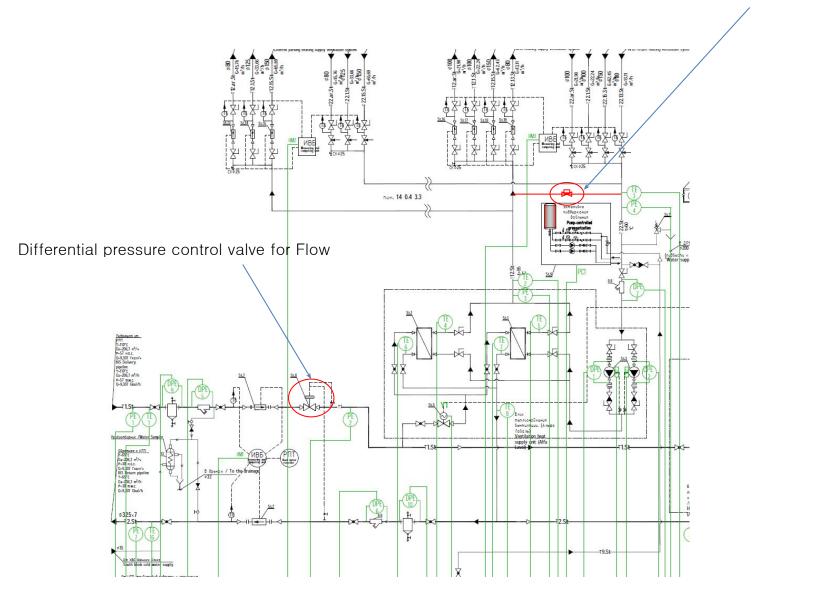
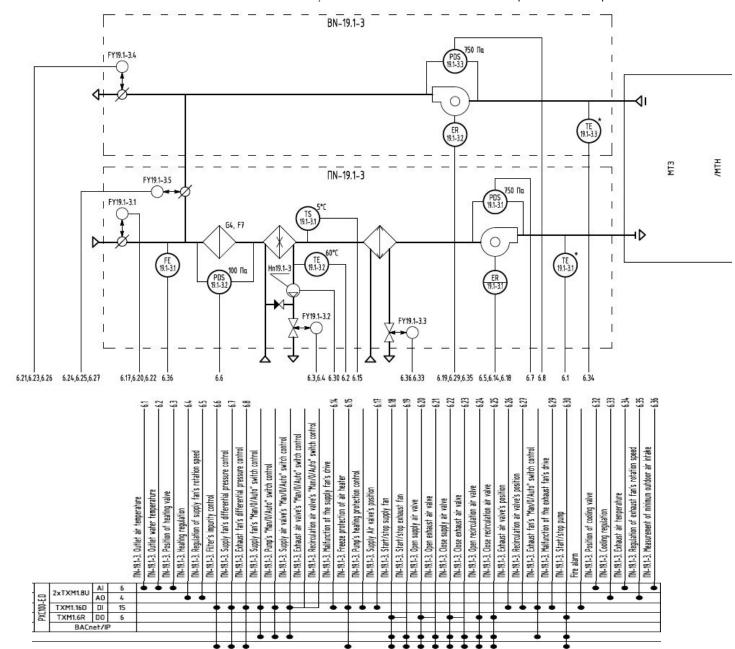
1. Please try to explain the difference between Differential pressure control valve for Flow and Differential pressure control valve for Pressure.



Differential pressure control valve for Pressure

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Item for comparison	Differential pressure control valve for Flow	Differential pressure control valve for Pressure	Remarks



2. Below is the constant air volume air handling unit. What kinds of sensors, controller and Points should be added if the VAV unit installed indoors? Also, What is the additional sequence of operation such as control logic?

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Draw automatic schematic diagram of VAV type AHU, describe above requirement.

3. When selecting size of automatic control valve, what kinds of factor do you need to consider on specification of valve.

Please describe each of the factors and Closed off rating, definition of CV and $\Delta P?$

Make sample of valve schedule, describe above requirement.

4. Please describe installation condition of FMS(Flow Measure Station), Flowmeter and BTU ?

FMS(Flow Measure Station) installation

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Flowmeter, BTU Installation

Installation of flowmeter(Magnetic
type)

5. To hand over to client successfully, describe order from construction to commissioning regarding BMS include

Mechanical and Electrical part?

Make order of construction, commissioning through fish-bone diagram, describe above requirement.

6. Please describe how to predict building cooling and heating load aspect of automatic control?

Draw automatic schematic diagram, describe monitoring method of predicting building cooling and heating load.