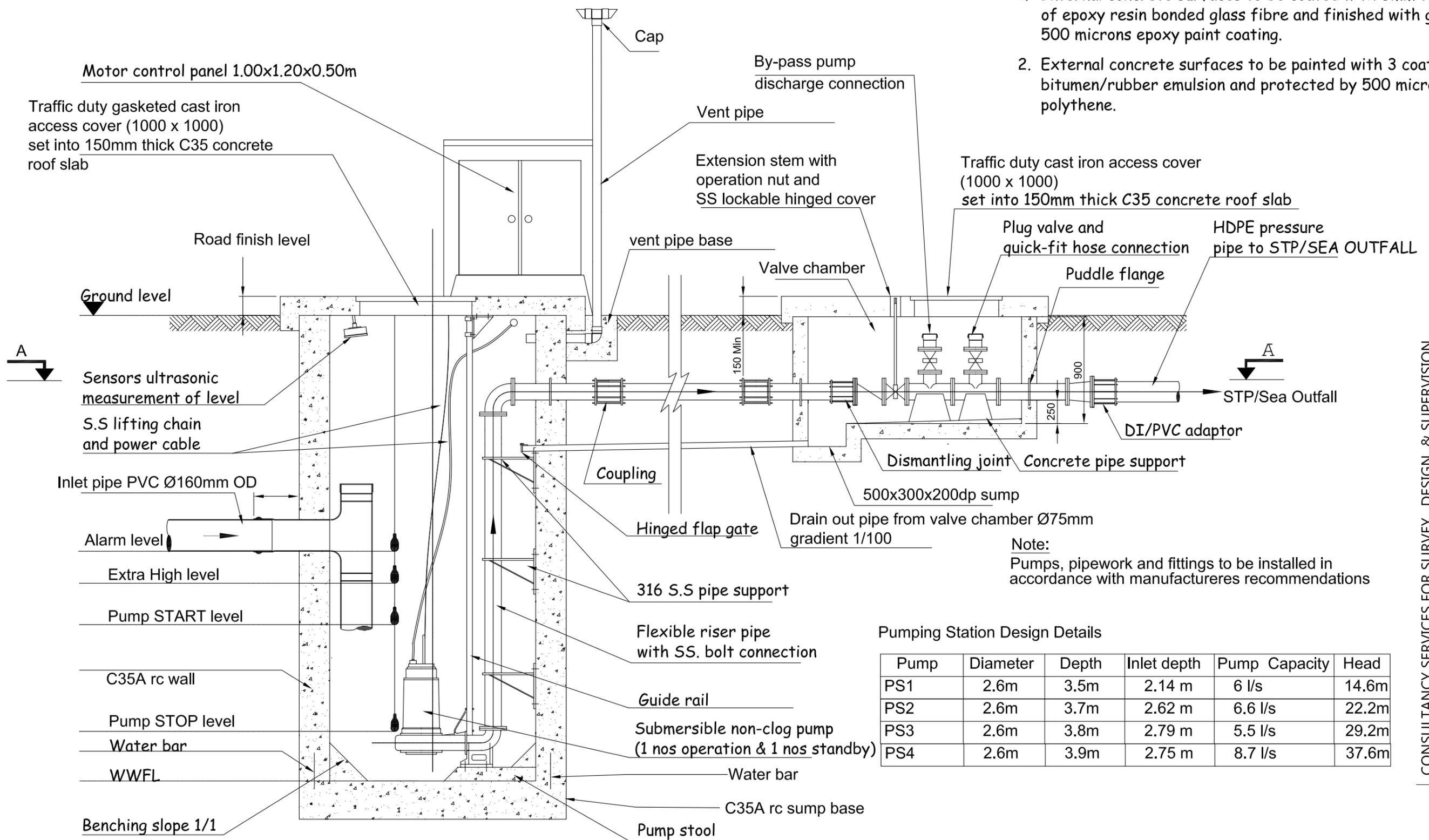


Note: Concrete surface protection to pump well /valve chamber

1. Internal concrete surfaces to be coated with 5mm thickness of epoxy resin bonded glass fibre and finished with gel coat or 500 microns epoxy paint coating.
2. External concrete surfaces to be painted with 3 coats of bitumen/rubber emulsion and protected by 500 micron polythene.



Pumping Station Design Details

Pump	Diameter	Depth	Inlet depth	Pump Capacity	Head
PS1	2.6m	3.5m	2.14 m	6 l/s	14.6m
PS2	2.6m	3.7m	2.62 m	6.6 l/s	22.2m
PS3	2.6m	3.8m	2.79 m	5.5 l/s	29.2m
PS4	2.6m	3.9m	2.75 m	8.7 l/s	37.6m

TYPICAL PUMPING STATION DETAIL - LONGITUDINAL SECTION

Scale: N.T.S

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 DATE: OCTOBER 2016
 ENGINEER: - Mohamed Saif Saeed
 CHECKED BY: - Ihsan Waheed
 DRAWN BY: - Mohamed Saif Saeed

Rev no	Date

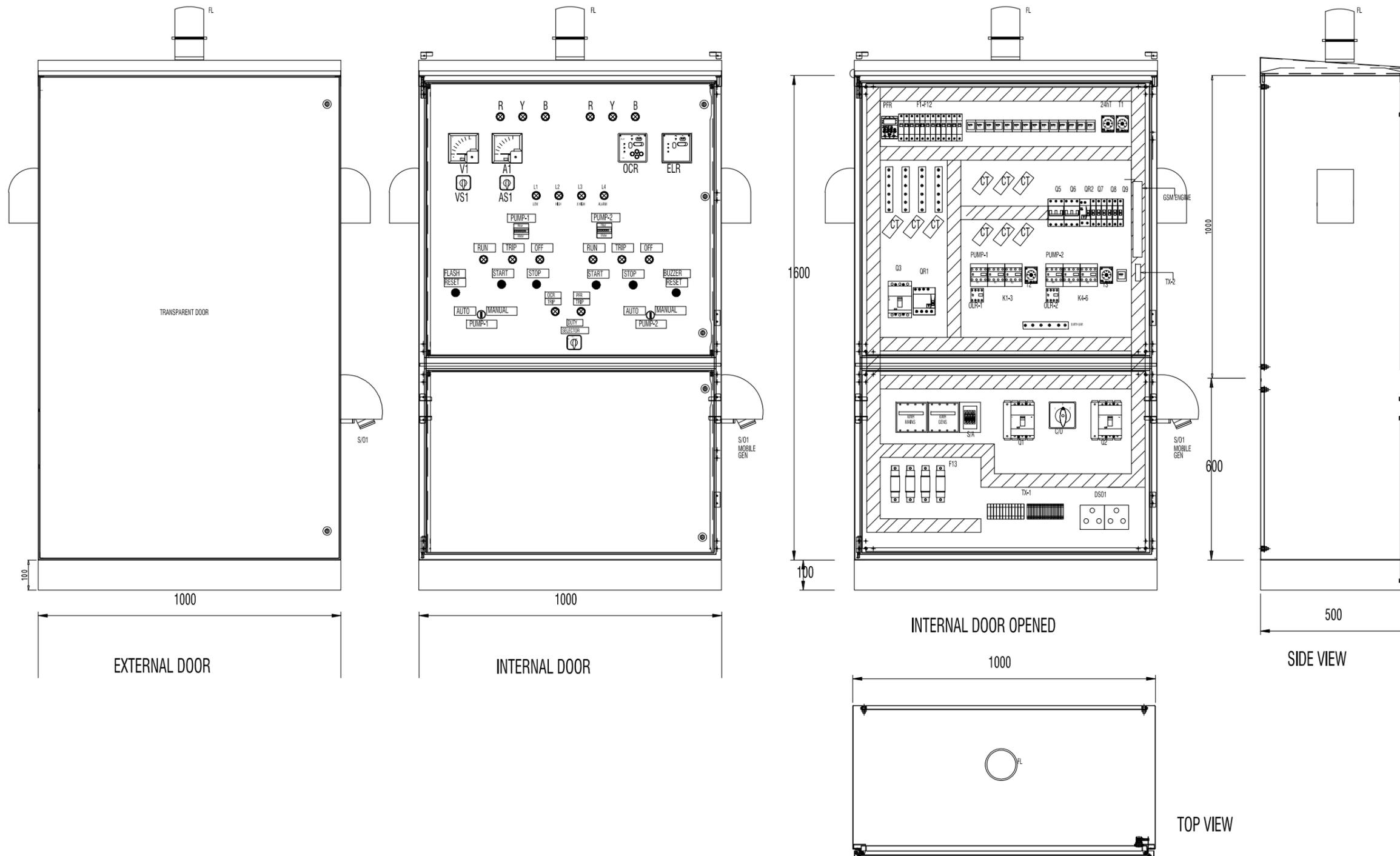
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Title: TYPICAL PUMPING STATION DETAIL - LONGITUDINAL SECTION
 Page: TH - 05



TYPICAL DETAIL FOR PUMP STATION CONTROL PANEL

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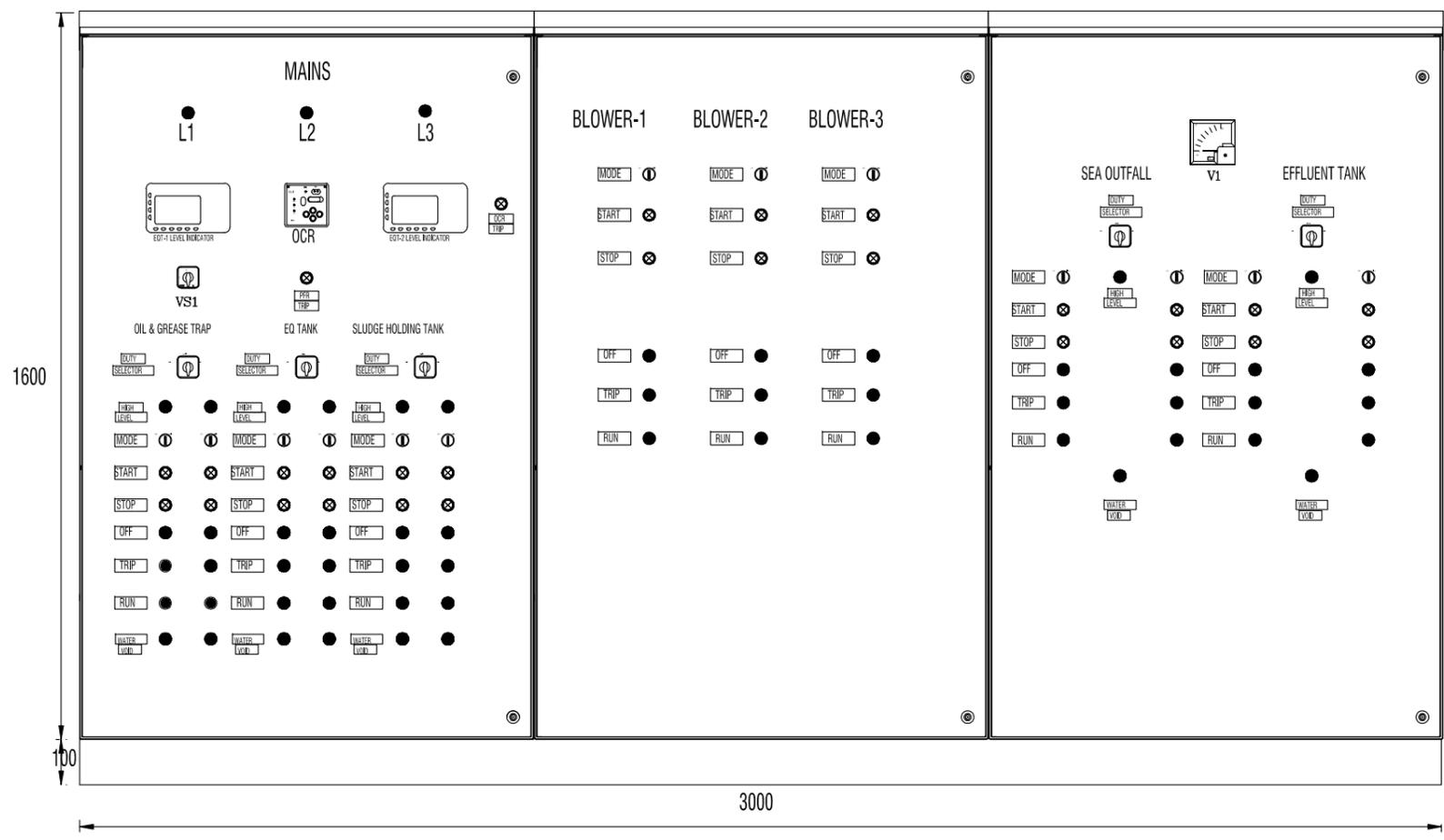
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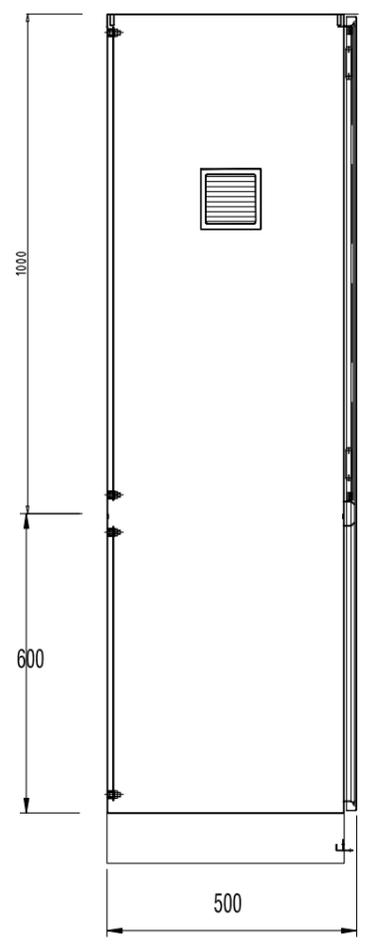
Title: Control Panel

Page: E-06

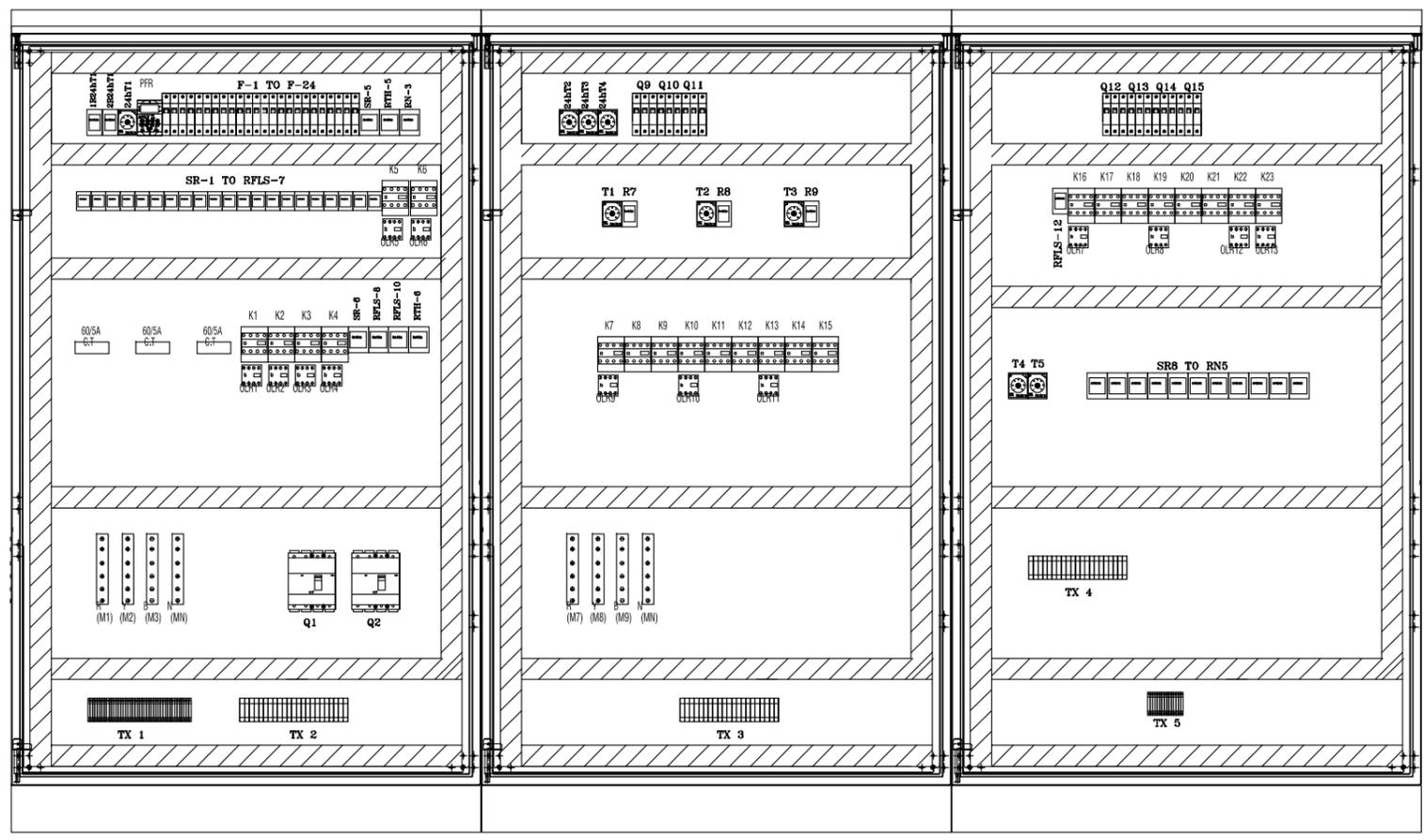
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DOOR CLOSED



SIDE VIEW



DOOR OPENED

1000

1000

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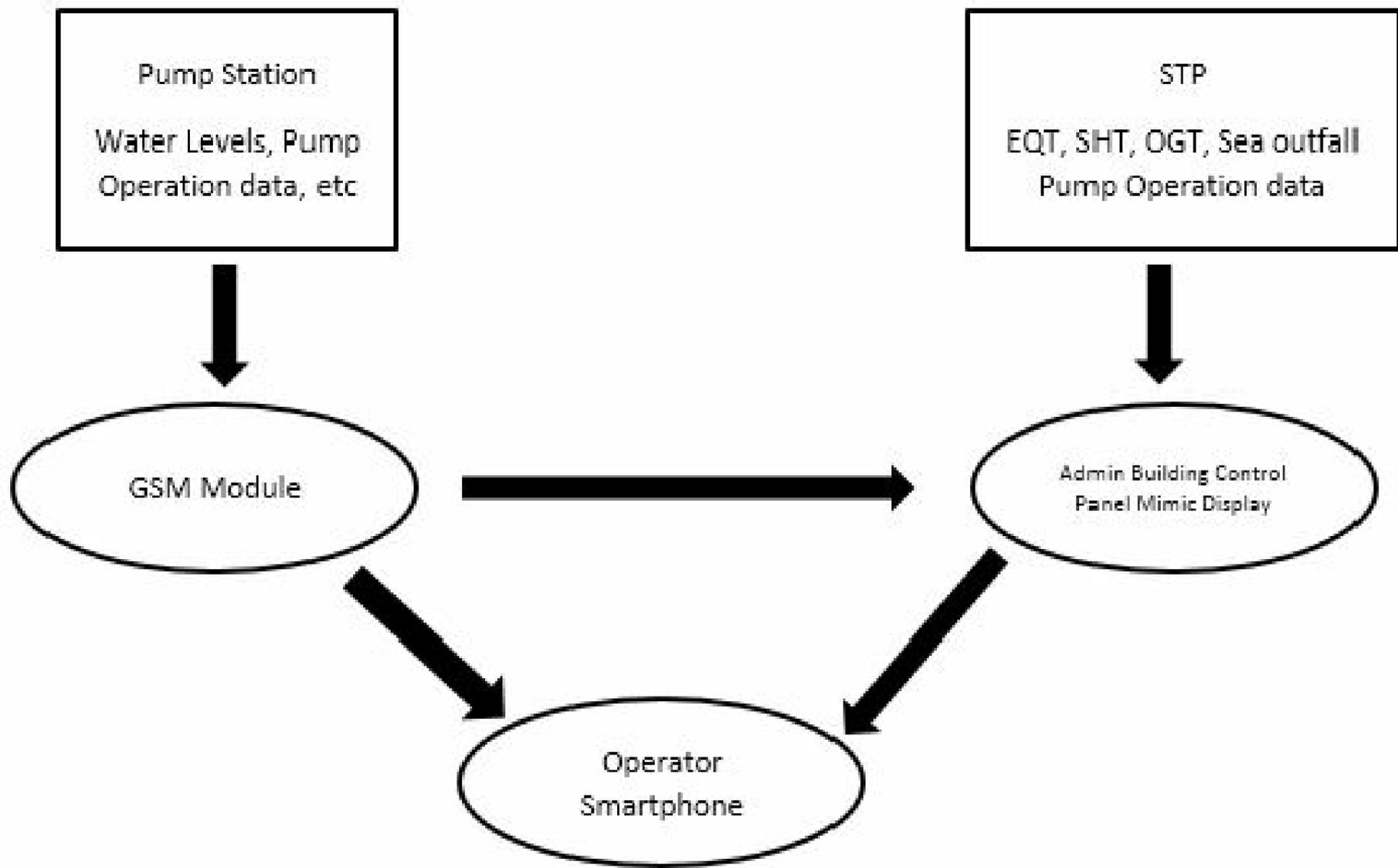
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Overall Process and Instrumentation Control Diagram



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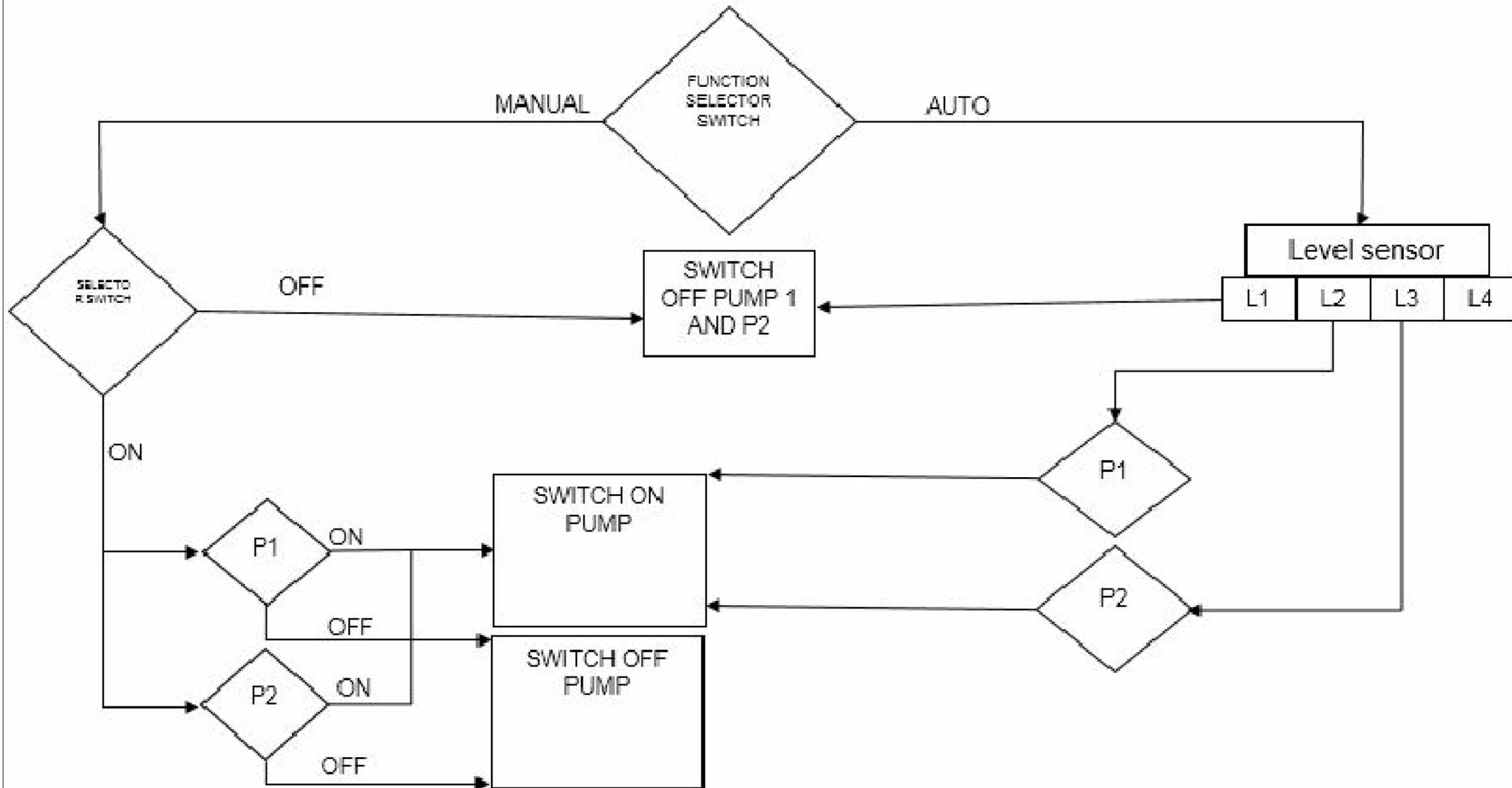
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Title: Overall process
Instrumentation Diagram

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Pump Station Operation Control



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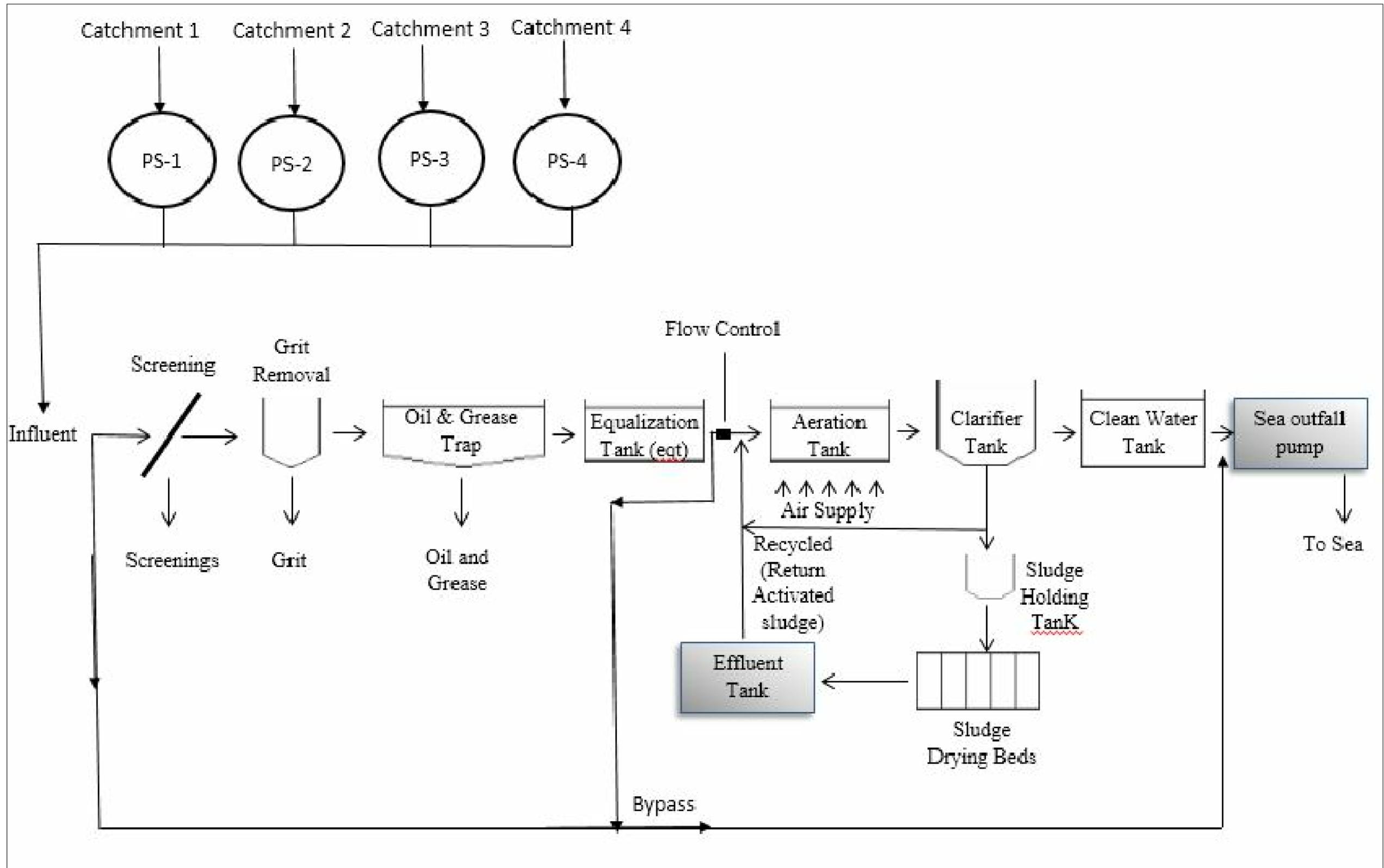
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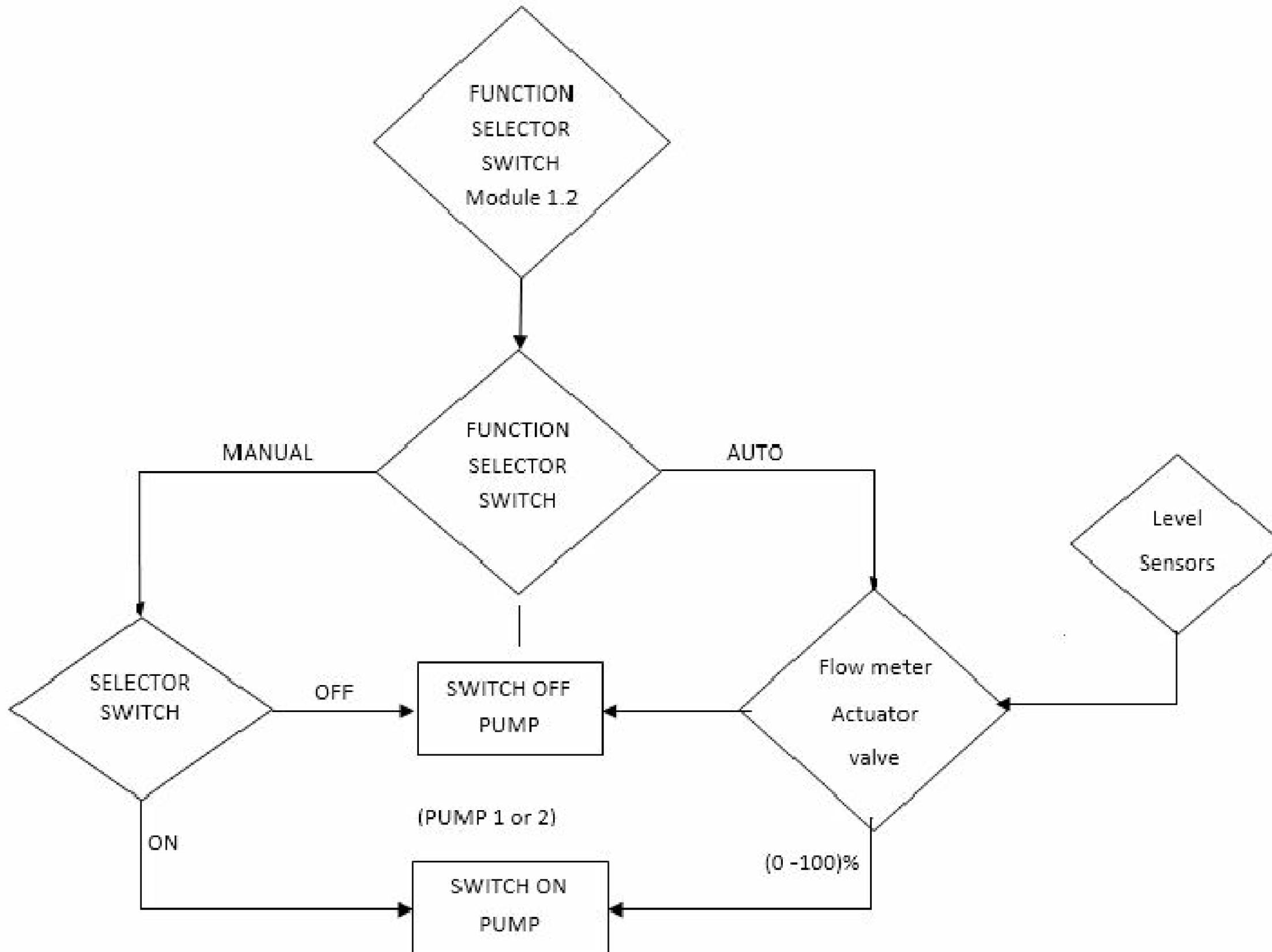
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EQUALISATION TANK TO AERATION TANK OPERATION



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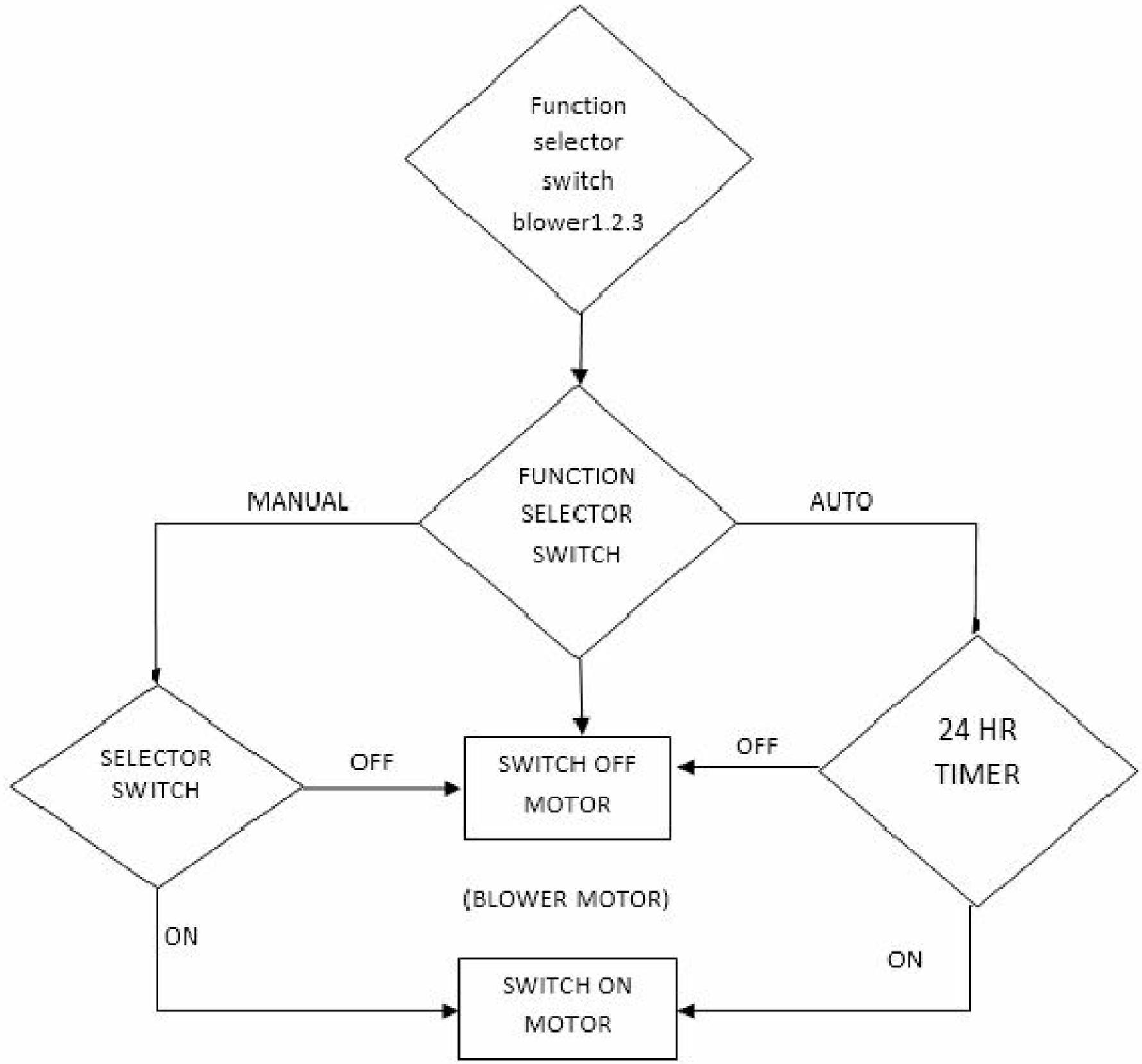
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BLOWER MOTOR OPERATION



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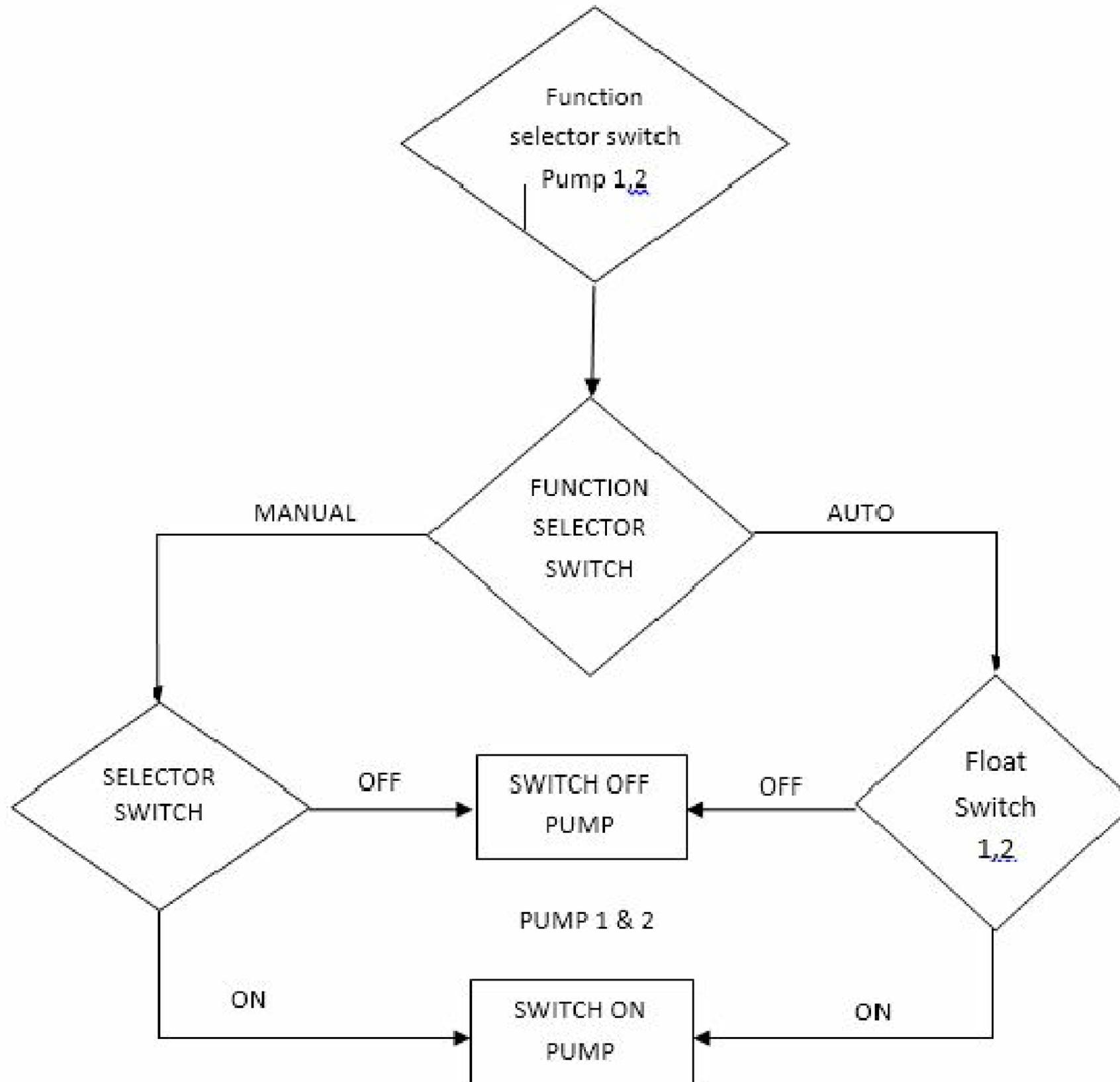
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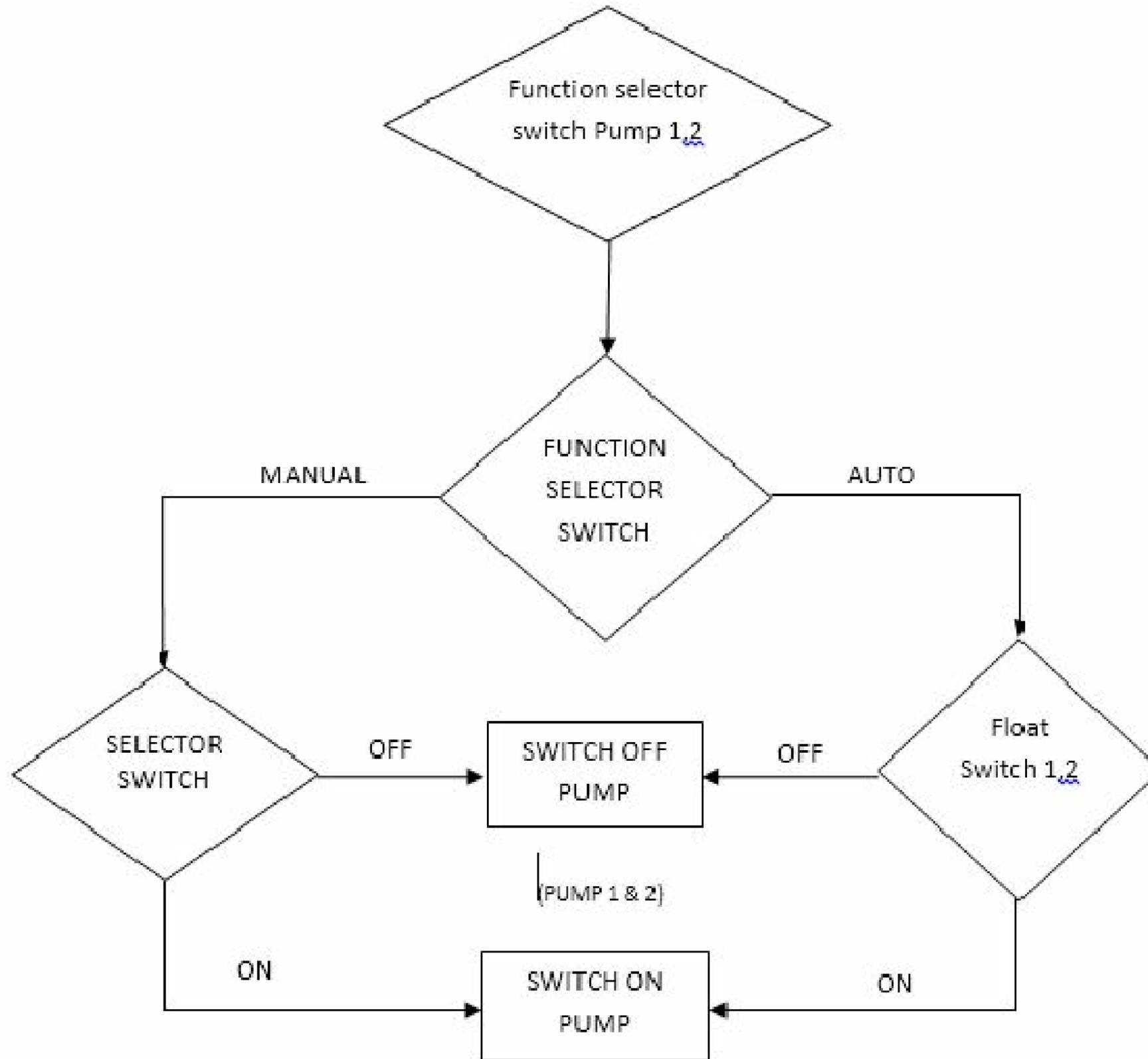
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SLUDGE HOLDING TANK TO DRYING BED OPERATION



EFFLUENT TANK TO AERATION TANK OPERATION



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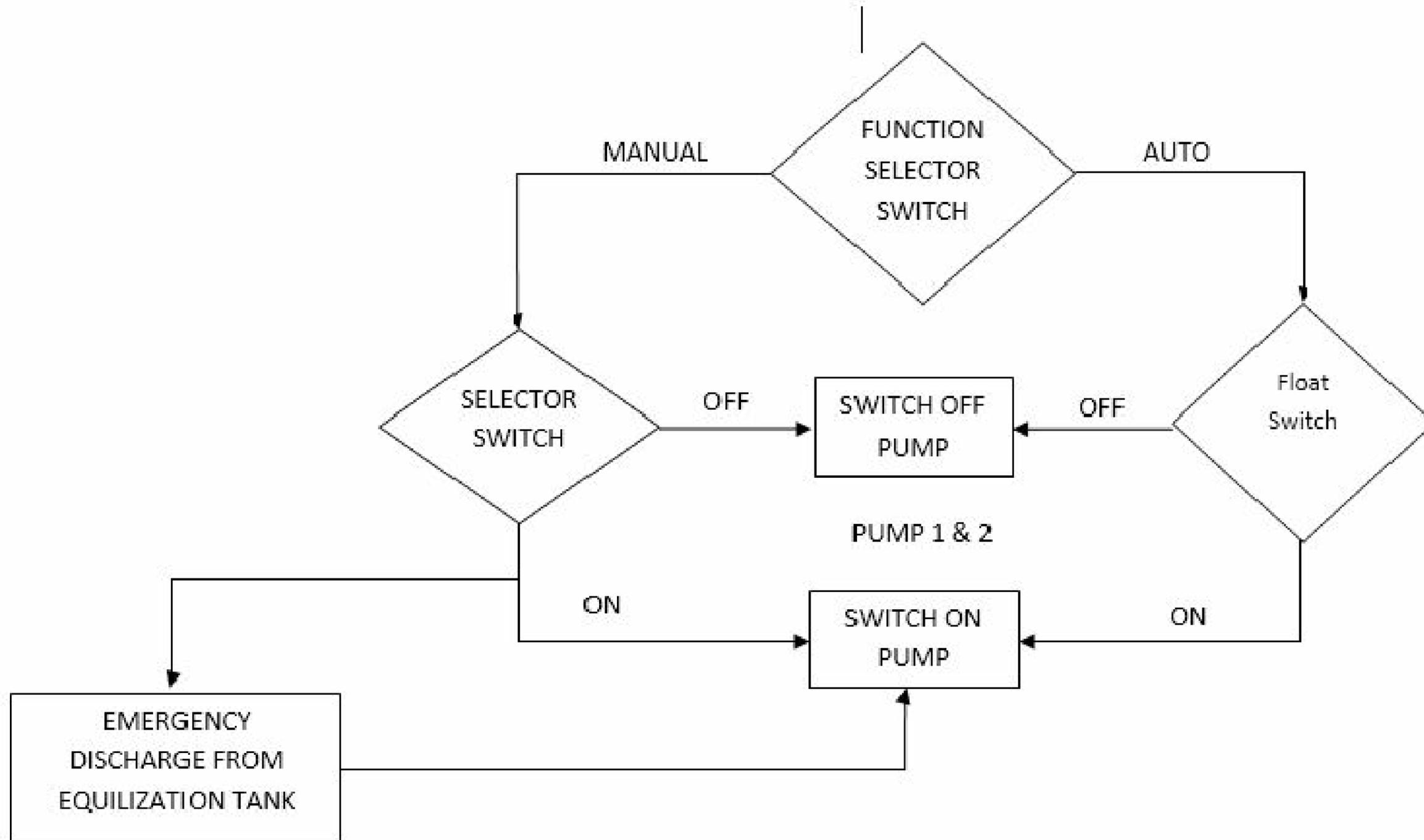
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CLEAR WATER TANK TO SEA OUTFALL OPERATION



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