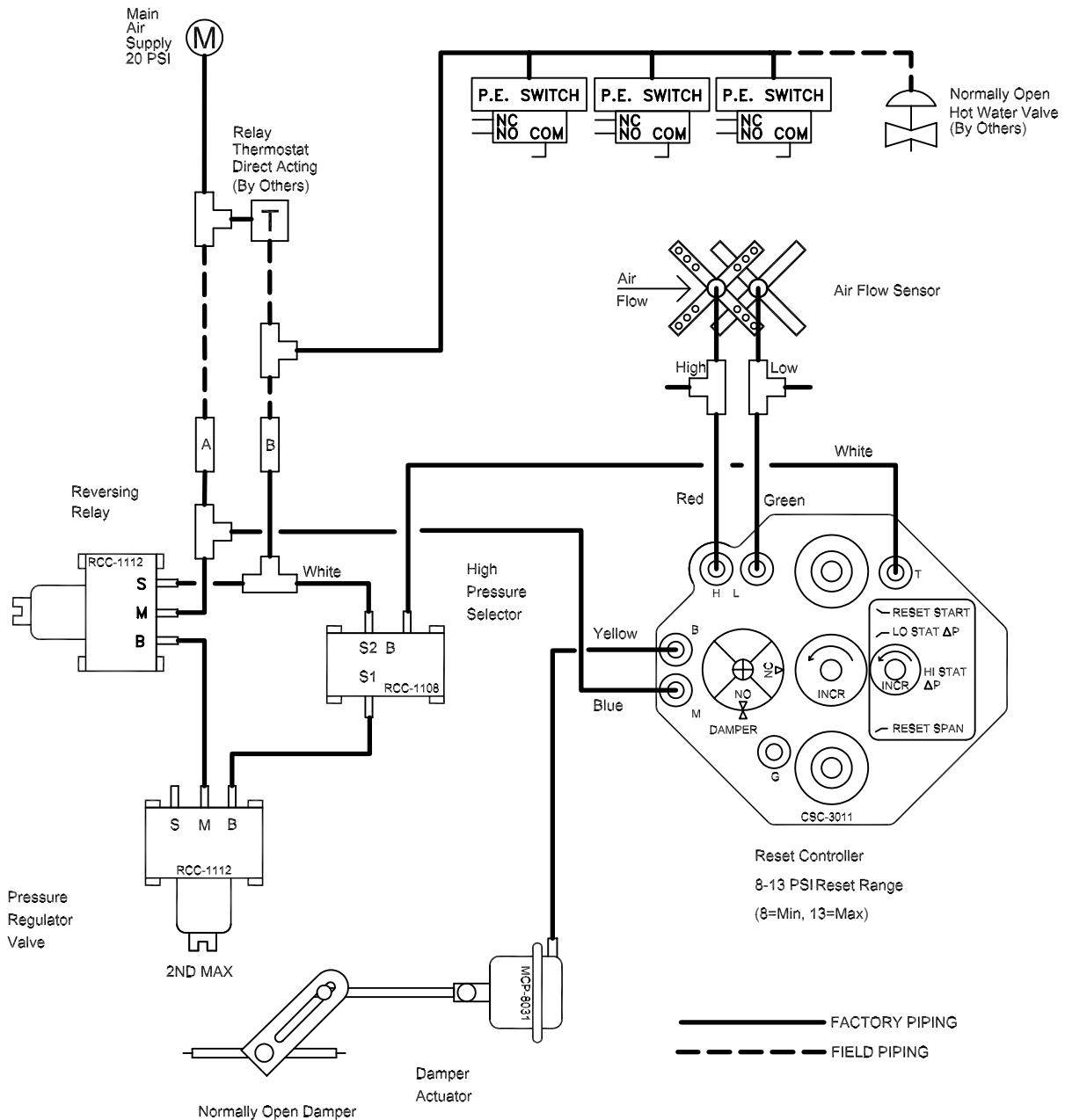




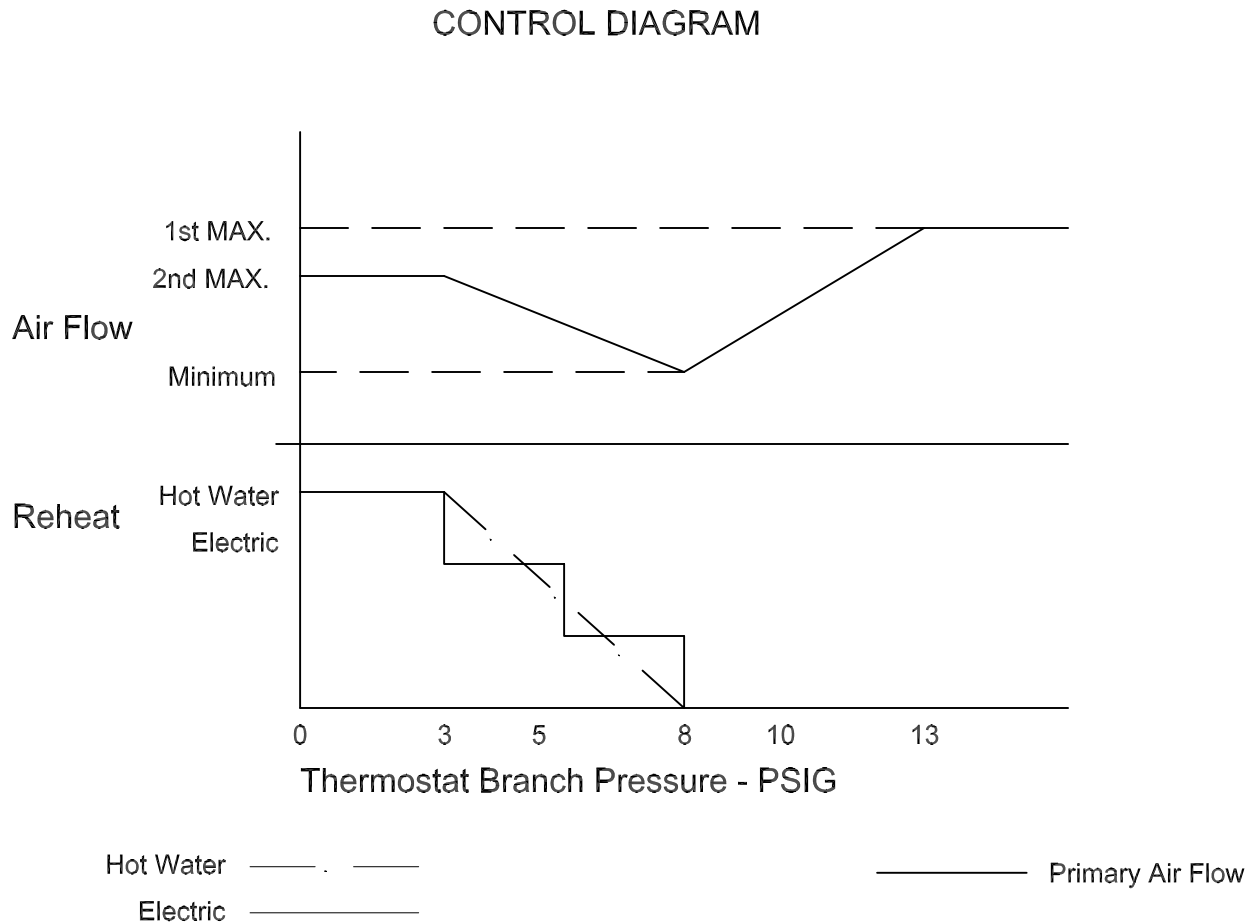
NOTES:

1. DAMPER FAILS NORMALLY OPEN.
2. MAIN AIR SUPPLY CONSUMPTION IS 0.037 SCFM AT 20 PSIG.
3. 2ND MAXIMUM MUST BE SET >8 AND <13 PSIG.

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

Tag: _____
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CD-1201 10/06/2006

SDV SINGLE DUCT VAV
PNEUMATIC CONTROLS
Direct Acting - Normally Open
Dual Maximum - Cooling with Reheat



SEQUENCE OF OPERATION

1.) COOLING WITH REHEAT

Primary air flow is at the 2nd maximum and the reheat is energized when thermostat branch pressure is less than 3 PSIG. As room temperature increases, thermostat branch pressure increases to 8 PSIG, and the second maximum decreases to minimum as reheat is sequenced off. A further rise in room temperature increases the thermostat branch pressure to 13 PSIG and increases airflow to cooling 1st maximum. With a drop in room temperature, the revers will occur.

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

- 2.) Damper fails open with loss of pneumatic air.
- 3.) The 2nd maximum air flow must be lower than the 1st maximum.
- 4.) Heating availability is required at all times.

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

Tag: _____
 Submitted by: _____

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