BUILDING EVALUATION SUMMARY *(Table 3408.7)*

Existing use group _____ Proposed use group _____
Year building was constructed _____ Number of stories _____ Height in feet _____
Type of construction _____ Area per floor _____
Percentage of open perimeter _____% Percentage of height reduction _____%
Completely suppressed: Yes _____ No _____ Corridor wall rating _____
Compartmentation: Yes _____ No _____ Required door closers: Yes _____ No _____
Fireresistance rating of vertical opening enclosures _____ serving number of floors _____
Type of HVAC system _____ ype and location _____
Automatic fire detection: Yes _____ N o _____
Fire alarm system: Yes _____ No _____, type _____
Smoke control: Yes _____ No _____, type _____
Adequate exit routes: Yes _____ No _____ Dead ends: Yes _____ No _____
Maximum exit access travel distance _____ Elevator controls: Yes _____ No _____
Means of egress emergency lighting: Yes _____ No _____ Mixed use groups: Yes _____ No _____

Safety parameters	Fire safety (FS)	Means (ME)	General safety (GS)
3408.6.1 Building height			
3408.6.2 Building area			
3408.6.3 Compartmentation			
3408.6.4 Tenant and dwelling unit separation			
3408.6.5 Corridor walls			
3408.6.6 Vertical openings			
3408.6.7 HVAC systems			
3408.6.8 Automatic fire detection			
3408.6.9 Fire alarm system			
3408.6.10 Smoke control			
3408.6.11 Means of egress			
3408.6.12 Dead ends			
3408.6.13 Max. exit access travel distance	****		
3408.6.14 Elevator control			
3408.6.15 Means of egress emergency lighting	****		
3408.6.16 Mixed use groups		****	
3408.6.17 Sprinklers		÷ 2 =	
3408.6.18 Specific occupancy area protection			
Building score — total value			

**** No applicable value to be inserted.

BUILDING SAFETY EVALUATION SCORE *(Table 3408.9)*

Formula	Table 3408.7	Table 3408.8	Score	Pass	Fail
S-MFS ≥ 0	_____ (FS)	- _____		_____	_____
S-MME ≥ 0	_____ (ME)	- _____		_____	_____
S-MGS ≥ 0	_____ (GS)	- _____		_____	_____

FS = Fire Safety MF
ME = Means of Egress MM
GS = General Safety MG Mandatory General Safety

FOUNDATION ON PERMIT 04/295

FOUND. 173,000

BOCA®
NATIONAL BUILDING CODE/1999
PLAN REVIEW RECORD

F= 04/295

Valuation: _____ Plan Review # _____

Fee: FOUNDATION 1578 Date: 9/17/04

JURISDICTION PORTLAND (City, County, Township, etc.)

BUILDING LOCATION 779 RIVERSIDE ST (Street address)

BUILDING DESCRIPTION 36129 SQ FT. HANNAFORD RETAIL GROCER

REVIEWED BY M. NUGENT

Numerals indicated in parenthesis are applicable code sections of the 1999 *BOCA National Building Code*. The plan review accomplished as indicated in this record is limited to those code sections specifically identified herein. This record references commonly applicable code sections. It does not reference all code provisions which may be applicable to specific buildings. This record is designed to be used only by those who are knowledgeable and capable of exercising competent judgement in evaluating construction documents for code compliance.

CORRECTION LIST

No.	DESCRIPTION	Code Section
—	9/16 NEED FOLLOW UP LETTERS FROM HALEY + ALDRICH - RECD 9/17/04	

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STEEL (Chapter 22)

_____ Structural steel design/construction standard specified *(2203.1, 2203.2)*

_____ Shop drawing preparation specified *(2203.4)*

_____ Open-web steel joist design/construction standard specified *(2205.1)*

_____ Formed steel design/construction standard specified *(2206.1)*

_____ Formed steel member identification *(2206.6)*

_____ Lateral resistance — steel stud walls *(2211.0)*

WOOD (Chapter 23)

_____ Installation inspections *(2301.2)*

_____ Design/construction standard specified *(2303.1)*

_____ Grade mark specified *(2303.2)*

HEAVY TIMBER CONSTRUCTION

_____ Minimum dimensions *(605.1, 2304.0)*

_____ Design/construction standard specified *(2304.1)*

WOOD FRAME CONSTRUCTION

_____ Fastening and construction details *(2305.0, Table 2305.2)*

_____ Wind bracing design required *(2305.7)*

_____ Seismic bracing *(2305.8)*

_____ Foundation anchorage *(2305.17)*

_____ Seismic requirements *(2306.0)*

_____ Wood structural panels *(2306.0)*

_____ Particleboard *(2308.0)*

_____ Hardboard *(2309.0)*

_____ Preretardant treated wood *(2310.0)*

_____ Decay and termite protection *(2311.0)*

_____ Joist hangers *(2312.0)*

_____ Prefabricated components *(2313.1 2313.2)*

_____ Metal-plate-connected trusses *(2313.3.1, 2313.3.2)*

NONSTRUCTURAL MATERIALS (Chapters 24, 25, 26)

GLASS AND GLAZING (Chapter 24)

_____ Design loads *(2404.0)*

_____ Skylights *(2405.0)*

_____ Safety glazing *(2405.0, 2406.0, 2407.0)*

GYPSUM BOARD AND PLASTER (Chapter 25)

_____ Gypsum board materials *(2503.0, Table 2503.2, Table 2503.3)*

_____ Plaster *(2504.0, 2505.0, 2506.0)*

PLASTIC (Chapter 26)

_____ Approved materials *(2601.2)*

_____ Identification *(2601.4)*

_____ Interior trim *(2603.7)*

_____ Alternative approval *(2603.9)*

FOAM PLASTIC *(2603.0)*

_____ Labeling *(2603.2)*

_____ Surface-burning characteristics *(2603.3)*

_____ Thermal barrier *(2603.4)*

_____ Exterior walls *(2603.5, 2603.6)*

CORRECTION LIST (cont'd.)

No.	DESCRIPTION	Code Section

ROOFS AND ROOF STRUCTURES (Chapter 15)

_____ Performance requirements *(1505.0)*

_____ Fire classification *(1506.0)*

_____ Steep-slope roof coverings *(1507.4)*

_____ Low-slope roof coverings *(1507.5)*

_____ Flashing *(1508.0)*

_____ Roof structures *(1510.0)*

STRUCTURAL SYSTEMS (Chapters 16, 17, 18)

STRUCTURAL LOADS (Chapter 16)

DESIGN LOADS ON CONSTRUCTION DOCUMENTS *(1603.1)*

Uniformly distributed floor live loads *(1603.2, 1606.0)*

Floor Area Use	Loads Shown

_____ Live load reduction *(1603.2, 16 7)*

_____ Roof live loads *(1603.3, 1607.0)*

(1603.4, 1608.0)

_____ Ground snow load, P_g *(1608.2)*

_____ If P_g > 10 psf, flat-roof snow load, P_f *(1608.3)*

_____ If P_g > 10 psf, snow exposure factor, C_e *(Table 1608.3.1)*

_____ If P_g > 10 psf, roof thermal factor *(Table 1608.3.2)*

_____ *If* P_g > 10 psf, snow load importance factor, *I (Table 1608.3.3)*

_____ Sloped roof snow load, P_s *(1608.4)*

W *(1609.5, 1609.0)*

_____ Basic wind speed *(1609.1)*

_____ Wind exposure category *(1609.4)*

_____ Wind importance factor, *I (Table 1609.5)*

_____ Internal pressure coefficient *(Table 1609.7[6])*

_____ Wind design pressure, *P (1609.7)*

Earthquake loads *(1603.6, 1610.0)*

_____ Peak velocity-related acceleration, A_v *(1610.1.3)*

_____ Peak acceleration, A_a *(1610.1.3)*

_____ Seismic hazard exposure group *(1610.1.5)*

_____ Seismic performance category *(1610.1.7)*

_____ Soil-profile type *(Table 1610.3.1)*

_____ Basic structural system and seismic-resisting system *(Table 1610.3.3)*

_____ Response modification factor, *R*, and deflection amplification factor, C_d *(Table 1610.3.3)*

_____ Analysis procedure *(1610.4, 1610.5)*

Other loads

_____ Attic load *(1606.2.2, 1606.2.3)*

_____ Partition loads *(1606.2.4)*

_____ Concentrated loads *(1606.3)*

_____ Impact loads *(1606.6)*

_____ Misc. loads *(1606.4, 1606.8, 1606.9, 1607.5, 1612.0)*

STRUCTURAL DESIGN CALCULATIONS

_____ Submitted for all structural members *(107.7)*

NOTES: N.R. — Not required
N.A. — Not applicable

ADMINISTRATION (Chapter 1)

_____ Complete construction documents *(107.5, 107.6, 107.7)*

_____ Signed/sealed construction documents *(107.7, 114.1)*

BUILDING PLANNING (Chapters 3, 4, 5, 6)

USE OR OCCUPANCY CLASSIFICATION (302-313)

✓ Single Use Group

_____ Mixed Use Groups

_____ Specific occupancy areas *(302.1.1)*

_____ Accessory areas *(302.1.2)*

GENERAL BUILDING LIMITATIONS (Chapters 5 & 6)

Apply Case 1 to determine the allowable height and area and permitted types of construction for a building containing a single use group or nonseparated mixed use groups. Apply Case 2 to determine the allowable height and area and permitted types of construction for a building containing separated mixed use groups.

MODIFICATIONS TO TABLE 503

% of Allowable tabular area *(Table 503)* 100%

% Reduction for height *(Table 506.4)* – 0 %

% Increase for open perimeter *(506.2)* + 150%

% Increase for automatic sprinklers *(506.3)* + 200%

Total percentage factor = 4.5%

Conversion factor 4.5 x 9600
(Total percentage factor/100%)

Open perimeter *(506.2)*	North	East	South	West

Open perim. _____ ft. Perimeter _____ ft.

% Open perimeter = _____
(Open perim./perim.) x 100%

% Tab. area increase = _____
(506.2) *2x(% Open perim. -25%)*

CASE 1 — SINGLE USE OR NONSEPARATED MIXED USE GROUPS *(313.1.1)*

Using Table 503, identify the allowable height and area of the single use group or the most restrictive of the nonseparated mixed use groups. Construction types that provide an allowable tabular area equal to or greater than the adjusted floor area and allowable heights (as modified by Section 504.0) equal to or greater than the actual building height are permitted.

Actual floor area 36,029 ft.^{2} Actual building height 35 feet 1 stories

Adjusted floor area* 43,200 ft.^{2} Allowable building height 50 feet 3 stories

*Adjusted floor area = actual floor area/conversion factor

Permitted types of construction ALL BUT 5B Type of construction assumed for review *(602.3)* 2C

OCCUPANT NEEDS (Chapters 10, 11, 12)

MEANS OF EGRESS (Chapter 10)

OCCUPANT LOAD *(1008.0 and Table 1008.1.2)*

Location	Floor Area ÷	Sq.ft./ person =	Occt. load	Other occt. loads	Total

CAPACITY OF EGRESS COMPONENTS *(1009.0 and Table 1009.2)*

Egress width (inch/occupant)

Stairways ______

Doors/ramps/corridors ______

PACITY

Location	Stairways	Doors/ramps corridors

NUMBER OF EXITS *(1010.0)*

Location	Required	Shown

ATRIUMS

______ Automatic sprinkler system *(404.2)*

______ Occupancy *(404.3)*

______ Smoke control *(404.4)*

______ Enclosure *(404.5)*

______ Fire alarm system *(404.6)*

______ Travel distance *(404.7)*

OTHER SPECIAL USE AND OCCUPANCY

______ Underground structures *(405.0)*

______ Open parking structures *(406.0)*

______ Public garages *(408.0)*

______ Use Group I-2 *(409.0)*

______ Use Group I-3 *(410.0)*

______ Stages and platforms *(412.0)*

______ Special amusement buildings *(413.0)*

______ HPM facilities *(416.0)*

______ Hazardous materials *(307.8, 417.0)*

______ Use Groups H-1, H-2, H-3 and H-4 *(418.0)*

______ Swimming pools *(421.0)*

FIRE PROTECTION (Chapters 6, 7, 8, 9)

FIRERESISTANT MATERIALS AND CONSTRUCTION (Chapter 7 and Table 602)

Note: Entry in ☐ indicates required rating in hours. NC indicates noncombustible construction required.

COMBUSTIBILITY *(603.0, 604.0, 605.0, 606.0)*

______ Exterior walls

______ Interior elements

______ Roof

CONSTRUCTION DOCUMENTS *(703.0)*

______ Fire tests *(704.0)*

EXTERIOR WALLS *(507.2, 705.0, 716.6)*

	North	East	South	West
Fire separation distance	______			
Loadbearing	☐ __	☐ __	☐ __	☐ __
Nonloadbearing	☐ __	☐ __	☐ __	☐ __

☐ ______ Exterior opening protectives *(705.3, 706.0)*

☐ _ Continuity of exterior walls *(705.6)*

FIRE SEPARATION ASSEMBLIES

☐ ______ Exit enclosures *(709.0, 710.0, 1014.11)*

☐ ______ Other shafts *(709.0, 710.0)*

☐ ______ Mixed use and fire area separations *(313.1.2)*

☐ ______ Other separation assemblies *(302.1.1. Table 602)*

FIRE PARTITIONS

☐ ______ Exit access corridors *(711.0,1011.4)*

☐ ______ Tenant separations *(711.0)*

☐ ______ Dwelling unit separations *(711.0)*

☐ ______ Guestroom separations *(711.0)*

OTHER FIRERESISTANT CONSTRUCTION

☐ ______ Fire and party walls *(707.0 and Table 707.1)*

☐ ______ Smoke barriers *(712.0)*

☐ ______ Nonloadbearing partitions *(Table 602)*

☐ ______ Interior loadbearing walls, columns, girders, trusses *(716.0)*

☐ ______ Supporting construction *(716.0)*

☐ ______ Floor construction *(713.0, 1006.3.1)*

☐ ______ Roof construction *(713.0, 715.0)*

______ Penetrations *(714.0)*

______ Opening protectives *(717.0, 719.0, 720.0)*

______ Fire dampers *(718.0)*

______ Fireblocking/draftstopping *(721.0)*

______ Thermal and sound-insulating materials *(723.0)*