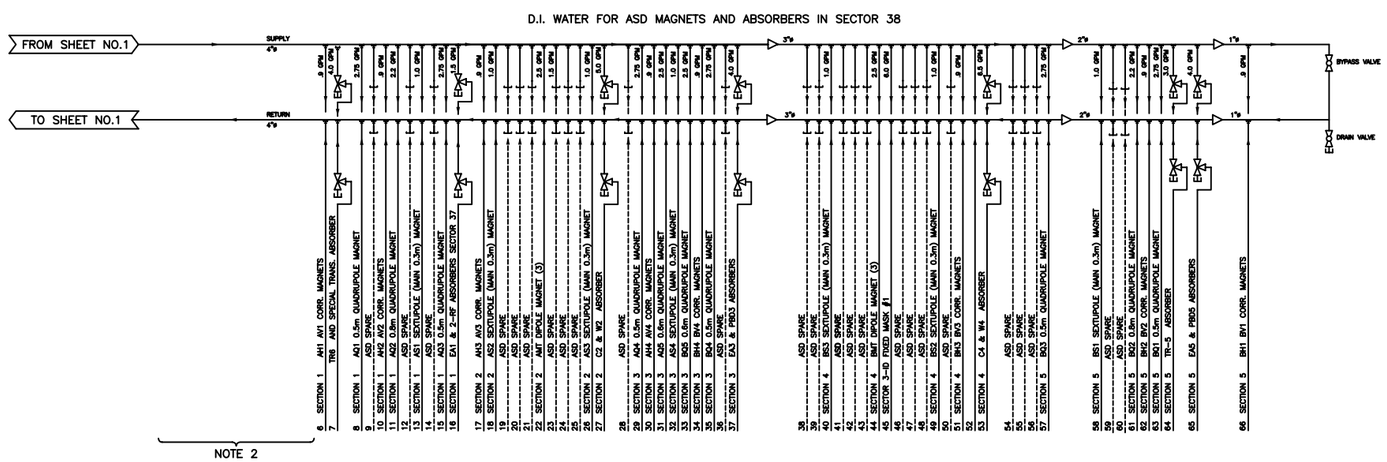
TITLE: PROCESS WATER FLOW DIAGRAM OF STORAGE RING FOR SECTORS 37, 38, 39, 40, 1 AND 2

SIZE: E — FICH No.: OHRH5 — DRAWING NUMBER: 31-103800 — REV.: 00

SCALE: 1:1 — DO NOT SCALE DRAWING — SHEET: 1 of 6

REVISIONS					
ZONE	REV	DESCRIPTION	BY	APPROVED	DATE





PROCESS WATER
FLOW DIAGRAM
FOR SECTOR 38

NO SCALE

NOTES:

1. FLOW VALVES ARE NOMINAL ONLY.
2. CONNECTIONS 1X THRU 5X DO NOT EXIST.

LEGEND

JOHNSON CONTROLS TAG (XX-X / XXX-X)
NC – NORMALLY CLOSED
NO – NORMALLY OPEN
PS PRESSURE SWITCH
PUMP
FILTER
UV LIGHT
BUTTERFLY VALVE
BALL VALVE
CHECK VALVE
PRESSURE RELIEF VALVE
PRESS. REDUCG REG.
BALL CONTROL VALVE
BUTTERFLY CONTROL VALVE
3-WAY CONTROL VALVE
OHM RESISTIVITY METER
DP SENSOR – DIFF. PRESS.
PRESSURE GAGE
STRAINER
MANUAL 3-WAY VALVE
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 ANGULAR X ± ± .XX ± ± .XXX ± ± SURFACE ROUGHNESS: ✓
REMOVE ALL BURRS AND SHARP EDGES AT 45°.
REMOVE NOTHING TO BE ACCEPTED BY FIRST INSPECTION.
PROHIBITED: A TRADEMARK IS ACCURATE ONLY WHEN ... THIS

DRAWN BY: T. GRUSKOWSKI / HPC DATE: 03/22/96
CHECKED BY: DATE
REVIEWED BY: DATE
RESPONSIBLE ENGINEER: DATE
GROUP LEADER: DATE
APPROVED BY: DATE
APPROVED BY: DATE
APPROVED BY: DATE
MATERIAL:
ELECTRONIC FILE NAME: A2410300

THIS DRAWING IS THE PROPERTY OF
ARGONNE NATIONAL LABORATORY
ADVANCED PHOTON SOURCE

TITLE: PROCESS WATER FLOW DIAGRAM OF STORAGE RING FOR SECTORS 37, 38, 39, 40, 1 &2

SIZE: E FROM No. OHRH5 DRAWING NUMBER: 31-103800 REV. 00
SCALE: 1:1 DO NOT SCALE DRAWING SHEET: 2 of 6