

**City of Portland, Maine – Building or Use Permit Application** 389 Congress Street, 04101, Tel: (207) 874-8703 FAX: 874-8716

Location of Construction: 295 Forest Ave		Owner: Hunaford Assoc. Co.		Phone: 207-863-2911		Permit No: 0009-23	
Owner Address: 70 Box 1000, Portland, ME 04104		Lessee/Buyer's Name:		Phone:		Business Name:	
Contractor Name: John A. Russell Corp.		Address: 170 S. Main St., Portland, ME		Phone: 207-756-0181		Permit Issued: AUG 22 2000	
Past Use: Commercial		Proposed Use: Same		COST OF WORK: \$ 75,000.00		PERMIT FEE: \$ 74.00	
				FIRE DEPT. <input type="checkbox"/> Approved <input type="checkbox"/> Denied		INSPECTION: Deno Use Group Type 2C	
				Signature: [Signature]		Signature: [Signature]	
Proposed Project Description: Demolition of existing two story retail & office space to allow expansion for shop & save				PEDESTRIAN ACTIVITIES DISTRICT (P.A.D.)			
				Action: <input type="checkbox"/> Approved <input type="checkbox"/> Approved with Conditions <input type="checkbox"/> Denied			
Permit Taken By: Gayle				Date Applied For: August 16, 2000 GG			

- This permit application does not preclude the Applicant(s) from meeting applicable State and Federal rules.
- Building permits do not include plumbing, septic or electrical work.
- Building permits are void if work is not started within six (6) months of the date of issuance. False information may invalidate a building permit and stop all work..

\*\*\* Call Mike Costain @ 780-0595

**CERTIFICATION**

I hereby certify that I am the owner of record of the named property, or that the proposed work is authorized by the owner of record and that I have been authorized by the owner to make this application as his authorized agent and I agree to conform to all applicable laws of this jurisdiction. In addition, if a permit for work described in the application is issued, I certify that the code official's authorized representative shall have the authority to enter all areas covered by such permit at any reasonable hour to enforce the provisions of the code(s) applicable to such permit

August 16, 2000

SIGNATURE OF APPLICANT \_\_\_\_\_ ADDRESS: \_\_\_\_\_ DATE: \_\_\_\_\_ PHONE: \_\_\_\_\_

RESPONSIBLE PERSON IN CHARGE OF WORK, TITLE \_\_\_\_\_ PHONE: \_\_\_\_\_

Zone: \_\_\_\_\_ CBL: 034A -C-001

Zoning Approval:

**Special Zone or Reviews:**

Shoreland  
 Wetland  
 Flood Zone  
 Subdivision  
 Site Plan maj  minor  mm

**Zoning Appeal**

Variance  
 Miscellaneous  
 Conditional Use  
 Interpretation  
 Approved  
 Denied

**Historic Preservation**

Not in District or Landmark  
 Does Not Require Review  
 Requires Review

**Action:**

Approved  
 Approved with Conditions  
 Denied

Date: \_\_\_\_\_

CEO DISTRICT



AutoCAD digital format Final plans depicting  
the as-built condition must be filed with this  
office prior to closure.

BUILDING PERMIT REPORT

DATE: 17 AUGUST 2009 ADDRESS: 295 Forest Ave CBL: 034A-C-001

REASON FOR PERMIT: Demo- of Two story retail & office space

BUILDING OWNER: Hanna Ford Bros. CO

PERMIT APPLICANT: \_\_\_\_\_ / CONTRACTOR John A. Russell Corp.

USE GROUP: M/B CONSTRUCTION TYPE: 2C CONSTRUCTION COST: 75,000.00 PERMIT FEES: 474.00

The City's Adopted Building Code (The BOCA National Building Code/1999 with City Amendments)
The City's Adopted Mechanical Code (The BOCA National Mechanical Code/1993)

CONDITION(S) OF APPROVAL

This permit is being issued with the understanding that the following conditions shall be met: \*1, \$27, \$36, \$37, \$38

- 1. This permit does not excuse the applicant from meeting applicable State and Federal rules and laws.
2. Before concrete for foundation is placed, approvals from the Development Review Coordinator and Inspection Services must be obtained.
3. Foundation drain shall be placed around the perimeter of a foundation that consists of gravel or crushed stone containing not more than 10 percent material that passes through a No. 4 sieve.
4. Foundations anchors shall be a minimum of 1/2" in diameter, 7' into the foundation wall, minimum of 12" from corners of foundation and a maximum 6' O.C. between bolts.
5. Waterproofing and dampproofing shall be done in accordance with Section 1813.0 of the building code.
6. Precast concrete must be taken to protect concrete from freezing.
7. It is strongly recommended that a registered land surveyor check all foundation forms before concrete is placed.
8. Private garages located beneath habitable rooms in occupancies in Use Group R-1, R-2, R-3 or I-1 shall be separated from adjacent interior spaces by fire partitions and floor/ceiling assembly which are constructed with not less than 1-hour fire resisting rating.
9. All chimneys and vents shall be installed and maintained as per Chapter 12 of the City's Mechanical Code.
10. Sound transmission control in residential building shall be done in accordance with Chapter 12, Section 1214.0 of the City's Building Code.
11. Guardrails & Handrails: A guardrail system is a system of building components located near the open sides of elevated walking surfaces for the purpose of minimizing the possibility of an accidental fall from the walking surface to the lower level.
12. Headroom in habitable space is a minimum of 7'6".
13. Stair construction in Use Group R-3 & R-4 is a minimum of 10" tread and 7 3/4" maximum rise.
14. The minimum headroom in all parts of a stairway shall not be less than 80 inches.
15. Every sleeping room below the fourth story in buildings of Use Groups R and I-1 shall have at least one operable window or exterior door approved for emergency egress or rescue.
16. Each apartment shall have access to two (2) separate, remote and approved means of egress.
17. All vertical openings shall be enclosed with construction having a fire rating of at least one (1) hour, including fire doors with self closure's.
18. The boiler shall be protected by enclosing with (1) hour fire rated construction including fire doors and ceiling, or by providing automatic extinguishment.

19. All single and multiple station smoke detectors shall be of an approved type and shall be installed in accordance with the provisions of the City's Building Code Chapter 9, Section 920.3.2 (BOCA National Building Code/1999), and NFPA 101 Chapter 18 & 19. (Smoke detectors shall be installed and maintained at the following locations):

- In the immediate vicinity of bedrooms
- In all bedrooms
- In each story within a dwelling unit, including basements

20. A portable fire extinguisher shall be located as per NFPA #10. They shall bear the label of an approved agency and be of an approved type. (Section 921.0)
21. The Fire Alarm System shall be installed and maintained to NFPA #72 Standard.
22. The Sprinkler System shall be installed and maintained to NFPA #13 Standard.
23. All exit signs, lights and means of egress lighting shall be done in accordance with Chapter 10 Section & Subsections 1023.0 & 1024.0 of the City's Building Code. (The BOCA National Building Code/1999)
24. Section 25 - 135 of the Municipal Code for the City of Portland states, "No person or utility shall be granted a permit to excavate or open any street or sidewalk from the time of November 15 of each year to April 15 of the following year".
25. The builder of a facility to which Section 4594-C of the Maine State Human Rights Act Title 5 MRSA refers, shall obtain a certification from a design professional that the plans commencing construction of the facility, the builder shall submit the certification the Division of Inspection Services.
26. Ventilation and access shall meet the requirements of Chapter 12 Sections 1210.0 and 1211.0 of the City's Building Code. (Crawl spaces & attics).
27. All electrical, plumbing and HVAC permits must be obtained by Master Licensed holders of their trade. No closing in of walls until all electrical (min. 72 hours notice) and plumbing inspections have been done.
28. All requirements must be met before a final Certificate of Occupancy is issued.
29. All building elements shall meet the fastening schedule as per Table 2305.2 of the City's Building Code (The BOCA National Building Code/1996).
30. Ventilation of spaces within a building shall be done in accordance with the City's Mechanical code (The BOCA National Mechanical Code/1993). (Chapter M-16)
31. Please read and implement the attached Land Use Zoning report requirements.
32. Boring, cutting and notching shall be done in accordance with Sections 2305.3, 2305.3.1, 2305.4.4 and 2305.5.1 of the City's Building Code.
33. Bridging shall comply with Section 2305.16.
34. Glass and glazing shall meet the requirements of Chapter 24 of the building code. (Safety Glazing Section 2406.0)
35. All signage, shall be done in accordance with Section 3102.0 signs of the City's Building Code, (The BOCA National Building Code/1999).

\*36. All demos shall comply with section 110.0 with amendments and section 3310.0.

\*37. Care shall ~~shall~~ be taken in following the notes of from the design professional William J. Bissah #1026 - Reg. Arch.

38. A separate permit is required for any new construction, there shall be no reconstruction until a separate permit has been reviewed and approved

P. Samuel Holmes, Building Inspector  
Cc: M. McDougall, PFD  
Marge Schmuckal, Zoning Administrator

PSH 1/26/00

\*\*This permit is herewith issued, on the basis of plans submitted and conditions placed on these plans, any deviations shall require a separate approval.

\*\*\*THIS PERMIT HAS BEEN ISSUED WITH THE UNDERSTANDING THAT ALL THE CONDITIONS OF THE APPROVAL SHALL BE COMPLETED. THEREFORE, BEFORE THE WORK IS COMPLETED A REVISED PLAN OR STATEMENT FROM THE PERMIT HOLDER SHALL BE SUBMITTED TO THIS OFFICE SHOWING OR EXPLAINING THAT THE CONDITIONS HAVE BEEN MET. IF THIS REQUIREMENT IS NOT RECEIVED YOUR CERTIFICATE OF OCCUPANCY SHALL BE WITHHELD.

\*\*\*\*ALL PLANS THAT REQUIRE A PROFESSIONAL DESIGNER'S SEAL, (AS PER SECTION 114.0 OF THE BUILDING CODE) SHALL ALSO BE PRESENTED TO THIS DIVISION ON AUTO CAD LT. 2000, OR EQUIVALENT.

\*\*\*\*\*CERTIFICATE OF OCCUPANCY FEE \$50.00

**THIS IS NOT A PERMIT/CONSTRUCTION CANNOT COMMENCE UNTIL THE PERMIT IS ISSUED**

**Building or Use Permit Pre-Application  
Attached Single Family Dwellings/Two-Family Dwelling  
Multi-Family or Commercial Structures and Additions Thereto**

In the interest of processing your application in the quickest possible manner, please complete the information below for a Building or Use Permit.

**NOTE\*\***If you or the property owner owes real estate or personal property taxes or user charges on ANY PROPERTY within the City, payment arrangements must be made before permits of any kind are accepted.

Location/Address of Construction (include Portion of Building): <b>295 FOREST AVENUE</b>			
Total Square Footage of Proposed Structure <b>22812</b>		Square Footage of Lot	
Tax Assessor's Chart, Block & Lot Number Chart# <b>034A</b> Block# <b>C</b> Lot# <b>001</b>		Owner: <b>Hannaford Bros Co.</b>	Telephone#: <b>207-883-2911</b>
Owner's Address: <b>PO Box 1000 PORTLAND ME 04104</b>		Lessee/Buyer's Name (If Applicable)	Cost Of Work: <b>\$75,000</b> Fee <b>\$474.00</b>
Proposed Project Description: (Please be as specific as possible) <b>DEMOLITION OF EXISTING 2 STORY RETAIL AND OFFICE SPACE TO ALLOW EXPANSION OF SHOP N SAVE SUPERMARKET.</b>			
Contractor's Name, Address & Telephone <b>JOHN A KUSSELL CORP 170 S. MAIN ST. RUTLAND VT 727 780-0596</b>			Rec'd By <b>[Signature]</b>
Current Use: <b>RETAIL/OFFICE</b>		Proposed Use: <b>RETAIL</b>	

Separate permits are required for Internal & External Plumbing, HVAC and Electrical installation.

- All construction must be conducted in compliance with the 1996 B.O.C.A. Building Code as amended by Section 6-Art II.
- All plumbing must be conducted in compliance with the State of Maine Plumbing Code.
- All Electrical Installation must comply with the 1996 National Electrical Code as amended by Section 6-Art III.
- HVAC (Heating, Ventilation and Air Conditioning) installation must comply with the 1993 BOCA Mechanical Code.

You must include the following with you application:

- 1) A Copy of Your Deed or Purchase and Sale Agreement
- 2) A Copy of your Construction Contract, if available
- 3) A Plot Plan/Site Plan

*\* If available also  
submit plans on  
ADOBE OR CAD  
Format*

Minor or Major site plan review will be required for the above proposed projects. The attached checklist outlines the minimum standards for a site plan.

**4) Building Plans**

Unless exempted by State Law, construction documents must be designed by a registered design professional.

A complete set of construction drawings showing all of the following elements of construction:

- Cross Sections w/Framing details (including porches, decks w/ railings, and accessory structures)
- Floor Plans & Elevations
- Window and door schedules
- Foundation plans with required drainage and dampproofing
- Electrical and plumbing layout. Mechanical drawings for any specialized equipment such as furnaces, chimneys, gas equipment, HVAC equipment (air handling) or other types of work that may require special review must be included.

**Certification**

I hereby certify that I am the Owner of record of the named property, or that the proposed work is authorized by the owner of record and that I have been authorized by the owner to make this application as his/her authorized agent. I agree to conform to all applicable laws of this jurisdiction. In addition, if a permit for work described in this application is issued, I certify that the Code Official's authorized representative shall have the authority to enter all areas covered by this permit at any reasonable hour to enforce the provisions of the codes applicable to this permit.

Signature of applicant: <i>[Signature]</i>	Date: <b>8/10/00</b>
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Building Permit Fee: \$30.00 for the 1st \$1000. cost plus \$6.00 per \$1,000.00 construction cost thereafter.  
Additional Site review and related fees are attached on a separate addendum



*\* \* \* Call Mike Costain 780-0596*

*11/40*

**City of Portland  
Inspection Services Division  
Demolition Call List**

Site Address: 295 FOREST AVE  
Structure Type: \_\_\_\_\_

Owner: HANNAFORD BROS. CO  
Contractor: JOHN A RUSSELL CORP

<u>UTILITY APPROVALS</u>	<u>NUMBER</u>	<u>CONTACT NAME/DATE</u>
Central Maine Power	1-800-750-4000	<u>BOB SUREY 8/3/00</u>
NYNEX	878-7000	<u>TINA LEYTON 8/14/00</u>
Northern Utilities	797-8002 X6241	<u>SCOTT CARPENTER 8/3/00</u>
Portland Water District	761-8310	<u>ELAINE 8/16/00</u>
Public Cable Co.	775-3431 X257	<u>N/A</u>
Dig Safe***	1-888-344-7233	<u>ID # 18314 Job # 20003107274</u>

\*\*\*(After call, there is a wait of 72 bus hrs before digging can begin)

<u>CITY APPROVALS</u>	<u>NUMBER</u>	<u>CONTACT NAME/DATE</u>
DPW/Sewer Division(J.DiPaolo)	874-8300 X8467	<u>N/A</u>
DPW/Traffic Division(K.Doughty)	874-8300 X8437	<u>N/A</u>
DPW/Forestry Division(J.Tarling)	874-8300 X8389	<u>N/A</u>
DPW/Sealed Drain Permit(C.Merritt)	874-8300 X8822	<u>N/A</u>
Building Inspections(insp required )	874-8300 X8703	_____
Historic Preservation	874-8300 X8726	<u>N/A</u>
Fire Dispatcher	874-8300 X8676	<u>TOM BLAISTELL CAPTAIN CENTRAL FIRE STATION</u>

Written Notice to Adjoining Owners

<u>ASBESTOS</u>	<u>NUMBER</u>	<u>CONTACT NAME/DATE</u>
DEP - Environmental (Augusta)	287-2651 (Ed Antz)	<u>Portland Diversified Services / Don Hathorn</u>

U.S. EPA Region 1 - No phone call required. Just mail copy of State notification to:  
Demo/Reno Clerk  
US EPA Region I (SEA)  
JFK Federal Building  
Boston, MA 02203

I have contacted all of the necessary companies/departments as indicated above.

SIGNED: [Signature] DATE: 8/16/00

**THIS IS NOT A PERMIT/CONSTRUCTION CANNOT COMMENCE UNTIL THE PERMIT IS ISSUED**

**Building or Use Permit Pre-Application  
Attached Single Family Dwellings/Two-Family Dwelling  
Multi-Family or Commercial Structures and Additions Thereto**

In the interest of processing your application in the quickest possible manner, please complete the Information below for a Building or Use Permit.

**NOTE\*\*If you or the property owner owes real estate or personal property taxes or user charges on ANY PROPERTY within the City, payment arrangements must be made before permits of any kind are accepted.**

Location/Address of Construction (include Portion of Building): <b>295 FOREST AVE / SHOP 'N SAVE</b>			
Total Square Footage of Proposed Structure: <b>70,173</b>		Square Footage of Lot	
Tax Assessor's Chart, Block & Lot Number Chart# <b>034</b> Block# <b>A C</b> Lot# <b>001</b>		Owner: <b>Hannaford Bros Co.</b>	Telephone#: <b>207 883-2911</b>
Owner's Address: <b>PO Box 1000 Portland ME 04104</b>		Lease/Buyer's Name (If Applicable)	Cost Of Work: Fee <b>\$ 4433,785 \$ 26,638.00</b>
Proposed Project Description: (Please be as specific as possible) <b>23,000 SF addition to, and renovation of existing 47,000 SF Shop 'N Save food store.</b>			
Contractor's Name, Address & Telephone <b>John A Russell Corp PO Box 1788, Portland, ME 04104 207-780-0596</b>			Rec'd By
Current Use: <b>RETAIL</b>		Proposed Use: <b>RETAIL</b>	

Separate permits are required for Internal & External Plumbing, HVAC and Electrical installation.

- All construction must be conducted in compliance with the 1996 B.O.C.A. Building Code as amended by Section 6-Art II.
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- All Electrical Installation must comply with the 1996 National Electrical Code as amended by Section 6-Art III.
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You must Include the following with you application:

- 1) A Copy of Your Deed or Purchase and Sale Agreement
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**\* IF Available also  
Submit Plans on  
ADOBE OR CAD Format**

Minor or Major site plan review will be required for the above proposed projects. The attached checklist outlines the minimum standards for a site plan.

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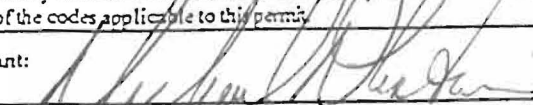
A complete set of construction drawings showing all of the following elements of construction:

- Cross Sections w/Framing details (including porches, decks w/ railings, and accessory structures)
- Floor Plans & Elevations
- Window and door schedules
- Foundation plans with required drainage and dampproofing
- Electrical and plumbing layout. Mechanical drawings for any specialized equipment such as furnaces, chimneys, gas equipment, HVAC equipment (air handling) or other types of work that may require special review must be included.

**Costume  
Call Mike at  
780-0596**

**Certification**

I hereby certify that I am the Owner of record of the named property, or that the proposed work is authorized by the owner of record and that I have been authorized by the owner to make this application as his/her authorized agent. I agree to conform to all applicable laws of this jurisdiction. In addition, if a permit for work described in this application is issued, I certify that the Code Official's authorized representative shall have the authority to enter all areas covered by this permit at any reasonable hour to enforce the provisions of the codes applicable to this permit.

Signature of applicant: 	Date: <b>11-21-00</b>
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Building Permit Fee: \$30.00 for the 1st \$1000. cost plus \$6.00 per \$1,000.00 construction cost thereafter.  
Additional Site review and related fees are attached on a separate addendum



**CITY OF PORTLAND  
BUILDING CODE CERTIFICATE  
389 Congress St., Rm 315  
Portland, ME 04101**

**TO:** Inspector of Buildings City of Portland, Maine  
Department of Planning & Urban Development  
Division of Housing & Community Service

**FROM:** David Tovey

**RE:** Certificate of Design

**DATE:** 10/5/00

These plans and/or specifications covering construction work on:

Forest Ave./Preble St. Shop 'n Save Expansion/Remodel

Have been designed and drawn up by the undersigned, a Maine registered architect/engineer according to the **BOCA National Building Code/1999 Fourteenth Edition**, and local amendments.

(SEAL)

Signature

David G. Tovey  
DAVID G. TOVEY

Title

Manager, Architecture/Engineering Design

Firm

Hannaford Bros. Co.

Address

145 Pleasant Hill Road  
Scarborough, ME 04074

As per Maine State Law:

\$50,000.00 or more in new construction, repair, expansion, addition, or modification for Building or Structures, shall be prepared by a registered design Professional.





# CITY OF PORTLAND MAINE

389 Congress St., Rm 315

Portland, ME 04101

Tel. - 207-874-8704

Fax - 207-874-8716

**TO:** Inspector of Buildings City of Portland, Maine  
Planning & Urban Development  
Division of Housing & Community Services

**FROM DESIGNER:** David Tovey

**DATE:** 10/5/00

Job Name: Shop 'n Save Expansion/Remodel

Address of Construction: Forest Ave./Preble Street

### THE BOCA NATIONAL BUILDING CODE/1999 Fourteenth EDITION

Construction project was designed according to the building code criteria listed below:

Building Code and Year B.O.C.A. 1999 Use Group Classification(s) M

Type of Construction 2C Bldg. Height 40' @ minimum Bldg. Sq. Footage 75,625

Seismic Zone Category C Group Class 1

Roof Snow Load Per Sq. Ft. 42 Dead Load Per Sq. Ft. 25

Basic Wind Speed (mph) 100 Effective Velocity Pressure Per Sq. Ft. 23

Floor Live Load Per Sq. Ft. 100

Structure has full sprinkler system? Yes  No  Alarm System? Yes  No   
Sprinkler & Alarm systems must be installed according to BOCA and NFPA Standards with approval from the Portland Fire Department.

Is structure being considered unlimited area building: Yes  No

If mixed use, what subsection of 313 is being considered \_\_\_\_\_

List Occupant loading for each room or space, designed into this Project.

SEE ARCHITECTURAL COVER SHEET

(Designers Stamp & Signature)

PSH 6/07/2K



# City of Portland, Maine

389 Congress St., Rm 315  
Portland, ME 04101

## ACCESSIBILITY CERTIFICATE

**TO:** Inspector of Buildings City of Portland, Maine  
Department of Planning & Urban Development  
Division of Housing & Community Services

**FROM:** David Tovey

**RE:** Certificate of Design, HANDICAP ACCESSIBILITY

**DATE:** 10/5/00

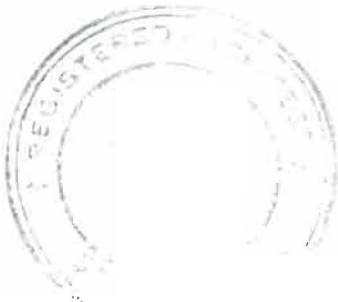
These plans and/or specifications covering construction work on:

Shop 'n Save Expansion/Remodel

Forest Avenue, Portland

Have been designed and drawn up by the undersigned, a Maine registered engineer/architect according to State Regulations as adopted by the State of Maine on Handicapped Accessibility.

(SEAL)



Signature

David Tovey

Title Manager, Architecture/Engineering Design

Firm Hannaford Bros.Co.

145 Pleasant Hill Rd.

Address Scarborough, ME 04074



ARCHITECTURE  
ENGINEERING  
PLANNING

## Fax Transmission

To: Sam Hoffses, CEO                      Fax #: 874-8716  
From: Bill Bisson                              Date: October 4, 2000  
Re: Shop 'n Save Expansion              Job #: 99098  
4 pages, including cover.

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**REMARKS:**

Sam - FYI - the attached certificates were completed per our recent conversation. Mike Costain of Russell Construction will forward the signed and sealed versions to you when he applies for the building permit.

Thanks for the help on these, Sam - it was good to talk with you again.

Cordially,

SMRT Inc.



William J. Bisson AIA  
Project Architect

cc: CC: WJB, file 22

144 Fore Street  
PO Box 618  
Portland, Maine 04104  
☎ 207 772-3846  
☎ 207 772-1070  
www.smrtinc.com

1/4



### City of Portland, Maine

389 Congress St., Rm 315  
Portland, ME 04101

## ACCESSIBILITY CERTIFICATE

TO: Inspector of Buildings City of Portland, Maine  
Department of Planning & Urban Development  
Division of Housing & Community Services

FROM: SMRT INC.

RE: Certificate of Design, HANDICAP ACCESSIBILITY

DATE: 10/04/00

To the best of my knowledge & belief,  
these plans and/or specifications covering construction work on:

Shop 'n Save Forest Ave Expansion (Exterior shell  
only)

under the supervision of  
Have been designed and drawn up ~~by~~ the undersigned, a Maine registered  
engineer/architect according to State Regulations as adopted by the State of Maine on  
Handicapped Accessibility.

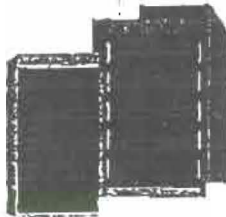
(SEAL)

Signature \_\_\_\_\_

Title Project Architect

Firm SMRT Inc.

Address 144 Jane Street, P.O. Box 618  
Portland ME, 04104



**CITY OF PORTLAND  
BUILDING CODE CERTIFICATE  
389 Congress St., Rm 315  
Portland, ME 04101**

**TO:** Inspector of Buildings City of Portland, Maine  
Department of Planning & Urban Development  
Division of Housing & Community Service

**FROM:** SMRT INC.

**RE:** Certificate of Design

**DATE:** 10/04/00

To the best of my knowledge & beliefs,  
these plans and/or specifications covering construction work on:

Shop in Save - Forest Avenue Expansion (Exterior  
shell only)

*Under the supervision of*

Have been designed and drawn up by the undersigned, a Maine registered architect/engineer according to the BOCA National Building Code/1999 Fourteenth Edition, and local amendments.

(SEAL)

Signature \_\_\_\_\_

Title Project Architect

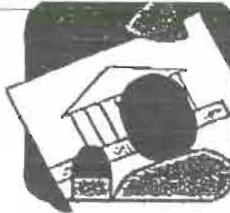
Firm SMRT Inc.

Address 144 Fore Street, P.O. Box 618  
Portland ME, 04104

As per Maine State Law:

\$50,000.00 or more in new construction, repair, expansion, addition, or modification for Building or Structures, shall be prepared by a registered design Professional.

PSH 6/20/2k



# CITY OF PORTLAND MAINE

389 Congress St., Rm 315

Portland, ME 04101

Tel. - 207-874-8704

Fax - 207-874-8716

TO: Inspector of Buildings City of Portland, Maine  
Planning & Urban Development  
Division of Housing & Community Services

FROM DESIGNER: SMRT INC.

DATE: 10/04/00

Job Name: Shop on Saxe Forest Ave. Expansion (Exterior Shell only)

Address of Construction: Forest Ave, Portland ME

*To the best of my knowledge & belief, this*

### THE BOCA NATIONAL BUILDING CODE/1999 Fourteenth EDITION

Construction project was designed according to the building code criteria listed below:

Building Code and Year BOCA '99 Use Group Classification(s) M

Type of Construction 2C Bldg. Height 40'± Bldg. Sq. Footage 70,000 ±

Hazard Exposure Group 1 Performance Category C

Seismic Zone \_\_\_\_\_ Group Class \_\_\_\_\_

Roof Snow Load Per Sq. Ft. (flat roof) 42 psf Dead Load Per Sq. Ft. 5 psf + moist weights

Basic Wind Speed (mph) 100 Effective Velocity Pressure Per Sq. Ft. 23 psf windward, 7 psf lee

Floor Live Load Per Sq. Ft. Ground flr & stairs: 100 psf, mezzanine: 80 psf.

Structure has full sprinkler system? Yes  No \_\_\_\_\_ Alarm System? Yes  No \_\_\_\_\_

Sprinkler & Alarm systems must be installed according to BOCA and NFPA Standards with approval from the Portland Fire Department.

Is structure being considered unlimited area building: Yes  No \_\_\_\_\_

If mixed use, what subsection of 313 is being considered 313.1.3 separate buildings

List Occupant loading for each room or space, designed into this Project. N/A - Exterior shell only.

(Designers Stamp & Signature)

PSH 6/07/2K

# LETTER OF TRANSMITTAL



HANNAFORD BROS. CO.  
PO BOX 1000  
PORTLAND, MAINE 04104  
Mail Sort: 6100  
(207)883-2911 FAX 885-2192  
Direct Dial (207) 885-2856  
email: ppendleton@hannaford.com

DATE: October 5, 2000

ATTN: Mike Costain

RE: Forest Ave.

TO: Mike Costain

WE ARE SENDING YOU:     Attached     Under Separate Cover    THE FOLLOWING ITEMS:  
    Submittals     Plans     Specifications     Other:

NO.	DATE	ITEM NUMBER	DESCRIPTION
1	10/5/00	2 sets Drawings	2 Sets Drawings for Forest Ave, permit sets

THESE ARE TRANSMITTED FOR YOUR ACTION AS NOTED:

For Approval                                     As Requested                                     For Review and Comment  
 For Your Use                                     For Bids Due                                     Return Prints After Use

**REMARKS**

Requested by Ewa Kozlowski-Buteau

Sent:

Hand Delivery  
 US Mail  
 Express Mail  
 Other Modem

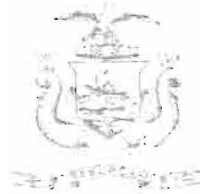
Copy to: File

Signed:  
Paula Pendleton  
Reprographics/ Documents Coordinator





AutoCAD digital format Final plans depicting  
the as-built condition must be filed with this  
office prior to closure.



**CITY OF PORTLAND**

January 4, 2001

Steve Bushey  
DeLuca-Hoffman Associates, Inc.  
778 Main Street  
Suite 8  
South Portland, ME 04106

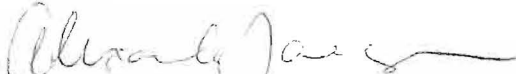
RE: 295 Forest Avenue (Job # 19990046, C-B-L 034-A-C-001)

Dear Steve:

This letter is to confirm the revision to the approved plan of the Shop 'N Save project located at 295 Forest Avenue. The approved revision includes the substitution of a Vortechmics stormwater treatment tank with a HIL Technology stormwater treatment tank. The revised plan has been reviewed and approved by the project review staff including representatives of the Planning, Public Works, Building Inspections, Fire and Parks Departments.

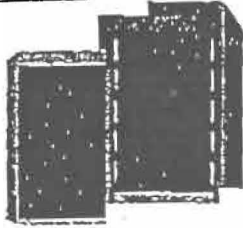
If you have any questions regarding the revision please contact the planning staff at 874-8901

Sincerely,

  
Alexander Jaegerman  
Chief Planner

cc: Kandice Talbot, Planner  
P. Samuel Hoffses, Building Inspector  
Jeff Tarling, City Arborist  
William Bray, Director of Public Works  
Tony Lombardo, Project Engineer  
Lt. Gaylen McDougall, Fire Prevention  
Penny Littell, Associate Corporation Counsel  
Inspection Department  
Development Review Coordinator  
Lee Urban, Director of Economic Development  
Susan Doughty, Assessor's Office  
Approval Letter File

O:\PLAN\DEVREV\W\FORA\295\REVISION.DOC



CITY OF PORTLAND  
BUILDING CODE CERTIFICATE  
389 Congress St., Rm 315  
Portland, ME 04101

TO: Inspector of Buildings City of Portland, Maine  
Department of Planning & Urban Development  
Division of Housing & Community Service

FROM: SMRT INC.

RE: Certificate of Design

DATE: 10/04/00

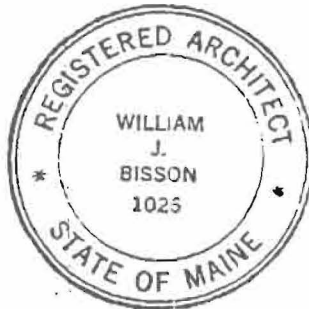
To the best of my knowledge & belief,  
these plans and/or specifications covering construction work on:

Shop in Save - Forest Avenue Expansion (Exterior  
shell only)

Have been designed and drawn up by the undersigned, a Maine registered architect/engineer according to the BOCA National Building Code/1999 Fourteenth Edition, and local amendments.

*Under the supervision of*

(SEAL)



Signature William J. Bisson AIA

Title Project Architect

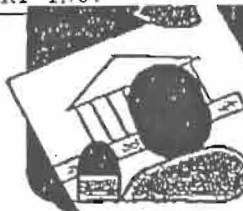
Firm SMRT Inc.

Address 144 Fore Street, P.O. Box 618  
Portland ME, 04104

As per Maine State Law:

\$50,000.00 or more in new construction, repair, expansion, addition, or modification for Building or Structures, shall be prepared by a registered design Professional.

PSH 6/20/21



# CITY OF PORTLAND MAINE

389 Congress St., Rm 315

Portland, ME 04101

Tel - 207-874-8704

Fax - 207-874-8716

TO: Inspector of Buildings City of Portland, Maine  
Planning & Urban Development  
Division of Housing & Community Services

FROM DESIGNER: SMRT INC.

DATE: 10/04/00

Job Name: Shop on S. Forest Ave. Expansion (Exterior Shell only)

Address of Construction: Forest Ave, Portland ME

### THE BOCA NATIONAL BUILDING CODE/1999 Fourteenth EDITION

Construction project was designed according to the building code criteria listed below:

Building Code and Year BOCA '99 Use Group Classification(s) M

Type of Construction 2C Bldg. Height 40' ± Bldg. Sq. Footage 70,000 ±

Hazard Exposure Group 1 Performance Category C

Roof Snow Load Per Sq. Ft. (flat roof) 42 psf Dead Load Per Sq. Ft. 5 psf + loist weights

Basic Wind Speed (mph) 100 Effective Velocity Pressure Per Sq. Ft. 23 psf windward, 7 psf lee

Floor Live Load Per Sq. Ft. Ground flr & stairs: 100 psf, Mezzanine: 80 psf.

Structure has full sprinkler system? Yes  No  Alarm System? Yes  No   
Sprinkler & Alarm systems must be installed according to BOCA and NFPA Standards with approval from the Portland Fire Department.

Is structure being considered unlimited area building: Yes  No

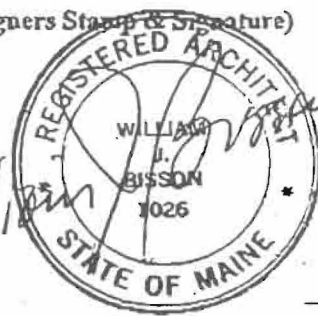
If mixed use, what subsection of 313 is being considered 313.1.3 separate buildings

List Occupant loading for each room or space, designed into this Project. N/A - Exterior shell only.

To the best of my knowledge & belief, this

PSH 6/07/RK

(Designers Stamp & Signature)



*William J. Bisson* AIA



# City of Portland, Maine

389 Congress St, Rm 315  
Portland, ME 04101

## ACCESSIBILITY CERTIFICATE

TO: Inspector of Buildings City of Portland, Maine  
Department of Planning & Urban Development  
Division of Housing & Community Services

FROM: SMRT INC.

RE: Certificate of Design, HANDICAP ACCESSIBILITY

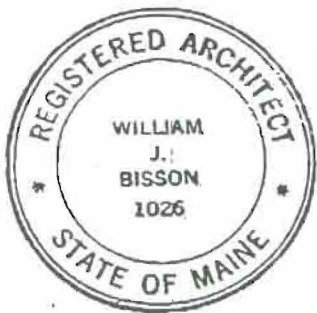
DATE: 10/04/00

To the best of my knowledge & belief,  
these plans and/or specifications covering construction work on:

Shop 'n Save Forest Ave Expansion (Exterior shell  
only)

under the supervision of  
Have been designed and drawn up ~~by~~ the undersigned, a Maine registered  
engineer/architect according to State Regulations as adopted by the State of Maine on  
Handicapped Accessibility.

(SEAL)



Signature William Bisson AIA

Title Project Architect

Firm SMRT Inc.

Address 144 Jane Street, P.O. Box 618  
Portland ME, 04104



# CITY OF PORTLAND, MAINE

Department of Building Inspection

Nov 91 2000

Received from Hannaford a fee

of 100 /100 Dollars \$ 36,625.00

for permit to alter  
install  
erect  
alter

at 395 Freeport Ave Est. Cost \$ 4,133,125.  
move  
demolish

Check # 1500810  
Cash \$1.29

\_\_\_\_\_  
Inspector of buildings  
Per Hayes

## THIS IS NOT A PERMIT

No work is to be started until PERMIT CARD is actually posted upon the premises. Acceptance of fee is no guarantee that permit will be granted. PRESERVE THIS RECEIPT. In case permit cannot be granted the amount of the fee will be refunded upon return of the receipt less \$5.00 or 10% whichever is greater.

WHITE - Applicant's Copy  
YELLOW - Office Copy  
PINK - Auditors Copy

PLANNING DEPARTMENT PROCESSING FORM  
Inspections Office Copy

naford Bros. Co.

04/27/1999

Applicant  
P.O. Box 1000, Portland, ME 04104  
Applicant's Mailing Address  
Steve Bushey/Deluca Hoffman  
Consultant/Agent  
775-1121  
Applicant or Agent Daytime Telephone, Fax

Application Date  
Forest Avenue - 295  
Project Name/Description  
295 - 295 Forest Ave, Hannaford Bros  
Address of Proposed Site  
034A C001  
Assessor's Reference. Chart-Block-Lot

Proposed Development (check all that apply):  New Building  Building Addition  Change Of Use  Residential  
 Office  Retail  Manufacturing  Warehouse/Distribution  Parking Lot  Other (specify) demo  
13,140 sq. ft. 9.77 ac B2  
Proposed Building square Feet or # of Units Acreage of Site Zoning

Check Review Required:

Site Plan (major/minor)  Subdivision # of lots  PAD Review  14-403 Streets Review  
 Flood Hazard  Shoreland  Historic Preservation  DEP Local Certification  
 Zoning Conditional Use (ZBA/PB)  Zoning Variance  Other

Fees Paid: Site Plan \$500.00 Subdivision Engineer Review \$600.00 Date: 11/04/1999

Inspections Approval Status:

Approved  Approved w/Conditions see attached  Denied  
Approval Date 12/11/2000 Approval Expiration Extension to  Additional Sheets Attached  
 Condition Compliance signature date

Reviewer Marge Schmuckal

Performance Guarantee  Required\*  Not Required

\* No building permit may be issued until a performance guarantee has been submitted as indicated below

<input checked="" type="checkbox"/> Performance Guarantee Accepted	12/01/1999 date	\$31,800.00 amount	12/01/2000 expiration date
<input checked="" type="checkbox"/> Inspection Fee Paid	11/04/1999 date	\$1,243.00 amount	
<input type="checkbox"/> Building Permit Issued	date		
<input type="checkbox"/> Performance Guarantee Reduced	date	remaining balance	signature
<input type="checkbox"/> Temporary Certificate of Occupancy	date	<input type="checkbox"/> Conditions (See Attached)	expiration date
<input type="checkbox"/> Final Inspection	date	signature	
<input type="checkbox"/> Certificate Of Occupancy	date		
<input type="checkbox"/> Performance Guarantee Released	date	signature	
<input type="checkbox"/> Defect Guarantee Submitted	submitted date	amount	expiration date

CITY OF PORTLAND, MAINE  
DEVELOPMENT REVIEW APPLICATION  
PLANNING DEPARTMENT PROCESSING FORM  
ADDENDUM

19990046

I. D. Number

Hannafor Bros. Co.

04/27/1999

Applicant

Application Date

P.O. Box 1000, Portland, ME 04104

Forest Avenue - 295

Applicant's Mailing Address

Project Name/Description

Steve Bushey/Deluca Hoffman

295 - 295 Forest Ave, Hannafor Bros

Consultant/Agent

Address of Proposed Site

775-1121

034A C001

Applicant or Agent Daytime Telephone, Fax

Assessor's Reference: Chart-Block-Lot

---

**DRC Conditions of Approval**

- see Planning's conditions

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**Planning Conditions of Approval**

- i. that the applicant provide any necessary permits required by Army Corp of Engineers to City staff.
  - ii. that the applicant submit utility letters to staff from Portland Water District and Portland Sewer Division.
  - iii. that the applicant submit a drainage maintenance agreement, for review and approval by staff.
  - iv. that the applicant negotiate with Public Works regarding the location of stormwater treatment system and if Public Works agrees the stormwater treatment system may remain where proposed as long as the City bears no maintenance responsibility for the stormwater treatment system.
  - v. that the applicant revise the plans in accordance with the DRC's memo dated 6/4/99 in regards to stormwater treatment system selection and location, erosion control plan, details, and information on new gas line and electrical connections.
- 

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**Inspections Conditions of Approval**

1. This permit is being approved on the basis of plans submitted. Any deviations shall require a separate approval before starting that work.
  2. Separate permits shall be required for any new signage.
- 

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**Fire Conditions of Approval**

Application requires State Fire Marshal approval.

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BOCA®

## NATIONAL BUILDING CODE/1996

## PLAN REVIEW RECORD

Valuation: \$4,433,785.00Plan Review # 1802Fee: \$26,628.00Date: 27 Nov. 2000JURISDICTION Portland Cumberland ME

(City, County, Township, etc.)

BUILDING LOCATION 295 Forest Ave.

(Street address)

BUILDING DESCRIPTION 23600 Addition - renovation of existing47000.66REVIEWED BY [Signature]

Numeral's indicated in parenthesis are applicable code sections of the 1996 BOCA National Building Code. The organization of this Plan Review Record follows the common Building Code format first implemented in the 1993 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
1.	All site plan and building code requirement shall be completed before Certificate of occupancy can be issued.	111.0 118.0
2.	Protection of concrete & masonry shall comply with sections 1908.9, 1908.10, 2111.3, 2111.4	see section.
3.	Owners special inspections shall comply with section 1705.8	1705.0
4.	All construction shall follow the design professional requirements, and Codes requirements.	108.0 114.0
5.	Guardrails and handrails shall comply with sections 1022.0 - 1021.0	1021.0 1022.0
6.	All STAIRS shall comply with section 1014.0	1014.0
7.	All vertical opening shall comply with section 710.0	710.0
8.	Special occupancy area shall comply with Table	302.1.1



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BUILDING OFFICIALS AND CODE ADMINISTRATORS INTERNATIONAL, INC.  
4051 W. FLOSSMOOR ROAD COUNTRY CLUB HILLS, ILLINOIS 60478-5795



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

## ADMINISTRATION (Chapter 1)

X Complete construction documents (107.5, 107.6, 107.7)      X Signed/sealed construction documents (107.7, 114.1)

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

### USE OR OCCUPANCY CLASSIFICATION (302.0-313.0)

Yes Single Use Group      N/A Specific occupancy areas (302.1.1)  
N/A Mixed Use Groups      N/A Accessory areas (302.1.2)  
TOTAL - Automatic Fire Suppression System

### 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.

#### AREA MODIFICATIONS TO TABLE 503

% of Allowable tabular area (Table 503)	<u>100%</u>
% Reduction for height (Table 506.4)	<u>- 0%</u>
% Increase for open perimeter (506.2)	<u>+ 150%</u>
% Increase for automatic sprinklers (506.3)	<u>+ 200%</u>
Total percentage factor	<u>= 450%</u>
Conversion factor	<u>4.50</u> (Total percentage factor/100%)

Open perimeter (506.2)	<u>273</u> North	<u>173'</u> East	<u>273</u> South	<u>173'</u> West
Open perim.	<u>892</u> ft.	Perimeter <u>892</u> ft.		
% Open perimeter =	$\frac{(892/892)=1 \times 100=1}{(\text{Open perim./perim.}) \times 100\%}$			
% Tab. area increase = (506.2)	$\frac{2 \times (100 - 25 = 75) = 150}{2 \times (\% \text{ Open perim. } - 25\%)}$			

#### CASE 1 — SINGLE USE OR NONSEPARATED MIXED USE GROUPS (313.1.1, 503.0)

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 <u>47229</u> ft. <sup>2</sup>		Actual building height <u>22</u> feet <u>2</u> stories
Adjusted floor area* <u>10,495.33</u> ft. <sup>2</sup>		Allowable building height <u>3</u> feet <u>5A</u> stories

\*Adjusted floor area = actual floor area/conversion factor

Permitted types of construction 2C      Type of construction assumed for review (602.3) 2C  
*Part of a Shopping Mall*  
*Use Unlimited Area*

CASE 2 — MIXED USE SEPARATED USE GROUPS

Using Table 503, identify the allowable height and area of each of the separated use groups within the building. Construction types that provide, for each story of the building, tabular areas which result in a sum of the ratios of 1.00 or less and allowable heights (as modified by Section 504.0) equal to or greater than the actual height of the use group are permitted.

Story	Use Group	Actual floor area	Adjusted floor area*	Actual height	Allowable height (Table 503)
_____	_____	_____ ft <sup>2</sup>	_____ ft <sup>2</sup>	_____ ft _____ stories	_____ ft _____ stories
_____	_____	_____ ft <sup>2</sup>	_____ ft <sup>2</sup>	_____ ft _____ stories	_____ ft _____ stories
_____	_____	_____ ft <sup>2</sup>	_____ ft <sup>2</sup>	_____ ft _____ stories	_____ ft _____ stories
_____	_____	_____ ft <sup>2</sup>	_____ ft <sup>2</sup>	_____ ft _____ stories	_____ ft _____ stories
_____	_____	_____ ft <sup>2</sup>	_____ ft <sup>2</sup>	_____ ft _____ stories	_____ ft _____ stories
_____	_____	_____ ft <sup>2</sup>	_____ ft <sup>2</sup>	_____ ft _____ stories	_____ ft _____ stories
_____	_____	_____ ft <sup>2</sup>	_____ ft <sup>2</sup>	_____ ft _____ stories	_____ ft _____ stories
_____	_____	_____ ft <sup>2</sup>	_____ ft <sup>2</sup>	_____ ft _____ stories	_____ ft _____ stories

\*Adjusted floor area = actual floor area/conversion factor

$$\sum \frac{\text{Adjusted floor area}^*}{\text{Allowable area (Table 503)}} = \text{_____} + \text{_____} + \text{_____} + \text{_____} = \text{_____} \leq 1.00$$

Permitted types of construction \_\_\_\_\_ Type of construction assumed for review (602.3) \_\_\_\_\_

UNLIMITED AREA ONE-STORY BUILDINGS

<u>M</u>	Use group classification (507.1)	<u>NA</u>	School buildings (507.1.1)
<u>1, 22'</u>	Building height (story, feet) (507.1)	<u>NA</u>	High-hazard use groups (507.1.2)
<u>2C</u>	Type of construction (507.1)	<u>φ &gt; 30"</u>	Exterior walls (507.2)
<u>NA</u>	Automatic sprinkler system (507.1, 904.11)	<u>MEZZANINES</u>	

MEZZANINES

<u>OK</u>	Area limitation (505.2)	<u>OK</u>	Openness (505.4)
<u>2</u>	Egress (505.3)	<u>EXCEPTIONS</u>	

SPECIAL USE AND OCCUPANCY (Chapter 4)

COVERED MALL BUILDINGS

<u>NA</u>	Tenant separations (402.4)
	Egress (402.5)
	Mall width (402.6)
	Structural elements (402.7)
	Roof coverings (402.8)
	A-1, A-2 occupancy (402.9)
	Automatic sprinkler system (402.10)
	Standpipes (402.11)
	Fire department access (402.12)
	Kiosk requirements (402.14)

\_\_\_\_\_ Parking structures (402.15)

HIGH-RISE BUILDINGS

<u>NA</u>	Automatic sprinkler system (403.2)
	Alternative sprinkler modifications (403.3)
	Automatic fire detection (403.4)
	Voice/alarm signaling systems (403.5)
	Fire department communication (403.6)
	Fire command station (403.7)
	Elevators (403.8)
	Standby systems (403.9)
	Stairway doors (403.10)

ATRIUMS

- NA 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

- NA Underground structures (405.0)
- Open parking structures (406.0)

- Private garages (407.0)
- 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)

- OK Exterior walls
- OK Interior elements
- OK Roof

CONSTRUCTION DOCUMENTS (703.0)

- Fire tests (704.0)

EXTERIOR WALLS (507.2, 705.0, 716.5)

	North	East	South	West
Fire separation distance	>50'	>50'	>50'	>50'
Loadbearing	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Nonloadbearing	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

No Limit Exterior opening protectives (705.3, 706.0)

No Limit Parapet 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)
- NA Dwelling unit separations (711.0)
- NO Guestroom separations (711.0)

OTHER FIRERESISTANT CONSTRUCTION

- OK Fire and party walls (707.0 and Table 707.1)
- NA Smoke barriers (712.0)
- OK Nonloadbearing partitions (Table 602)
- OK Interior loadbearing walls, columns, girders, trusses (716.0)
- OK Supporting construction (716.0)
- OK Floor construction (713.0, 1006.3.1)
- OK Roof construction (713.0, 715.0)
- ✓ Penetrations (714.0)
- ✓ Opening protectives (717.0, 719.0, 720.0)
- ✓ Fire dampers (718.0)
- OK Fireblocking/draftstopping (721.0)
- OK Thermal and sound-insulating materials (723.0)

## INTERIOR FINISHES (Chapter 8)

04 Smoke development (803.3.2)  
05 Flame spread (803.4)

06 Floor finish (805.0, 806.0)

## FIRE PROTECTION SYSTEMS (Chapter 9)

### FIRE SUPPRESSION SYSTEMS (Where required)

NA Assembly (A-1, A-3, A-4) (904.2)  
NA Assembly (A-2) (904.3)  
NA Educational (E) (904.4)  
NA High-hazard (H) (904.5)  
NA Institutional (I) (904.6)  
 \_\_\_\_\_ Mercantile (M), Moderate-hazard storage (S-1), Factory and Industrial (F-1) (904.7)  
NA Residential (R-1) (904.8)  
NA Residential (R-2) (904.9)  
NA Windowless story (904.10)  
NA Specific occupancy areas (302.1.1, 904.11)  
NA Covered mall buildings (402.10)  
NA High-rise buildings (403.2)  
NA Atriums (404.2)  
NA Underground structures (405.3)  
NA Public garages (408.3.1)  
NA Sound stages (411.7)  
NA Stages and enclosed platforms (412.6)  
NA Special amusement buildings (413.4)  
NA HPM facilities (416.4)  
NA Paint spray booths and storage rooms (419.3)  
NA Unlimited area buildings (507.1)  
06 Exit lobbies (1020.3)  
NA Drying rooms (2806.4)  
NA Waste- and linen-chutes/termination rooms (2807.6)  
NA Refuse vaults (2808.4)

### FIRE SPRINKLER SYSTEMS

✓ NFPA 13 system (906.2.1)  
NA NFPA 13R system (906.2.2)  
NA NFPA 13D system (906.2.3)  
NA Design (906.3)  
NA Actuation (906.4)  
✓ Sprinkler alarms (906.5)  
✓ Sprinkler riser (906.7)

### LIMITED AREA SPRINKLER SYSTEMS

NA Where permitted (907.2)  
 \_\_\_\_\_ Design (907.3)  
 \_\_\_\_\_ Actuation (907.4)  
 \_\_\_\_\_ Standpipe connection (907.6)  
 \_\_\_\_\_ Domestic supply (907.6.1)  
 \_\_\_\_\_ Cross connection (907.6.2)  
 \_\_\_\_\_ Shutoff valve (907.6.3)

### OTHER SUPPRESSION SYSTEMS

✓ Water-spray fixed systems (908.0)  
NA Carbon dioxide extinguishing systems (909.0)  
NA Dry-chemical extinguishing systems (910.0)  
NA Foam-extinguishing systems (911.0)  
NA Halogenated extinguishing systems (912.0)  
NA Clean agent fire extinguishing systems (913.0)  
NA Wet-chemical range hood extinguishing systems (914.0)

STANDPIPE SYSTEMS

- NA Building height (915.2.1)
- NA Building area (915.2.2)
- NA Malls (915.2.3)
- NA Stages (915.2.4)
- \_\_\_\_\_ Approved system (915.3, 915.3.1)
- \_\_\_\_\_ Piping design (915.4)
- \_\_\_\_\_ Water supply (915.5)
- \_\_\_\_\_ Control valves (915.6)
- \_\_\_\_\_ Hose connection (915.7)

FIRE DEPARTMENT CONNECTIONS

- C Required (916.1)
- ✓ Connections (916.2)

YARD HYDRANTS

- \_\_\_\_\_ Fire hydrants (917.1)

FIRE ALARM SYSTEMS

- NA Approval (918.3)
- NA Assembly (A-4), Educational (E) (918.4.1)
- NA Business (B) (918.4.2)
- NA High-hazard (H) (918.4.3)
- NA Institutional (I) (918.4.4)
- NA Residential (R-1) (918.4.5)
- NA Residential (R-2) (918.4.6)
- NA Location/details (918.5)
- NA Power supply/wiring (918.6, 918.7)
- NA Alarm-notification appliances (918.8)
- NA Voice/alarm signaling system (918.9)

AUTOMATIC FIRE DETECTION SYSTEMS

- \_\_\_\_\_ Approval (919.3)
- NA Institutional (I) (919.4.1, 919.4.2, 919.4.3)
- NA Residential (R-1) (919.4.4)
- NA Sprinklered buildings exception (919.5)
- NA Zones (919.6)

SINGLE- AND MULTIPLE-STATION SMOKE DETECTORS

- NA Residential (R-1) (920.3.1)
- \_\_\_\_\_ Residential (R-2, R-3) (920.3.2)
- \_\_\_\_\_ Institutional (I-1) (920.3.3)
- \_\_\_\_\_ Interconnection (920.4)
- \_\_\_\_\_ Battery backup (920.5)



FIRE EXTINGUISHERS

- NA Approval (921.1)
- NA Required (921.2)

SMOKE CONTROL SYSTEMS

- NA Passive system (922.2.1)
- \_\_\_\_\_ Mechanical system (922.2.2)
- \_\_\_\_\_ Smoke removal (922.3)
- \_\_\_\_\_ Activation (922.4)
- \_\_\_\_\_ Standby power (922.5)

SMOKE AND HEAT VENTS

- \_\_\_\_\_ Size and spacing (923.2)

SUPERVISION

- \_\_\_\_\_ Fire suppression systems (924.1)
- \_\_\_\_\_ Fire alarm systems (924.2)

**MEANS OF EGRESS (continued)**

*P.F.D. Review*

<u>          </u>	General limitations (1005.0)	<u>          </u>	Ramps (1016.0)
<u>          </u>	Air movement in egress elements (1005.7)	<u>          </u>	Means of egress doorways (1017.0)
<u>          </u>	Types and location of egress (1006.0)	<u>          </u>	Number of doorways (1017.2)
<u>          </u>	Exit access travel distance (1006.5 and Table 1006.5)	<u>          </u> ✓	Size of doors (1017.3)
<u>          </u>	Accessible means of egress (1007.0)	<u>          </u> ✓	Door hardware (1017.4)
<u>          </u>	Emergency escape (1010.4)	<u>          </u>	Revolving doors (1018.0)
<u>          </u>	Exit access passageways and corridors (1011.0)	<u>          </u>	Horizontal exits (1019.0)
<u>          </u>	Aisles and accessways (1012.0)	<u>          </u> ✓	Level of exit discharge passageway (1020.0)
<u>          </u>	Grandstands (1013.0)	<u>          </u> ✓	Guards (1021.0)
<u>          </u>	Interior stairways (1014.1 - 1014.11)	<u>          </u> ✓	Handrails (1022.0)
<u>          </u>	Exterior stairways (1014.1 - 1014.10, 1014.12)	<u>          </u> ✓	Exit signs and lights (1023.0)
<u>          </u>	Smokeproof enclosures (1015.0)	<u>          </u> ✓	Means of egress lighting (1024.0)
<u>          </u>		<u>          </u> ✓	Access to roof (1027.0)

**ACCESSIBILITY (Chapter 11)**

*STATE King  
marshalls*

<u>          </u>	Required (1103.0)	<u>          </u>	Accessible entrances (1106.0)
<u>          </u>	Accessible route (1104.0)	<u>          </u>	Special use groups (1107.0)
<u>          </u>	Parking facilities (1105.0)	<u>          </u>	Features and facilities (1108.0)

**INTERIOR ENVIRONMENT (Chapter 12)**

<u>          </u>	Room dimensions (1204.0)	<u>          </u>	Air-borne noise (STC) (1214.2)
<u>          </u>	Roof spaces (1210.1, 1211.2)	<u>          </u>	Structure-borne sound (IIC) (1214.3)
<u>          </u>	Crawl spaces (1210.2, 1211.1)	<u>          </u>	Ratproofing (1215.0)

**BUILDING ENVELOPE (Chapters 14, 15)**

**EXTERIOR WALL COVERINGS (Chapter 14)**

<u>          </u>	Performance requirements (1403.0)	<u>          </u> NA	Combustible material restrictions (1406.0)
<u>          </u>	Wall sidings and veneers (1404.0, 1405.0)	<u>          </u>	





## 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)

*X*

## Michael Allen ~~BRUNNEN~~ STRUCTURAL SYSTEMS (Chapters 16, 17, 18)

*#4519 PE*

### STRUCTURAL LOADS (Chapter 16)

*Michael Allen Cunningham*

DESIGN LOADS ON CONSTRUCTION DOCUMENTS (1603.1)

Uniformly distributed floor live loads (1603.2, 1606.0)

Floor Area Use	Loads Shown
<i>See sheet 50 Design notes</i>	
<i>STAIRS 100 PSF</i>	
<i>MEZZANINE 80 PSF</i>	
<i>Ground Floor 100 PSF</i>	

Live load reduction (1603.2, 1606.7)

Roof live loads (1603.3, 1607.0)

Roof snow loads (1603.4, 1608.0)

*GSL 60 PSF* Ground snow load,  $P_g$  (1608.3)

*Roof 42 PSF* If  $P_g > 10$  psf, flat-roof snow load,  $P_f$  (1608.4)

If  $P_g > 10$  psf, snow exposure factor,  $C_e$  (Table 1608.4)

Sloped roof snowload,  $P_s$  (1608.5)

If  $P_g > 10$  psf, snow load importance factor,  $I$  (Table 1609.5)

Wind loads (1603.5, 1609.0)

*100 mph* Basic wind speed (1609.3)

Wind exposure category (1609.4)

Wind importance factor,  $I$  (Table 1609.5)

Wind design pressure,  $P$  (1609.7)

Earthquake loads (1603.6, 1610.0)

*See Note* Peak velocity-related acceleration,  $A_v$  (1610.1.3)

*See Note* 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

*see sheet* Submitted for all structural members (107.7)

*50 of PH* Signed/sealed (107.7, 114.1)

Deflection limits considered (1604.5)

STRUCTURAL DESIGN CALCULATIONS (continued)

<input checked="" type="checkbox"/>	Unbalanced snow loads considered (1608.6)	<input checked="" type="checkbox"/>	Internal pressure effects considered (1609.7, 1609.8)
<input checked="" type="checkbox"/>	Drift snow loads considered (1608.7)	<input checked="" type="checkbox"/>	Components and cladding effects considered (1609.8)
<input checked="" type="checkbox"/>	Sliding snow loads considered (1608.8)	<input checked="" type="checkbox"/>	Load combinations considered (1613.1)

MATERIAL PERFORMANCE (Chapter 17)

<input checked="" type="checkbox"/>	Material performance technical data or BOCA Evaluation Services or National Evaluation Services report supplied (1703.0) Report No. _____	<input checked="" type="checkbox"/>	Masonry construction (1705.5)
<input checked="" type="checkbox"/>	Owner's special inspection program specified (1705.0)	<input checked="" type="checkbox"/>	Wood construction (1705.6)
<input checked="" type="checkbox"/>	Prefabricated items (1705.2)	<input checked="" type="checkbox"/>	Prepared fill and foundations (1705.7, 1705.8, 1705.9)
<input checked="" type="checkbox"/>	Steel construction (1705.3)	<input checked="" type="checkbox"/>	Fireresistive materials (1705.12)
<input checked="" type="checkbox"/>	Concrete construction (1705.4)	<input checked="" type="checkbox"/>	EIFS, wall panels and veneers (1705.10, 1705.13)

FOUNDATIONS AND RETAINING WALLS (Chapter 18)

<input checked="" type="checkbox"/>	Soil type (1611.0, 1802.1, 1804.1)	<input checked="" type="checkbox"/>	Foundations (1814.0 - 1824.0)
<input checked="" type="checkbox"/>	Bearing value (1611.0, 1802.1, 1804.1)	<input checked="" type="checkbox"/>	Foundation walls (1611.0, 1812.0)
<input checked="" type="checkbox"/>	Soil report (1802.1, 1804.1)	<input checked="" type="checkbox"/>	Waterproofing/dampproofing (1813.0)
<input checked="" type="checkbox"/>	Prepared fill (1804.1.1)	<input checked="" type="checkbox"/>	Retaining walls (1611.0, 1825.0)
<input checked="" type="checkbox"/>	Footings (1806.0 - 1811.0)		

STRUCTURAL MATERIALS (Chapters 19, 21, 22, 23)

CONCRETE (Chapter 19)

<input checked="" type="checkbox"/>	Plain, reinforced and prestressed concrete design/construction standard specified (1901.1, 1903.1.1)	<input checked="" type="checkbox"/>	Minimum concrete strength (Table 1907.1.2[1])
<input checked="" type="checkbox"/>	Minimum slab requirements (1905.1)	<input checked="" type="checkbox"/>	Cold-weather and hot-weather curing specified (1908.9, 1908.10)

MASONRY (Chapter 21)

<input checked="" type="checkbox"/>	Engineered masonry design/construction standard specified (2101.1.1)	<input checked="" type="checkbox"/>	Cold-weather and hot-weather construction specified (2111.3, 2111.4)
<input checked="" type="checkbox"/>	Empirical masonry design (2101.1.2)	<input checked="" type="checkbox"/>	Fireplaces and chimneys (2103.2, 2113.0 - 2117.0)
<input checked="" type="checkbox"/>	Construction materials (2104.0)	<input checked="" type="checkbox"/>	Glass block (2118.0)
<input checked="" type="checkbox"/>	Mortar type (2104.7)		

VC 219A DY Michael/H/10/10 STEEL (Chapter 22)  
 PE. #4519

<u>X</u>	Structural steel design/construction standard specified (2203.1, 2203.2)	<u>X</u>	Formed steel design/construction standard specified (2206.1)
<u>X</u>	Shop drawing preparation specified (2203.4)	<u>X</u>	Formed steel member identification (2206.6)
<u>X</u>	Open-web steel joist design/construction standard specified (2205.1)		

**WOOD (Chapter 23)**

<u>NA</u>	Installation inspections (2301.2)	<u>X</u>	Seismic bracing (2305.8)
<u>X</u>	Design/construction standard specified (2303.1)	<u>X</u>	Foundation anchorage (2305.17)
<u>X</u>	Grade mark specified (2303.1.1)	<u>X</u>	Wood structural panels (2307.0)
<b>HEAVY TIMBER CONSTRUCTION</b>		<u>X</u>	Particleboard (2308.0)
<u>NA</u>	Minimum dimensions (605.1, 2304.0)	<u>X</u>	Fiberboard (2309.0)
<u>NA</u>	Design/construction standard specified (2304.1)	<u>X</u>	Fireretardant-treated wood (2310.0)
<b>WOOD FRAME CONSTRUCTION</b>		<u>X</u>	Decay and termite protection (2311.0)
<u>NA</u>	Fastening and construction details (2305.0, Table 2305.2)	<u>X</u>	Joist hangers (2312.0)
<u>NA</u>	Wind bracing design required (2305.7)	<u>X</u>	Prefabricated components (2313.1, 2313)
		<u>X</u>	Metal-plate-connected trusses (2313.3.1, 2313.3.2)

**NONSTRUCTURAL MATERIALS (Chapters 24, 25, 26)**

**GLASS AND GLAZING (Chapter 24)**

<u>X</u>	Skylights (2404.0)	<u>X</u>	Safety glazing (2405.0, 2406.0, 2407.0)
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**GYPSON BOARD AND PLASTER (Chapter 25)**

<u>X</u>	Gypsum board materials (2503.0, Table 2503.2, Table 2503.3)	<u>NA</u>	Plaster (2504.0, 2505.0, 2506.0)
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**PLASTIC (Chapter 26)**

<u>NA</u>	Approved materials (2601.2)	<u>NA</u>	FOAM PLASTIC (2603.0)
<u>X</u>	Identification (2601.4)	<u>X</u>	Labeling (2603.2)
<u>X</u>	Interior trim (2603.7)	<u>X</u>	Surface-burning characteristics (2603.3)
<u>X</u>	Alternative approval (2603.8)	<u>X</u>	Thermal barrier (2603.4)
		<u>X</u>	Exterior walls (2603.5, 2603.6)

LIGHT TRANSMITTING PLASTIC (2603.5, 2604.0)

NA  
|  
|  
|

Diffusing systems (2604.5)

Wall panels (2605.0)

|  
|  
|

Unprotected openings (2606.0)

Roof panels (2607.0)

Skylight glazing (2608.0)

## BUILDING SERVICES (Chapters 28, 30)

### MECHANICAL SYSTEMS (Chapter 28)

NA

Waste- and linen-handling systems (2807.0)

NA

Refuse vaults (2808.0)

### ELEVATORS AND CONVEYING SYSTEMS (Chapter 30)

STATE

Control

Construction standard specified (3001.2)

Elevator emergency operation (3006.2)

Hoistway enclosure (3007.1)

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Venting (3007.3 - 3007.6)

Opening protectives (3008.2)

Conveyors and escalators (3010.0, 3011.0)

## SPECIAL DEVICES AND CONDITIONS (Chapters 31, 34)

### SPECIAL CONSTRUCTION (Chapter 31)

NA

Membrane structures (3103.0)

NA

Flood-resistant construction (3107.0)

NA

Towers (3108.0)

PEDESTRIAN WALKWAYS (3106.0)

NA

Construction and use (3106.1 - 3106.3)

\_\_\_\_\_

Separation (3106.4)

\_\_\_\_\_

Local approval (3106.5)

\_\_\_\_\_

Egress and size (3106.6 - 3106.8)

### EXISTING STRUCTURES (Chapter 34)

#### ADDITIONS, ALTERATIONS OR CHANGE OF OCCUPANCY

NA

General requirements (3402.0)

\_\_\_\_\_

Structural loads (1614.0, 3402.5)

\_\_\_\_\_

Accessibility (1110.0, 3402.7)

\_\_\_\_\_

\_\_\_\_\_

Additions/alterations (3403.0, 3404.0)

\_\_\_\_\_

Change of occupancy (1110.3, 3405.0)

\_\_\_\_\_

Compliance alternative evaluation (3408.0)

#### 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 _____
Fire-resistance rating of vertical opening enclosures _____	
Type of HVAC system _____	serving number of floors _____

## BUILDING EVALUATION SUMMARY (continued)

Automatic fire detection: Yes \_\_\_\_\_ No \_\_\_\_\_, type and location \_\_\_\_\_  
 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 of egress (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 separations			
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
FS-MFS ≥ 0	_____ (FS)	- _____ (MFS)	= _____	_____	_____
ME-MME ≥ 0	_____ (ME)	- _____ (MME)	= _____	_____	_____
GS-MGS ≥ 0	_____ (GS)	- _____ (MGS)	= _____	_____	_____

FS = Fire Safety	MFS = Mandatory Fire Safety
ME = Means of Egress	MME = Mandatory Means of Egress
GS = General Safety	MGS = Mandatory General Safety