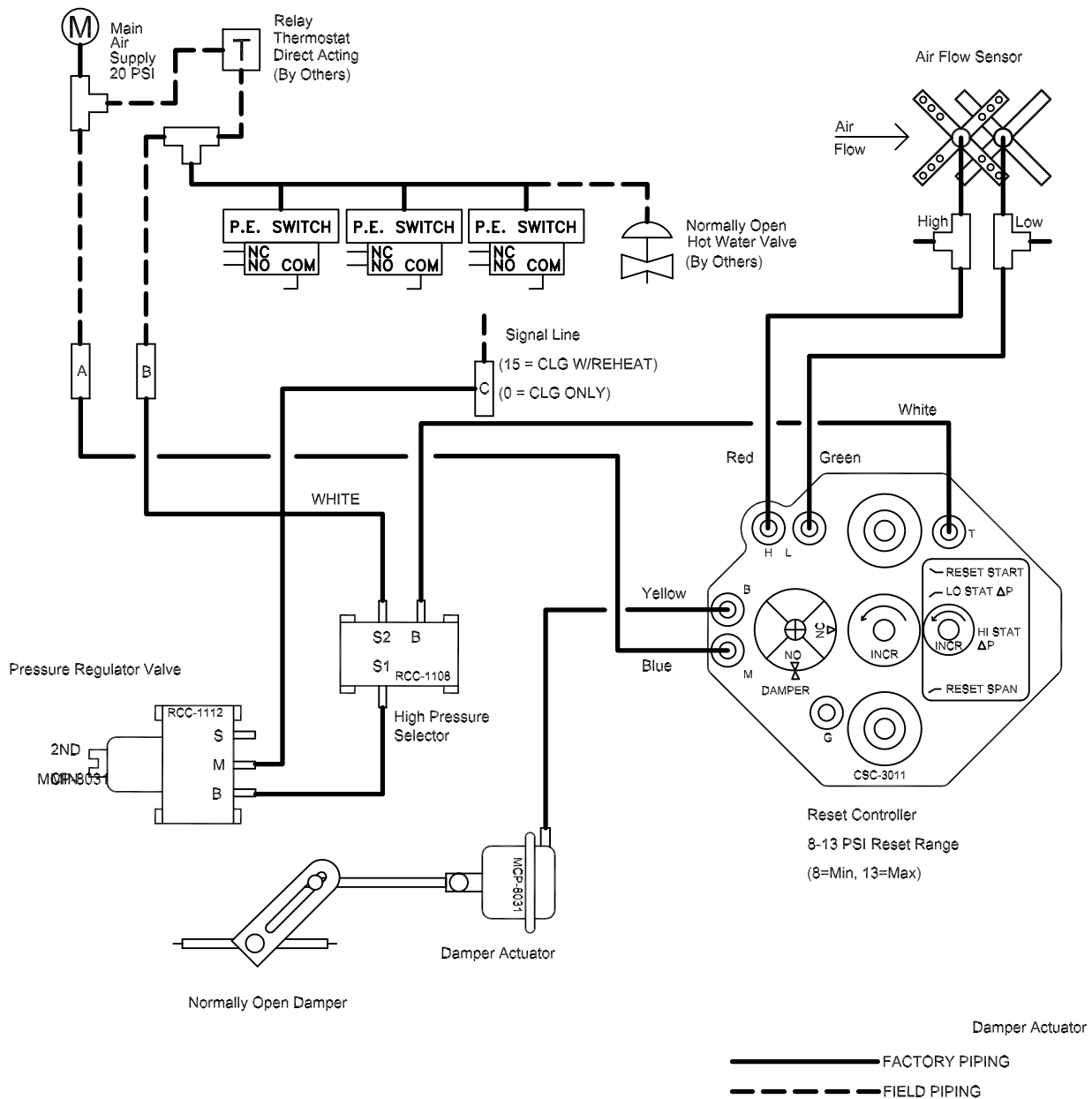




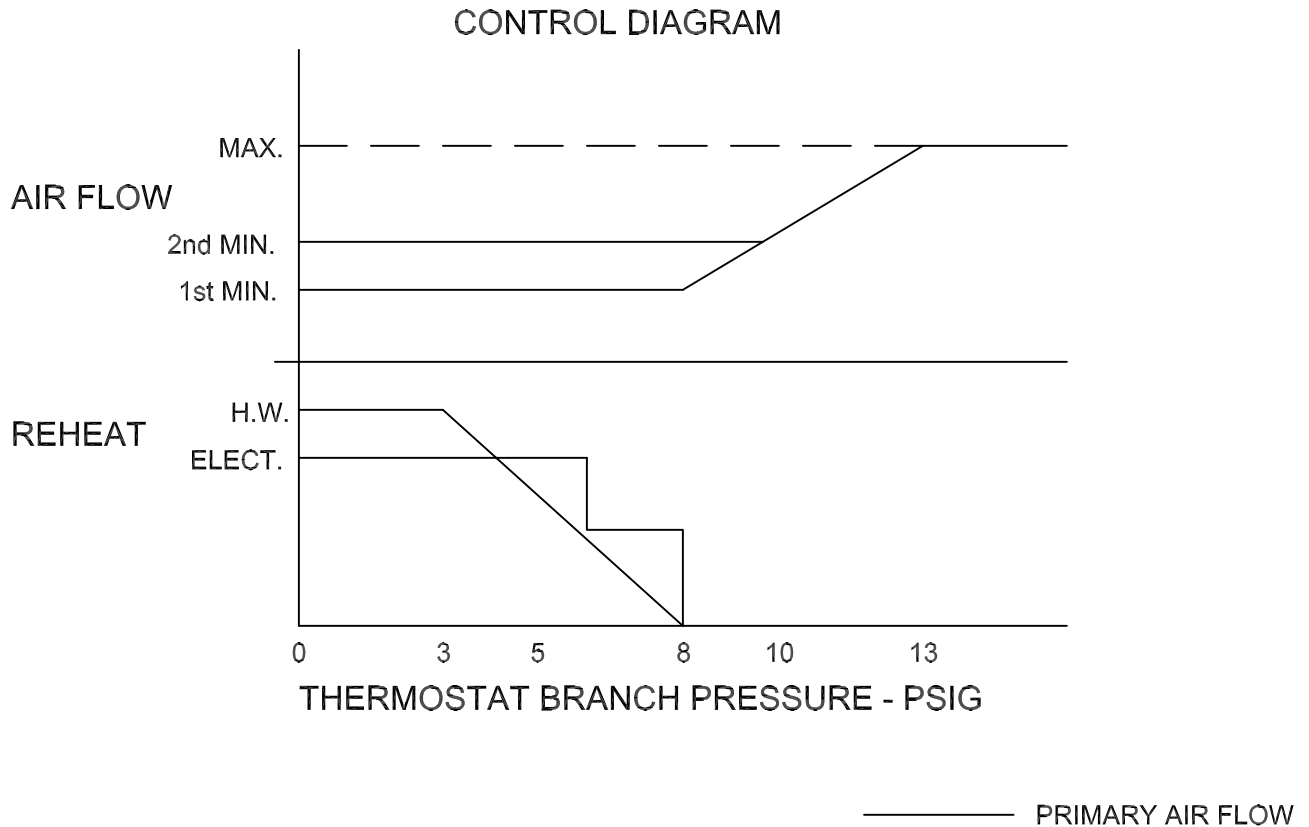
NOTES:

1. DAMPER FAILS NORMALLY OPEN.
2. MAIN AIR SUPPLY CONSUMPTION IS 0.027 SCFM AT 20 PSIG.
3. 2ND MINIMUM MUST BE SET >8 AND <13 PSIG.

Job: _____
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 Architect: _____
 Engineer: _____
 Contractor: _____

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SDV SINGLE DUCT VAV
 PNEUMATIC CONTROLS
 Direct Acting - Normally Open
 Dual Minimum - Separate Signal



SEQUENCE OF OPERATION

1.) COOLING ONLY (SIGNAL PRESSURE - 0 PSIG)

Air flow is at 1st minimum when thermostat branch pressure is below 8 PSIG. On a rise in room temperature the thermostat branch pressure increases to 13 PSIG and air flow increases to maximum. The reverse will occur, with a drop in room temperature.

2.) COOLING WITH REHEAT (SIGNAL - 15+ PSIG)

Primary air flow is at the 2nd minimum and the reheat is energized when thermostat branch pressure is 3-8 PSIG. As room temperature increases reheat is sequenced off. With a further rise in room temperature the thermostat branch pressure increases to 13 PSIG and airflow increases to maximum. The Reverse will occur with a drop in room temperature.

NOTE: Optional reheat control requires a normally open hot water valve or normally closed P/E valve.

3.) Damper fails open with loss of pneumatic air.

4.) The 2nd minimum air flow must be higher than the 1st minimum.

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