

# CODE SUMMARY

189 WILLISTON NB & SB: BOCA 87/NFPA 101 - 94 Code Summary - October 28, 1999

## OCCUPANCY/BOCANFPA:

Business Occupancy/BOCA 87 - Use Group BM/NFPA 101 - 94 Chapter 26  
(Confirmed J. Vergha, 2/19/94)  
BOCA 87 503.1 "... transaction of business, or other services involving stocks or goods... in limited quantities for use incidental to office uses, or similar purposes."

NFPA 4-418 "... used for the transaction of business... include entry halls, (vertical) offices, town halls."

These buildings are information and hotel facilities which are utilized to assist travelers with bathroom needs, questions, problems, obtaining information and other services. They are similar to travel agencies, which are defined as "travel agency, They clearly fall within the main of Business rather than Assembly occupancy which is defined as "deliberation, worship, entertainment, eating, drinking, amusement or swimming transportation."

## Assembly Occupancy/Boisler:

Information Room less fixed display, staff and corridor as per NFPA 101 - 1994 8-1.7.1.

670 net sf @ 15 sf per person = 45 plus 2 staff = 47 < 50 OK

Therefore, the main room does not cross Assembly occupancy threshold and is within the overall Business classification.

## HEIGHT/AREA:

5B Unprotected - BOCA Table 501

B - Business: 7,200 sf, 2 St. 3'7" Allowed

4,281 enclosed + 350 porch = 4,631 sf < 7,200 OK

1 story, 24' (mean gable) < 28 sf 30 OK

## HEIGHT & AREA MODIFICATIONS:

Not Required

## FIRE RESISTANCE RATINGS:

5B Unprotected - BOCA Table 401

Exterior Walls - Load Bearing - 0 hr. (806.2 > 10' - 0 hr.)

Fire Separation Assemblies - Not required

Exit Access Corridors - Not required

Interior Structural members - 0 hr

## NFPA 101 - CHAPTER 26:

New Business Occupancies

26 - 1.5.1 Hazard of Contents - Ordinary Hazard

26 - 1.7 Occupant Load (Actual) Information:

670 net sf @ 15 sf per person = 45

Old Staff = 2

Female Staff = 37

Verifiable = 150 net @ 15 = 10

TOTAL = 66

26 - 2.3.3 Corridor Width, 3' - 6' minimum width

26 - 2.4 Number of Exit Exception 1:

Typically two exits are required but there is an exception for occupant loads in a room or area less than 100, with a total travel distance not over 100'. A single exit is permitted.

Total Occupant Load 66 - 100 OK

Total Distance 66 < 100 OK

Therefore a single exit permitted. Note that an informal second exit through staff areas does exist, but we are not calling it a formal part of our existing requirements since it is not required.

26 - 2.8 Illumination of Means Of Egress:

Refer to Section 5 - 8 - 1 footnote required:

English hours - sufficient natural light is available to exceed minimum - Calculations by fluid show requirement exceeded.

26 - 2.9 Emergency Lighting

Required if:

1. 2 or more stories in height from level of exit discharge

2. 2 or more stories in height above level of exit discharge

3. Total occupancy of more than 300

We do not fall under any of these categories therefore emergency lighting is not required, however, we have decided to provide it in the interest of greater safety.

26 - 2.10 Marking of Means of Egress:

Refer to Section 5 - 10:

5 - 10.1.2. Main Exterior exit doors that obviously and clearly are identifiable as exits are an exception to requirement that means of egress detail be marked

4.5 - 10.1.2. Where a main entrance also serves as an exit, it will usually be sufficiently obvious so that no exit sign is needed.

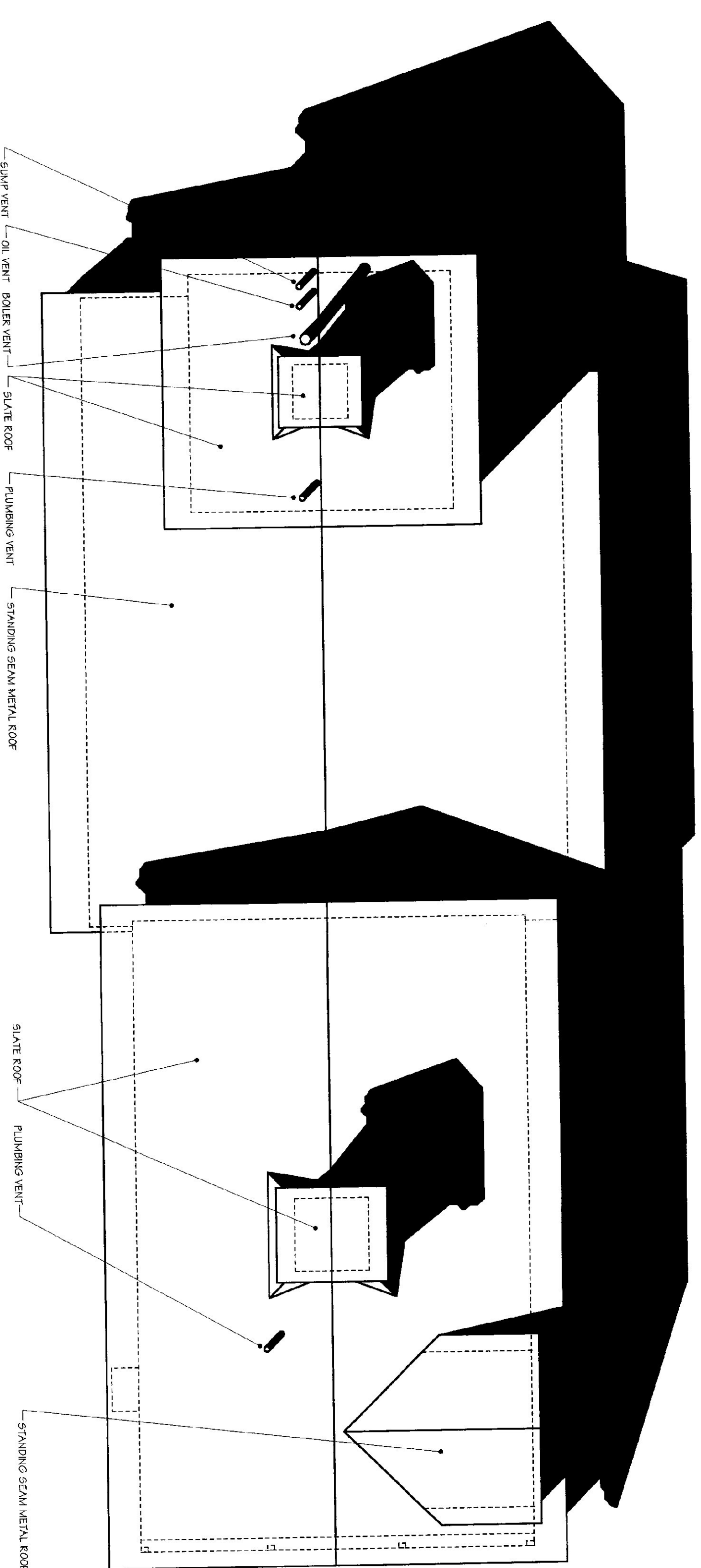
Therefore we consider the main door and vestibule door to be sufficiently obvious so no signage required. We are installing a sign directly outside of the bathroom where from the service doors and doors in order to make the path of travel clear.

26 - 3.4 Detection, Alarm & Com Systems:

Same conditions as emergency lighting, therefore not required, however the Owner has elected to provide a system with detection and manual pull stations.

## SUMMARY:

The project exceeds code requirements by virtue of providing emergency lighting and an alarm detection system when they are not required by BOCANFPA.



## ROOF PLAN

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