

HRV AIRFLOW ADJUSTMENTS

W-4A

line #

1. EQUIPMENT

Make: _____

Model: _____

2. LOW TEMPERATURE CORRECTION

Temperature Zone (note 1) _____ 401

Low Temperature Ventilation Reduction (note 2) _____ 402

Low Temperature Adjustment Factor (note 3) _____ 403

x times

Total Ventilation Capacity (TVC from W-2) _____ cfm 404

= equals

Low Temperature Corrected Ventilation Rate _____ **cfm** 405

Notes:

1. from map in the "Tables and Charts" section of the HRAI ventilation manual
2. lowest of supply or exhaust from HRV/ERV manufacturer spec sheet
3. from table in the "Tables and Charts" section of the HRAI ventilation manual

3. AIRFLOW ADJUSTMENT FACTOR

Design Gross Supply Airflow (note 1) _____ cfm 406

- minus

Net Supply Airflow _____ cfm

+ plus

Low Temperature Corrected Ventilation Rate (405) _____ cfm

= equals

Adjusted Design Gross Supply Airflow _____ **cfm** 406A

Adjusted Design Gross Supply Airflow (406A) _____ cfm

÷ divide by

Total Ventilation Capacity (404) _____ cfm

= equals

Airflow Adjustment Factor _____ 407

Notes:

- 1) the GROSS SUPPLY AIRFLOW from HRV/ERV manufacturer spec sheet which corresponds to the lowest NET SUPPLY AIRFLOW that meets or exceeds the corresponding corrected ventilation rate from line 405

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