



BHAMANI, FORD & ASSOCIATES, INC.
CONSULTING ENGINEERS & PLANNERS

January 12, 2008

Florida Building Commission
c/o Paula Ford, Agency Clerk
Florida Department of Community Affairs
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**Re: Petition for Declaratory Statements
from the Florida Building Commission**

**Re: Section 402.2
Ventilation Area Required, 402.1 Natural Ventilation and
Table 403.3, Required Outdoor Ventilation Air
2004 Florida Building Code
Mechanical**

I am a designer and use the mechanical code and we are going to work on a project that is a retail space and has a 1250 SF warehouse as a part of the space and need a formal interpretation for the above referenced code sections.

1. **Page 4.1 Section 402.1 Natural ventilation.** Natural ventilation of an occupied space shall be through windows, doors, louvers or other openings to the outdoors. The operating mechanism for such openings shall be provided with ready access so that the openings are readily controllable by the building occupants.

402.2 Ventilation area required. The minimum openable area to the outdoors shall be 4 percent of the floor area being ventilated.

Example: Floor area of warehouse space for a retail store is 1250 S.F. x .04 % = 50 S.F.

Amendment
02/09 - DEC - 009
EB0004228
FILING AND ACKNOWLEDGEMENT
FILED, on this date, with the designated
Clerk, receipt of which is hereby
acknowledged.

Paula P. Ford
Paula P. Ford
Commission Clerk

1/21/09
Date

An over head door is 10' x 16' = 160 S.F., therefore no mechanical ventilation to bring outside air to the storage area is required, or no additional louvers in the exterior wall are required because 50.0 S.F. is less than 160 S.F.

Does this comply with the intent of section 402.2 Ventilation Area Required?

2. **Page 4.4 Table 403.3 Required Outdoor Ventilation Air.** Retail stores, sales floors, and show room floors; warehouse .05 CFM/FT²

Example: 1250 S.F. x .05 CFM/S.F. = 62.5 CFM.

If there are no windows or doors to the outside then mechanical ventilation of 62.5 CFM minimum would be required for this un-air conditioned space.

Does this comply with the intent of Table 403.3 Required Outdoor Ventilation Air?

3. Please find attached an interpretation from the International Code.

Sincerely,
Bhamani Ford & Assoc. Inc



Thomas H. Ford RA
Florida Registration # 8401