

**IMBALANCE @ TVCC (Total Ventilation Capacity Condition)
for systems with more exhaust than supply @ TVCC**

**W-3A
line #**

1. FLOOR AREA Total Floor Area _____ ft² 301
(total heated floor area including basement; count crawl space at 1/2 actual area)

2. ASSUMED AIR CHANGES PER HOUR AT 50 PASCALS

Tight R-2000	0.5 ACH	Typical R-2000	1.0 ACH	Prairies/North (new)	1.0 ACH	
Atlantic (new)	1.5 ACH	Other provinces (new)	1.4 ACH	Older homes	2.5 ACH	
or actual test	_____				House ACH50	_____

302

3. COMBUSTION APPLIANCE DEPRESSURIZATION LIMIT

If spillage susceptible, = -5pa. flow factor = 0.022 Depressurization Limit @ TVCC _____ pa 303

If non-spillage susceptible, = -10pa flow factor = 0.037

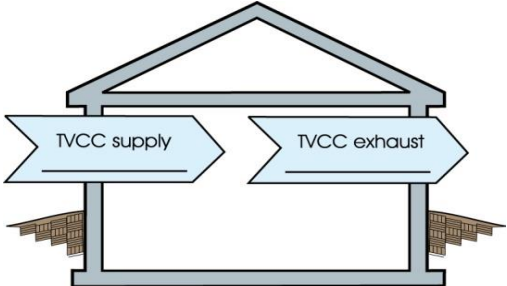
Flow Factor _____ 304

4. ALLOWABLE NET EXHAUST

Floor Area (301) _____ ft² x ACH50 (302) _____ x Flow Factor (304) _____ = _____ 305

Allowable Net Exhaust @ TVCC _____ cfm

5. ACTUAL NET EXHAUST



TVCC Exhaust _____ cfm 306

- minus

TVCC Supply _____ cfm 307

= equals

Actual Net Exhaust @ TVCC _____ cfm 308

Note: If supply is greater than exhaust, use worksheet #W-3B

6. REQUIRED MAKE-UP AIR FLOW

Note:
If **Actual** Net Exhaust is **less** than **Allowable** Net Exhaust **no action** is required.

Actual Net Exhaust @ TVCC (line 308) _____ cfm

- minus

Allowable Net Exhaust @ TVCC (line 305) _____ cfm

= equals

Required Make-Up Airflow @ TVCC _____ cfm 309

At Depressurization Limit (line 303) _____ Pa

7. DESCRIPTION OF MAKE-UP AIR SYSTEM

8. ON-SITE DEPRESSURIZATION TEST Required Not Required 310

Prepared By:	HRAI #:	Location:
Signature:	Date:	Official Use:

