NC DEPARTMENT OF INSURANCE
OFFICE OF STATE FIRE MARSHAL

Effective Use
of the
Existing Building Code

The Performance Compliance Method

Chapter 13 as of 2024 Edition, Chapter 14 in 2018 Edition

Presented by
Pam Schooler, PE, Chief Existing Building Code Consultant, OSFM

Effective Use of the Existing Building Code

- Background
  - Development of the Existing Building Code in NC
- Applicability
  - The code shall apply to…
  - Duties and Powers of Code Officials
  - Key Terms
- Three (3) Means of Compliance
  - Prescriptive
  - Work area
  - Performance
- Performance Compliance Method Evaluation

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DEVELOPMENT OF THE EXISTING BUILDING CODE

In North Carolina

1900

'03 Laws passed created a Building Code for materials and methods of Construction in use at that time in the state

'33 BCC

'36 Adopted FIRST State Building Code, NFiPA 101

NC State House
Raleigh, circa 1900

US Post Office & Courthouse
Charlotte, opened 1915

Farmers, + 50% of state
Dunn, circa 1925

Civilian Conservation Corps
Globe, New Deal 1934

Camp Davis
Holly Ridge, circa 1945

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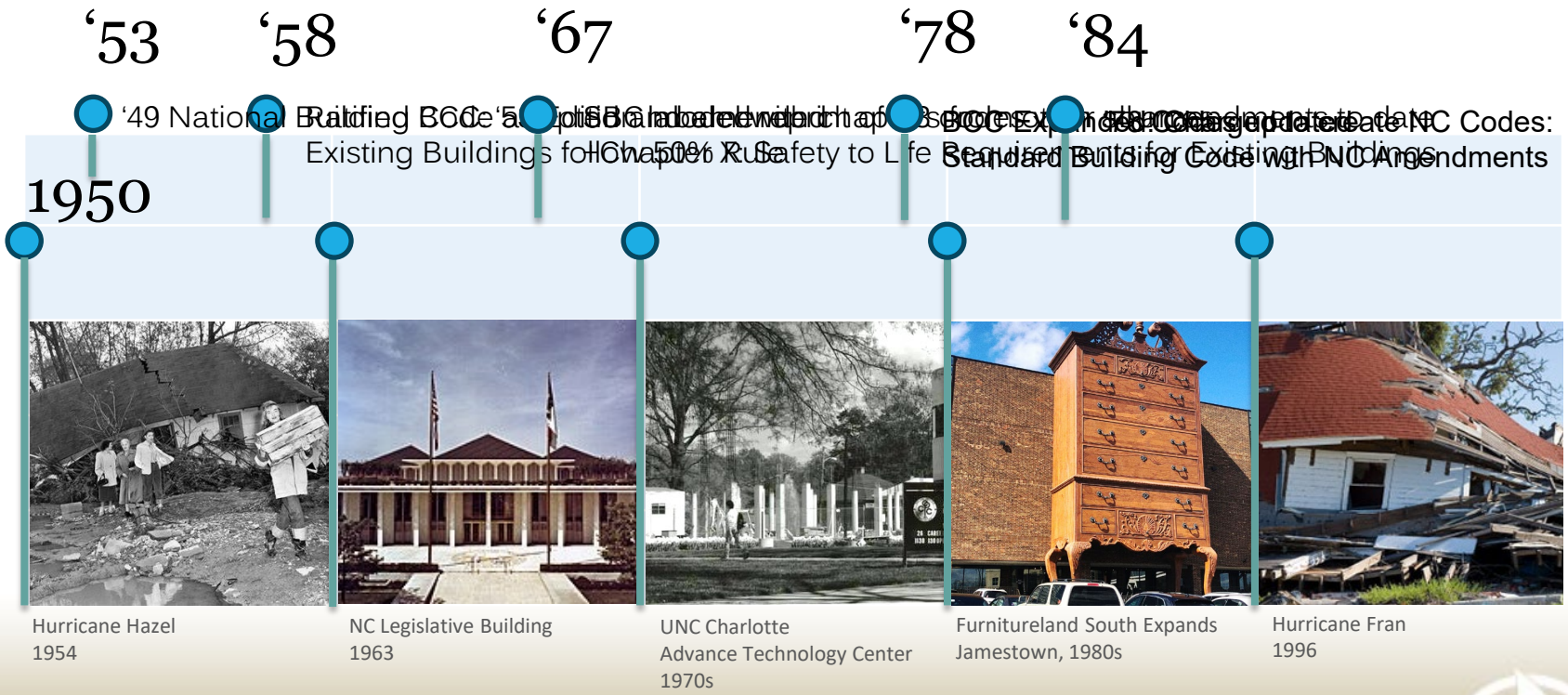
DEVELOPMENT OF THE EXISTING BUILDING CODE

In North Carolina



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DEVELOPMENT OF THE EXISTING BUILDING CODE

In North Carolina

‘91 ‘95 ‘02 ‘06 ‘15 ‘18 ‘24

1990

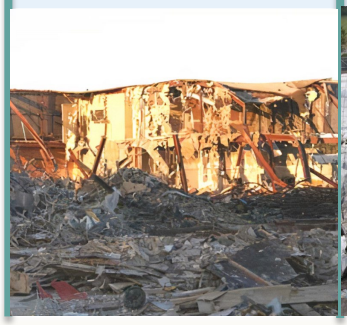
BCC authorized development of Existing Building Code

‘95 ED Vol. I adopted

Chapter 34 ‘95 governs

work not extent/value ‘95 method obsolete

Adopt & Amend 2021 I-Codes



Hurricane Floyd
Rocky Mount, ‘99

EQ Hazardous Waste Plant
Apex, NC , ‘06

Winter Storm
Cape Hatteras, ‘10

+900 +1$MIL homes sold
Triangle, ‘23

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Applicability

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[A] 101.4 Applicability.
This code shall apply to the *repair*, *alteration*, *change of occupancy*, *addition* and relocation of *existing buildings*, regardless of occupancy, subject to the criteria of Sections 101.4.1 and 101.4.2.

[A] 101.4.1 Buildings not previously *legally occupied*.
A building or portion of a building that has not been previously *legally occupied* or used for its intended purpose in accordance with the laws in existence at the time of its completion shall be permitted to comply with the provisions of the laws in existence at the time of its original permit unless such permit has expired. Subsequent permits shall comply with the *International Building Code* or *International Residential Code*, as applicable, for new construction.

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Duties and Powers of Code Officials

Duties and Powers of Code Officials

1. Receive applications and supporting data for permits;
2. Issue or deny permits;
3. Make all necessary inspections to ensure code compliance;
4. Identify technical provisions found to be inconsistent with the inspection;
5. Issue or deny certificates of compliance and certificates of occupancy;
6. Issue stop work orders or orders to correct violations;
7. Maintain adequate records of permits issued or denied, inspections made, corrections ordered and certifications issued; and
8. Take other actions that may be required to adequately enforce the code.

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Duties and Powers of Code Officials

1. Receive applications **and supporting data** for permits;

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Duties and Powers of Code Officials

1. Receive applications **and supporting data** for;
    - Alternate methods including the Performance Compliance Method
    - Alternate design and materials of construction
    - Alternate equipment

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Duties and Powers of Code Officials

[A] 104.11 Alternative materials, design and methods of construction, and equipment.

The provisions of this code are not intended to prevent the installation of any material or to prohibit any design or method of construction not specifically prescribed by this code, provided that any such alternative has been approved. An alternative material, design, or method of construction shall be approved where the *code official* finds that the proposed design is satisfactory and complies with the intent of the provisions of this code, and that the material, method, or work offered is, for the purpose intended, not less than the equivalent of that prescribed in this code in quality, strength, effectiveness, fire resistance, durability and safety. Where the alternative material, design or method of construction is not approved, the *code official* shall respond in writing, stating the reasons the alternative was not approved.

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Duties and Powers of Code Officials

[A] 104.11 Alternative materials, design and methods of construction, and equipment.

[A] 104.11.1 Research reports.
Supporting data, where necessary to assist in the approval of materials or assemblies not specifically provided for in this code, shall consist of valid research reports from approved sources.

[A] 104.11.2 Tests.
Whenever there is insufficient evidence of compliance with the provisions of this code or evidence that a material or method does not conform to the requirements of this code, or in order to substantiate claims for alternative materials or methods, the *code official* shall have the authority to require tests as evidence of compliance to be made at no expense to the jurisdiction. Test methods shall be as specified in this code or by other recognized test standards. In the absence of recognized and accepted test methods, the *code official* shall approve the testing procedures. Tests shall be performed by an approved agency. Reports of such tests shall be retained by the *code official* for the period required for retention.

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Duties and Powers of Code Officials

[A] 101.7 Correction of violations of other codes.

Repairs or *alterations* mandated by any property, housing or fire safety maintenance code, or mandated by any licensing rule or ordinance adopted pursuant to law, shall conform only to the requirements of that code, rule or ordinance, and shall not be required to conform to this code unless the code requiring such *repair* or *alteration* so provides.

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Duties and Powers of Code Officials

101.8 Requirements of other State agencies, occupational licensing boards or commissions.

The *North Carolina State Building Codes* do not include all additional requirements for buildings and structures that may be imposed by other State agencies, occupational licensing boards and commissions. It shall be the responsibility of a permit holder, registered design professional, contractor or occupational license holder to determine whether any additional requirements exist.

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Duties and Powers of Code Officials

[101.9 Mixed use buildings.

Each portion of a building shall be separately classified as to use. The requirements of this code shall apply to each portion of the building based on the *occupancy classification* of that portion, except that the most restrictive requirements of this code for fire suppression shall apply to the entire building.

Exception:

An automatic fire suppression system shall not be required for uses that would not otherwise require suppression provided that there is a 1-hour separation between the uses requiring suppression and the other uses in the same building. A 2-hour fire separation shall be required to apply this exception to Group H.

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Key Terms

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Key Terms

EXISTING BUILDING/STRUCTURE. A building erected prior to the date of adoption of the appropriate code, or one for which a legal building permit has been issued.

PROJECT: Anything with a scope of work that includes a repair, alteration, change of occupancy, addition, or relocation

- *Alteration*
- *Change of Occupancy*
- *Addition*
- *Relocation*

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Three (3) Means of Compliance

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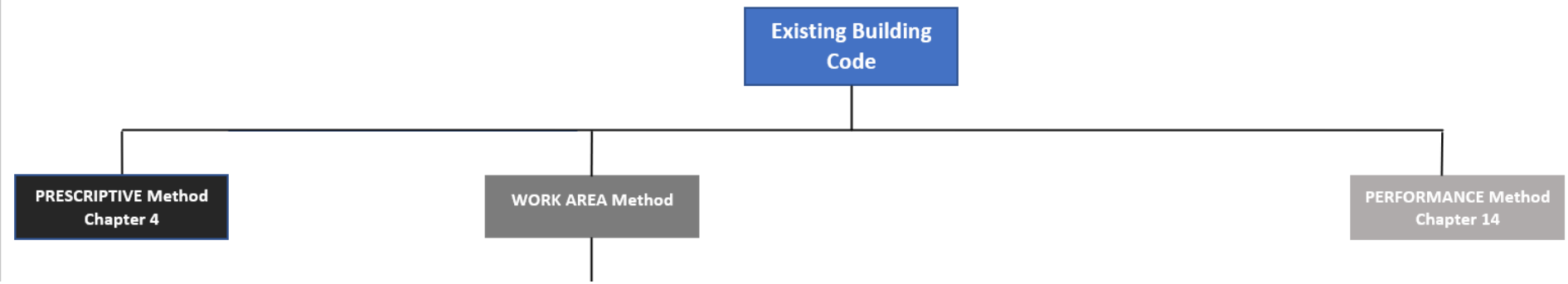

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Three (3) Means of Compliance

The **Prescriptive Method** dictates a straightforward manner of how to comply with the code but is the most conservative and cautious approach to life safety.

- This is the least ambiguous compliance method of the three as it provides direct instructions to achieve compliance. It does not require analysis by the design team other than accurately defining the scope. This compliance method may provide shorter permitting review times on average because it addresses compliance through known and repeatable methods that reviewers will be familiar with seeing.

- The downside to the Prescriptive method is it is often the most conservative compliance method. It does not allow for innovative or creative solutions that aren't specifically detailed in the code to achieve compliance. This may result in less desirable designs, more expensive design solutions, and longer construction times.

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Three (3) Means of Compliance

The **Work Area Method** allows the extent of compliance to be based on the scope of work.

- The Work Area Method requires the designer to classify the scope of work into one of seven (7) classifications: Repair, Alteration Level 1, Level 2, or Level 3, Change of Occupancy, Addition, or Historic Building. To determine which classification to use, compare the project's scope to each scope of work classifications defined in Chapter 5.

- Once the project has been classified based on scope, there are individual chapters for each classification that will provide the level of compliance that must be adhered to.

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Three (3) Means of Compliance

The **Performance Compliance Method** allows the building's existing standards of health, safety and welfare to be maintained or improved upon without requiring full compliance. This is done by evaluating the proposed rehabilitation against a scoring system to show that the building will maintain or exceed the current level of safety in the building without necessarily adhering to the building code.

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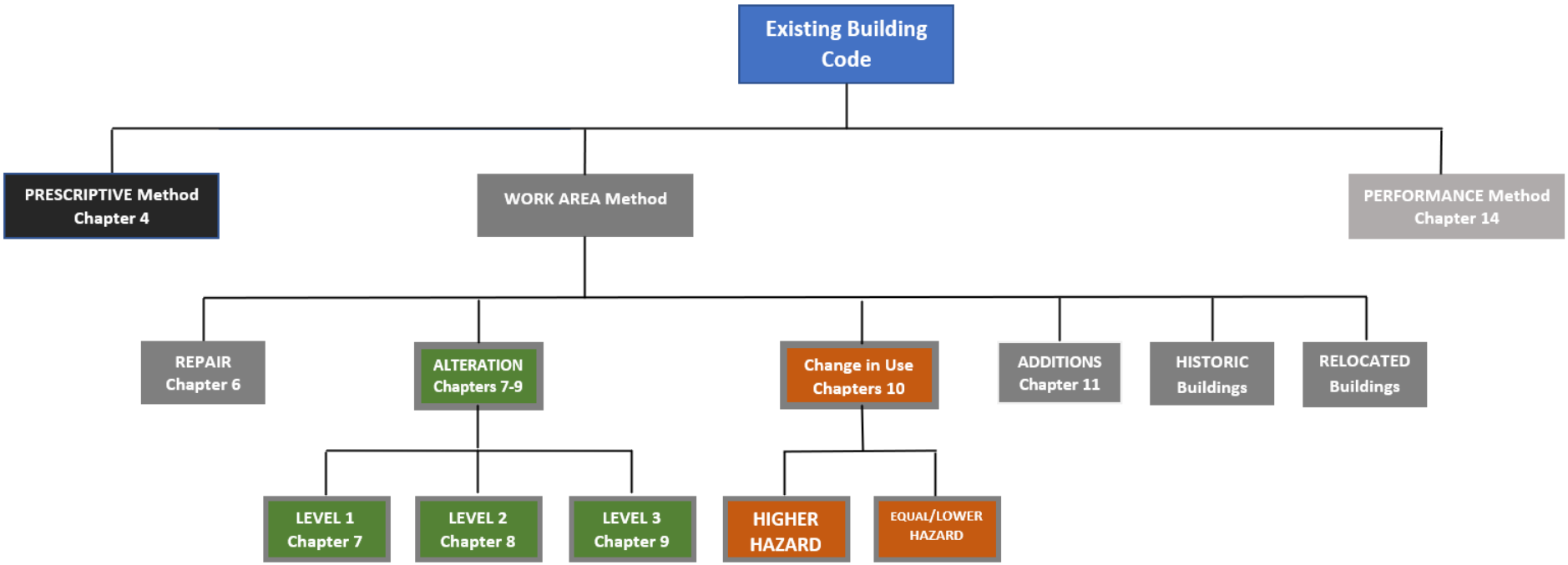
Three (3) Means of Compliance



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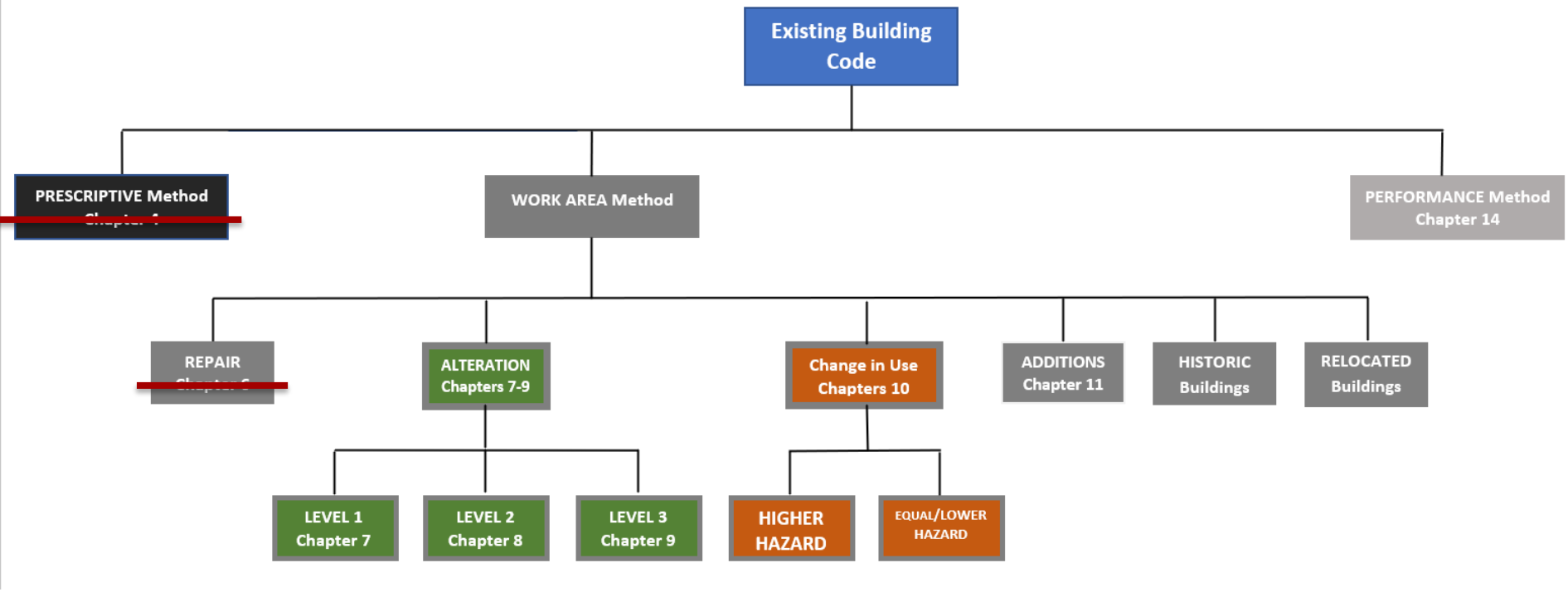

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Three (3) Means of Compliance

The **Performance Compliance Method**

- **What must be done**

1. Fully investigate the building using both on-site inspection and research of all available construction documents

2. Evaluate the building for conformance to fire safety, means of egress, general safety

3. Perform structural analysis

4. Determine whether the existing building, proposed work or change of occupancy complies with the accessibility provisions (Call Tara!)

5. Submit to code official documented results of the investigation and evaluation plus any proposed compliance alternatives

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Three (3) Means of Compliance

The **Performance Compliance Method**

- When an owner or designer of an existing building decides to apply this method and complies with all the provisions, the code official must accept for review the proposed work or change of occupancy.

- The exiting building must also comply with the
  - Fire code
  - Flood hazard provisions
  - Structural loads specified in the NCBC

- Unsafe conditions/hazard not corrected by the proposed work must be abated or corrected.

- Existing conditions that exceed new construction requirements may be reduced but not below new construction requirements.

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Three (3) Means of Compliance

The **Performance Compliance Method**

- Does not apply to H, I-3 and I-4.
- Accessibility requirements in Chapter 3 do apply.

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Performance Method Compliance Evaluation

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The **Performance Compliance Method**

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Performance Method Compliance Evaluation

EVALUATION CATEGORIES

- **FIRE SAFETY**

1. Structural fire resistance
2. Automatic fire detection
3. Fire Alarm
4. Automatic sprinkler system
5. Fire suppression system

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Performance Method Compliance Evaluation

EVALUATION CATEGORIES

- **MEANS OF EGRESS**

1. General areas of configuration

2. Characteristics and support features

3. Specific features
   - travel distance
   - dead ends
   - emergency lighting
   - exit capacity
   - number of exits

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Performance Method Compliance Evaluation

EVALUATION CATEGORIES

- **GENERAL SAFETY**

    1. Fire safety parameters

    2. Means of egress parameters

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Performance Method Compliance Evaluation

The **21 SAFETY PARAMETERS**

1301.6.1	Building height
1301.6.2	Building area
1301.6.3	Compartmentation
1301.6.4	Tenant & dwelling unit separation
1301.6.5	Corridor walls
1301.6.6	Vertical openings
1301.6.7	HVAC systems
1301.6.8	Automatic fire detection
1301.6.9	Fire alarm systems
1301.6.10	Smoke control
1301.6.11	Means of egress capacity and number
1301.6.12	Dead ends
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1301.6.14	Elevator control
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1301.6.21.1	Patient ability for self preservation (I-2 only)
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	Building score - Mandatory score =

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Mandatory Safety Score for each Occupancy Classification

OCCUPANCY	**FIRE SAFETY**	MEANS OF EGRESS	GENERAL SAFETY
A-1	20	31	31
A-2	21	32	32
A-3	22	33	33
A-4, E	29	40	40
B	30	40	40
F	24	34	34
I-2	19	34	34
M	23	40	40
R	21	38	38
S-1	19	29	29
S-2	29	39	39

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The value for this parameter is the lesser of

$$\text{Height value, feet} = \frac{(AH) - (EBH)}{12.5} \times CF$$

$$\text{Height value, stories} = (AS - EBS) \times CF$$

where:

AH = Allowable height in feet (mm) from Section 504 of the *International Building Code*.

EBH = *Existing building* height in feet (mm).

AS = Allowable height in stories from Section 504 of the *International Building Code*.

EBS = *Existing building* height in stories.

CF = 1 if (*AH*) – (*EBH*) is positive.

CF = Construction-type factor shown in Table 1301.6.6(2) if (*AH*) – (*EBH*) is negative.

FACTOR	TYPE OF CONSTRUCTION								
	IA	IB	IIA	IIB	IIIA	IIIB	IV	VA	VB
	1.2	1.5	2.2	3.5	2.5	3.5	2.3	3.3	7

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1301.6.16	Mixed occupancies
1301.6.17	Automatic sprinklers (FSx1, MoEx0.5, GSx1)
1301.6.18	Standpipes
1301.6.19	Incidental uses
1301.6.20	Smoke compartmentation
1301.6.21.1	Patient ability for self preservation (I-2 only)
1301.6.21.2	Patient concentration (I-2 only)
1301.6.21.3	Attendant to patient ratio (I-2 only)
	Building Score
	Mandatory Score
	Building score - Mandatory score =

Example:

6 story (60') Type IB Office Building
Not sprinklered

Table 504.3 Allowable Height (AH) 160
Table 504.4 Allowable Stories (AS) 11

Existing Building Height (EBH) 60
Existing Building Stories (EBS) 6

Construction Type Factor (CF)
If AH-EBH = + CF = 1
If AH-EBH = -

FACTOR	TYPE OF CONSTRUCTION								
	IA	IB	IIA	IIB	IIIA	IIIB	IV	VA	VB
	1.2	1.5	2.2	3.5	2.5	3.5	2.3	3.3	7

AH-EBH =
160 – 60 = 100

CF =1

OSFM

Performance Method Compliance Evaluation

1301.6.1	**Building height**
1301.6.2	Building area
1301.6.3	Compartmentation
1301.6.4	Tenant & dwelling unit separation
1301.6.5	Corridor walls
1301.6.6	Vertical openings
1301.6.7	HVAC systems
1301.6.8	Automatic fire detection
1301.6.9	Fire alarm systems
1301.6.10	Smoke control
1301.6.11	Means of egress capacity and number
1301.6.12	Dead ends
1301.6.13	Maximum exit access travel distance at an exit
1301.6.14	Elevator control
1301.6.15	Means of egress emergency lighting
1301.6.16	Mixed occupancies
1301.6.17	Automatic sprinklers (FSx1, MoEx0.5, GSx1)
1301.6.18	Standpipes
1301.6.19	Incidental uses
1301.6.20	Smoke compartmentation
1301.6.21.1	Patient ability for self preservation (I-2 only)
1301.6.21.2	Patient concentration (I-2 only)
1301.6.21.3	Attendant to patient ratio (I-2 only)
	Building Score
	Mandatory Score
	Building score - Mandatory score =

Example:

6 story (60') Type IB Office Building
Not sprinklered

$$\text{Height value, feet} = \frac{(AH) - (EBH)}{12.5} \times CF$$

$$= 8$$

$$\text{Height value, stories} = (AS - EBS) \times CF$$

$$= 5$$

OSFM

Performance Method Compliance Evaluation

The **21 SAFETY PARAMETERS**

1301.6.1	Building height
1301.6.2	Building area
1301.6.3	Compartmentation
1301.6.4	Tenant & dwelling unit separation
1301.6.5	Corridor walls
1301.6.6	Vertical openings
1301.6.7	HVAC systems
1301.6.8	Automatic fire detection
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1301.6.18	Standpipes
1301.6.19	Incidental uses
1301.6.20	Smoke compartmentation
1301.6.21.1	Patient ability for self preservation (I-2 only)
1301.6.21.2	Patient concentration (I-2 only)
1301.6.21.3	Attendant to patient ratio (I-2 only)
	Building Score
	Mandatory Score
	Building score - Mandatory score =

Calculated Safety Score

for each

B Occupancy Classification

OCCUPANCY	FIRE SAFETY	MEANS OF EGRESS	GENERAL SAFETY
A-1			
A-2			
A-3			
A-4, E			
B	5	5	5
F			
I-2			
M			
R			
S-1			
S-2			

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Performance Method Compliance Evaluation

The **21 SAFETY PARAMETERS**

1301.6.1	**Building height**
1301.6.2	Building area
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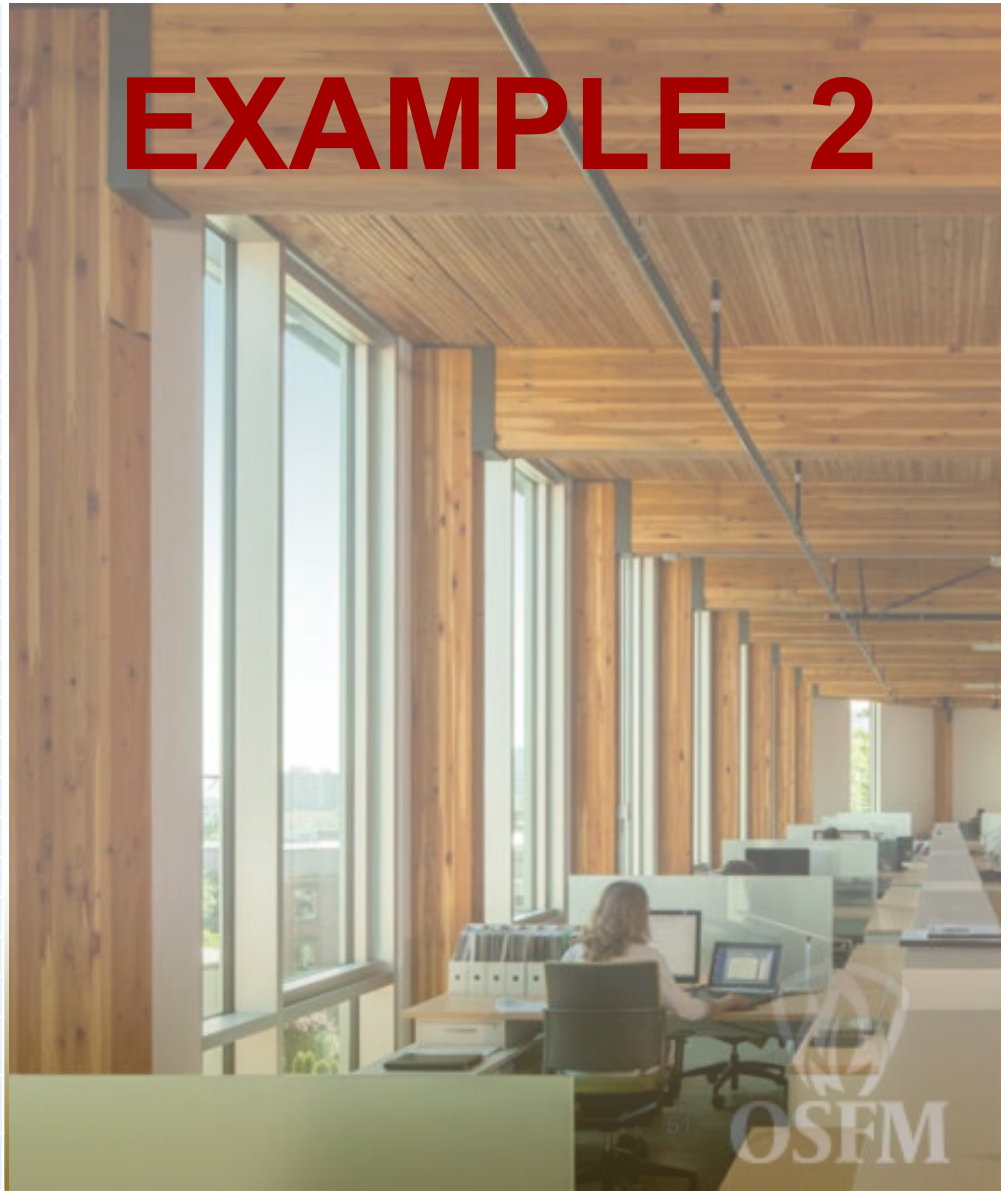
1301.6.18	Standpipes
1301.6.19	Incidental uses
1301.6.20	Smoke compartmentation
1301.6.21.1	Patient ability for self preservation (I-2 only)
1301.6.21.2	Patient concentration (I-2 only)
1301.6.21.3	Attendant to patient ratio (I-2 only)
	Building Score
	Mandatory Score
	Building score - Mandatory score =



Performance Method Compliance Evaluation

1301.6.1	**Building height**
1301.6.2	Building area
1301.6.3	Compartmentation
1301.6.4	Tenant & dwelling unit separation
1301.6.5	Corridor walls
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1301.6.19	Incidental uses
1301.6.20	Smoke compartmentation
1301.6.21.1	Patient ability for self preservation (I-2 only)
1301.6.21.2	Patient concentration (I-2 only)
1301.6.21.3	Attendant to patient ratio (I-2 only)
	Building Score
	Mandatory Score
	Building score - Mandatory score =

The value for this parameter is the lesser of

$$\text{Height value, feet} = \frac{(AH) - (EBH)}{12.5} \times CF$$

$$\text{Height value, stories} = (AS - EBS) \times CF$$

where:

AH = Allowable height in feet (mm) from Section 504 of the *International Building Code*.

EBH = *Existing building* height in feet (mm).

AS = Allowable height in stories from Section 504 of the *International Building Code*.

EBS = *Existing building* height in stories.

CF = 1 if (*AH*) – (*EBH*) is positive.

CF = Construction-type factor shown in Table 1301.6.6(2) if (*AH*) – (*EBH*) is negative.

FACTOR	TYPE OF CONSTRUCTION								
	IA	IB	IIA	IIB	IIIA	IIIB	IV	VA	VB
	1.2	1.5	2.2	3.5	2.5	3.5	2.3	3.3	7

Performance Method Compliance Evaluation

1301.6.1	**Building height**
1301.6.2	Building area
1301.6.3	Compartmentation
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1301.6.21.1	Patient ability for self preservation (I-2 only)
1301.6.21.2	Patient concentration (I-2 only)
1301.6.21.3	Attendant to patient ratio (I-2 only)
	Building Score
	Mandatory Score
	Building score - Mandatory score =

Example:

7 story (80') Type IIIB, M Sprinklered

Table 504.3 Allowable Height (AH) 55
Table 504.4 Allowable Stories (AS) 4

Existing Building Height (EBH) 80
Existing Building Stories (EBS) 7

Construction Type Factor (CF)
If AH-EBH = + CF = 1
If AH-EBH = -

FACTOR	TYPE OF CONSTRUCTION								
	IA	IB	IIA	IIB	IIIA	IIIB	IV	VA	VB
	1.2	1.5	2.2	3.5	2.5	3.5	2.3	3.3	7

AH-EBH =
55 + 20 (Sprinklers) – 80 = -5
4 + 1 (Sprinklers) – 7 = -2
CF =3.5

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Performance Method Compliance Evaluation

1301.6.1	**Building height**
1301.6.2	Building area
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1301.6.8	Automatic fire detection
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1301.6.15	Means of egress emergency lighting
1301.6.16	Mixed occupancies
1301.6.17	Automatic sprinklers (FSx1, MoEx0.5, GSx1)
1301.6.18	Standpipes
1301.6.19	Incidental uses
1301.6.20	Smoke compartmentation
1301.6.21.1	Patient ability for self preservation (I-2 only)
1301.6.21.2	Patient concentration (I-2 only)
1301.6.21.3	Attendant to patient ratio (I-2 only)
	Building Score
	Mandatory Score
	Building score - Mandatory score =

Example:

6 story (60') Type IB Office Building
Not sprinklered

$$\text{Height value, feet} = \frac{(AH) - (EBH)}{12.5} \times CF$$

$$= ((75\text{-}80)\text{X}3.5)/3.5$$

$$= \text{-1.4 or -2}$$

$$\text{Height value, stories} = (AS - EBS) \times CF$$

$$= ((4+1) - 7) \text{ x } 3.5$$

$$= -2 \text{ X } 3.5$$

$$= -7$$

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Performance Method Compliance Evaluation

The **21 SAFETY PARAMETERS**

1301.6.1	Building height
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1301.6.21.2	Patient concentration (I-2 only)
1301.6.21.3	Attendant to patient ratio (I-2 only)
	Building Score
	Mandatory Score
	Building score - Mandatory score =

Calculated Safety Score

for each

B Occupancy Classification

OCCUPANCY	FIRE SAFETY	MEANS OF EGRESS	GENERAL SAFETY
A-1			
A-2			
A-3			
A-4, E			
B			
F			
I-2			
M	-7	-7	-7
R			
S-1			
S-2			

OSFM

CEBC Chapter 14 Evaluation

Performance Method Compliance Evaluation

ilding Information

n Type	B
ng Fully Sprinklered?	IB
	No

Building Height

eight, ft (NCBC Table 504.3)	160
eight, ft (NCBC Table 504.3 Sprinkler)	160
ding Height, ft	60
eight in stories, NCBC 504.4	11
ding Height in stories	6
n Factor	1
e, ft (Eq. 14-1)	**8**
e, stories (Eq. 14-2)	**5**
ARAMETER	5

uilding Area

f Entire Building, ft	
at fronts on public way, ≥20 ft	
blic way, ft Equation 5-4 NCBC	
a per story (NCBC Table 506.2)	UL
ng Area, sq ft	
se Factor for sprinklers	0
se Factor for frontage	0
ea, per floor, sq ft	UL
(Eq. 14-4)	**15**
ARAMETER	15

ompartmentation

nt Size, sq ft	
ntation Value (CV)	**20**
ARAMETER	20

enant & Dwelling Unit Separations

tion Category	
ARAMETER	#REF!

orridor Walls

alls Category	
ARAMETER	#REF!

ertical Openings

umber of Floors Connected	

1401.6.7: HVAC Systems

HVAC System Category	Category d
SAFETY PARAMETER	0

1401.6.8: Automatic Fire Detection

Automatic Fire Detection Category	Category d
SAFETY PARAMETER	4

1401.6.9: Fire Alarm Systems

Fire Alarm Category	
SAFETY PARAMETER	#REF!

1401.6.10: Smoke Control

Smoke Control Category	
Has compliance with Category d or e in Section 1401.6.8.1 been obtained?	
SAFETY PARAMETER	#REF!

1401.6.11: Means of Egress

Means of Egress Category	
SAFETY PARAMETER	#REF!

1401.6.12: Dead Ends

Maximum Dead End Length, ft	
Dead End Width, ft	
SAFETY PARAMETER	2

1401.6.13: Maximum Exit Access Travel Distance

Maximum Actual Travel Distance, ft	
Single Exit? If yes, Story?	
Maximum Allowable Travel Distance, ft	200
SAFETY PARAMETER	20

1401.6.14: Elevator Control

Elevator Control Category	
Less than 25 ft of travel above or below the primary level of elevator access for emergency personnel?	
SAFETY PARAMETER	#REF!

1401.6.15: Means of Egress Emergency Lighting

Means of Egress Lighting Category	
Two or more exits?	
SAFETY PARAMETER	

Is there separation between the mix

occupancies?	
SAFETY PARAMETER	

1401.6.17: Automatic Sprinklers

Sprinkler System Category	
SAFETY PARAMETER	

1401.6.18: Standpipes

Standpipe System Category	
SAFETY PARAMETER	

1401.6.19: Incidental Use

Are there specific occupancy areas	
building area?	
Protection Provided	
Protection Required (Table 509.4.2)	
SAFETY PARAMETER	

1401.6.20 Smoke Compartmentat

Smoke Compartmentation Category	
SAFETY PARAMETER	

1401.6.21 I-2 Occupancy Specific

1401.6.21.1 Patient ability

Self Preservation Category	
SAFETY PARAMETER	

1401.6.21.2 Patient conce

Patient Concentration Cate	
SAFETY PARAMETER	

1401.6.21.3 Attendent to

Attendent to Patient Ratio C	
SAFETY PARAMETER	

SUMMARY

Mandatory Safety Scores

Mandatory Fire Safety	(M
Mandatory Means of Egre	(M
Mandatory General Safety	(M

Building Score Total Values

Fire Safety	(
Means of Egress	(
General Safety	(

Performance Method Compliance Evaluation

OSFM

Performance Method Compliance Evaluation

1301.6.1	Building height
1301.6.2	**Building area**
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1301.6.21.1	Patient ability for self preservation (I-2 only)
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	Building Score
	Mandatory Score
	Building score - Mandatory score =

Floor by floor basis for each occupancy type.

Single Occupancy?
Separate Mixed?
Non Separated Mixed?

For Group I-2 occupancies, the maximum area point value is zero

OSFM

Performance Method Compliance Evaluation

1301.6.1	Building height
1301.6.2	Building area
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1301.6.6	Vertical openings
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	Building Score
	Mandatory Score
	Building score - Mandatory score =

No 2-Hour Horizontal Assembly? Then the entire building area ia a SINGLE compartment

Multistory buildings must be Type I to take advantage of this safety parameter.

OSFM

Performance Method Compliance Evaluation

1301.6.1	Building height
1301.6.2	Building area
1301.6.3	Compartmentation
1301.6.4	**Tenant & unit separation**
1301.6.5	Corridor walls
1301.6.6	Vertical openings
1301.6.7	HVAC systems
1301.6.8	Automatic fire detection
1301.6.9	Fire alarm systems
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1301.6.21.1	Patient ability for self preservation (I-2 only)
1301.6.21.2	Patient concentration (I-2 only)
1301.6.21.3	Attendant to patient ratio (I-2 only)
	Building Score
	Mandatory Score
	Building score - Mandatory score =

Fire partitions do not need to be supported by fire resistance rated construction in buildings of unprotected construction.

Rated horizontal dwelling unit separations do not need to be supported by fire resistance rated construction in buildings of unprotected construction.

(Does not address exit access or corridor construction)

OSFM

Performance Method Compliance Evaluation

1301.6.1	Building height
1301.6.2	Building area
1301.6.3	Compartmentation
1301.6.4	Tenant & dwelling unit separation
1301.6.5	**Corridor walls**
1301.6.6	Vertical openings
1301.6.7	HVAC systems
1301.6.8	Automatic fire detection
1301.6.9	Fire alarm systems
1301.6.10	Smoke control
1301.6.11	Means of egress capacity and number
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1301.6.21.3	Attendant to patient ratio (I-2 only)
	Building Score
	Mandatory Score
	Building score - Mandatory score =

The more robust the enclosure of the exit access corridor, the greater the level of protection which results in a higher score.

OSFM

Performance Method Compliance Evaluation

1301.6.1	Building height
1301.6.2	Building area
1301.6.3	Compartmentation
1301.6.4	Tenant & dwelling unit separation
1301.6.5	Corridor walls
1301.6.6	**Vertical openings**
1301.6.7	HVAC systems
1301.6.8	Automatic fire detection
1301.6.9	Fire alarm systems
1301.6.10	Smoke control
1301.6.11	Means of egress capacity and number
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1301.6.21.1	Patient ability for self preservation (I-2 only)
1301.6.21.2	Patient concentration (I-2 only)
1301.6.21.3	Attendant to patient ratio (I-2 only)
	Building Score
	Mandatory Score
	Building score - Mandatory score =

Stairs, multiple story ramps, hoistways, escalators, atria and other shaft openings.

Must be Type 1 construction to take advantage of these available points.

OSFM

Performance Method Compliance Evaluation

1301.6.1	Building height
1301.6.2	Building area
1301.6.3	Compartmentation
1301.6.4	Tenant & dwelling unit separation
1301.6.5	Corridor walls
1301.6.6	Vertical openings
1301.6.7	**HVAC systems**
1301.6.8	Automatic fire detection
1301.6.9	Fire alarm systems
1301.6.10	Smoke control
1301.6.11	Means of egress capacity and number
1301.6.12	Dead ends
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1301.6.19	Incidental uses
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1301.6.21.1	Patient ability for self preservation (I-2 only)
1301.6.21.2	Patient concentration (I-2 only)
1301.6.21.3	Attendant to patient ratio (I-2 only)
	Building Score
	Mandatory Score
	Building score - Mandatory score =

This addresses the ability of the building's HVAC system to limit the spread of fire/smoke from the area or origin.

This applies to air handling systems that use supply air, return air or exhaust air such as toilet exhaust.

OSFM

Performance Method Compliance Evaluation

1301.6.1	Building height
1301.6.2	Building area
1301.6.3	Compartmentation
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1301.6.5	Corridor walls
1301.6.6	Vertical openings
1301.6.7	HVAC systems
1301.6.8	**Automatic fire detection**
1301.6.9	Fire alarm systems
1301.6.10	Smoke control
1301.6.11	Means of egress capacity and number
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	Building Score
	Mandatory Score
	Building score - Mandatory score =

This addresses the location and operation of the smoke detectors.

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Performance Method Compliance Evaluation

1301.6.1	Building height
1301.6.2	Building area
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1301.6.6	Vertical openings
1301.6.7	HVAC systems
1301.6.8	Automatic fire detection
1301.6.9	**Fire alarm systems**
1301.6.10	Smoke control
1301.6.11	Means of egress capacity and number
1301.6.12	Dead ends
1301.6.13	Maximum exit access travel distance at an exit
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1301.6.20	Smoke compartmentation
1301.6.21.1	Patient ability for self preservation (I-2 only)
1301.6.21.2	Patient concentration (I-2 only)
1301.6.21.3	Attendant to patient ratio (I-2 only)
	Building Score
	Mandatory Score
	Building score - Mandatory score =

This addresses the capability of the fire alarm system and is different than the fire detection system.

(manual means for initiating an alarm, dedicated circuits, notification appliances such as horns, bells, speakers and strobes)

OSFM

Performance Method Compliance Evaluation

1301.6.1	Building height
1301.6.2	Building area
1301.6.3	Compartmentation
1301.6.4	Tenant & dwelling unit separation
1301.6.5	Corridor walls
1301.6.6	Vertical openings
1301.6.7	HVAC systems
1301.6.8	Automatic fire detection
1301.6.9	Fire alarm systems
1301.6.10	**Smoke control**
1301.6.11	Means of egress capacity and number
1301.6.12	Dead ends
1301.6.13	Maximum exit access travel distance at an exit
1301.6.14	Elevator control
1301.6.15	Means of egress emergency lighting
1301.6.16	Mixed occupancies
1301.6.17	Automatic sprinklers (FSx1, MoEx0.5, GSx1)
1301.6.18	Standpipes
1301.6.19	Incidental uses
1301.6.20	Smoke compartmentation
1301.6.21.1	Patient ability for self preservation (I-2 only)
1301.6.21.2	Patient concentration (I-2 only)
1301.6.21.3	Attendant to patient ratio (I-2 only)
	Building Score
	Mandatory Score
	Building score - Mandatory score =

This addresses the ability of a natural or mechanical venting exhaust or pressurization system to control the movement of smoke.

OSFM

Performance Method Compliance Evaluation

1301.6.1	Building height
1301.6.2	Building area
1301.6.3	Compartmentation
1301.6.4	Tenant & dwelling unit separation
1301.6.5	Corridor walls
1301.6.6	Vertical openings
1301.6.7	HVAC systems
1301.6.8	Automatic fire detection
1301.6.9	Fire alarm systems
1301.6.10	Smoke control
1301.6.11	**Means of Egress capacity**
1301.6.12	Dead ends
1301.6.13	Maximum exit access travel distance at an exit
1301.6.14	Elevator control
1301.6.15	Means of egress emergency lighting
1301.6.16	Mixed occupancies
1301.6.17	Automatic sprinklers (FSx1, MoEx0.5, GSx1)
1301.6.18	Standpipes
1301.6.19	Incidental uses
1301.6.20	Smoke compartmentation
1301.6.21.1	Patient ability for self preservation (I-2 only)
1301.6.21.2	Patient concentration (I-2 only)
1301.6.21.3	Attendant to patient ratio (I-2 only)
	Building Score
	Mandatory Score
	Building score - Mandatory score =

Exit number and capacity.

OSFM

Performance Method Compliance Evaluation

1301.6.1	Building height
1301.6.2	Building area
1301.6.3	Compartmentation
1301.6.4	Tenant & dwelling unit separation
1301.6.5	Corridor walls
1301.6.6	Vertical openings
1301.6.7	HVAC systems
1301.6.8	Automatic fire detection
1301.6.9	Fire alarm systems
1301.6.10	Smoke control
1301.6.11	Means of egress capacity and number
1301.6.12	**Dead ends**
1301.6.13	Maximum exit access travel distance at an exit
1301.6.14	Elevator control
1301.6.15	Means of egress emergency lighting
1301.6.16	Mixed occupancies
1301.6.17	Automatic sprinklers (FSx1, MoEx0.5, GSx1)
1301.6.18	Standpipes
1301.6.19	Incidental uses
1301.6.20	Smoke compartmentation
1301.6.21.1	Patient ability for self preservation (I-2 only)
1301.6.21.2	Patient concentration (I-2 only)
1301.6.21.3	Attendant to patient ratio (I-2 only)
	Building Score
	Mandatory Score
	Building score - Mandatory score =

Presence and length of dead-end corridors regardless of occupancy type.

OSFM

Performance Method Compliance Evaluation

1301.6.1	Building height
1301.6.2	Building area
1301.6.3	Compartmentation
1301.6.4	Tenant & dwelling unit separation
1301.6.5	Corridor walls
1301.6.6	Vertical openings
1301.6.7	HVAC systems
1301.6.8	Automatic fire detection
1301.6.9	Fire alarm systems
1301.6.10	Smoke control
1301.6.11	Means of egress capacity and number
1301.6.12	Dead ends
1301.6.13	**Maximum exit access travel**
1301.6.14	Elevator control
1301.6.15	Means of egress emergency lighting
1301.6.16	Mixed occupancies
1301.6.17	Automatic sprinklers (FSx1, MoEx0.5, GSx1)
1301.6.18	Standpipes
1301.6.19	Incidental uses
1301.6.20	Smoke compartmentation
1301.6.21.1	Patient ability for self preservation (I-2 only)
1301.6.21.2	Patient concentration (I-2 only)
1301.6.21.3	Attendant to patient ratio (I-2 only)
	Building Score
	Mandatory Score
	Building score - Mandatory score =

Length of exit access travel.

OSFM

Performance Method Compliance Evaluation

1301.6.1	Building height
1301.6.2	Building area
1301.6.3	Compartmentation
1301.6.4	Tenant & dwelling unit separation
1301.6.5	Corridor walls
1301.6.6	Vertical openings
1301.6.7	HVAC systems
1301.6.8	Automatic fire detection
1301.6.9	Fire alarm systems
1301.6.10	Smoke control
1301.6.11	Means of egress capacity and number
1301.6.12	Dead ends
1301.6.13	Maximum exit access travel distance at an exit
1301.6.14	**Elevator control**
1301.6.15	Means of egress emergency lighting
1301.6.16	Mixed occupancies
1301.6.17	Automatic sprinklers (FSx1, MoEx0.5, GSx1)
1301.6.18	Standpipes
1301.6.19	Incidental uses
1301.6.20	Smoke compartmentation
1301.6.21.1	Patient ability for self preservation (I-2 only)
1301.6.21.2	Patient concentration (I-2 only)
1301.6.21.3	Attendant to patient ratio (I-2 only)
	Building Score
	Mandatory Score
	Building score - Mandatory score =

Phase I emergency elevator recall.

Phase II emergency in-car operations for passengers.

Freight elevators are not evaluated.

OSFM

Performance Method Compliance Evaluation

1301.6.1	Building height
1301.6.2	Building area
1301.6.3	Compartmentation
1301.6.4	Tenant & dwelling unit separation
1301.6.5	Corridor walls
1301.6.6	Vertical openings
1301.6.7	HVAC systems
1301.6.8	Automatic fire detection
1301.6.9	Fire alarm systems
1301.6.10	Smoke control
1301.6.11	Means of egress capacity and number
1301.6.12	Dead ends
1301.6.13	Maximum exit access travel distance at an exit
1301.6.14	Elevator control
1301.6.15	**Emergency lighting**
1301.6.16	Mixed occupancies
1301.6.17	Automatic sprinklers (FSx1, MoEx0.5, GSx1)
1301.6.18	Standpipes
1301.6.19	Incidental uses
1301.6.20	Smoke compartmentation
1301.6.21.1	Patient ability for self preservation (I-2 only)
1301.6.21.2	Patient concentration (I-2 only)
1301.6.21.3	Attendant to patient ratio (I-2 only)
	Building Score
	Mandatory Score
	Building score - Mandatory score =

Emergency power

OSFM

Performance Method Compliance Evaluation

1301.6.1	Building height
1301.6.2	Building area
1301.6.3	Compartmentation
1301.6.4	Tenant & dwelling unit separation
1301.6.5	Corridor walls
1301.6.6	Vertical openings
1301.6.7	HVAC systems
1301.6.8	Automatic fire detection
1301.6.9	Fire alarm systems
1301.6.10	Smoke control
1301.6.11	Means of egress capacity and number
1301.6.12	Dead ends
1301.6.13	Maximum exit access travel distance at an exit
1301.6.14	Elevator control
1301.6.15	Means of egress emergency lighting
1301.6.16	**Mixed occupancies**
1301.6.17	Automatic sprinklers (FSx1, MoEx0.5, GSx1)
1301.6.18	Standpipes
1301.6.19	Incidental uses
1301.6.20	Smoke compartmentation
1301.6.21.1	Patient ability for self preservation (I-2 only)
1301.6.21.2	Patient concentration (I-2 only)
1301.6.21.3	Attendant to patient ratio (I-2 only)
	Building Score
	Mandatory Score
	Building score - Mandatory score =

Rated vertical and horizontal separations.

OSFM

Performance Method Compliance Evaluation

1301.6.1	Building height
1301.6.2	Building area
1301.6.3	Compartmentation
1301.6.4	Tenant & dwelling unit separation
1301.6.5	Corridor walls
1301.6.6	Vertical openings
1301.6.7	HVAC systems
1301.6.8	Automatic fire detection
1301.6.9	Fire alarm systems
1301.6.10	Smoke control
1301.6.11	Means of egress capacity and number
1301.6.12	Dead ends
1301.6.13	Maximum exit access travel distance at an exit
1301.6.14	Elevator control
1301.6.15	Means of egress emergency lighting
1301.6.16	Mixed occupancies
1301.6.17	**Automatic sprinklers**
1301.6.18	Standpipes
1301.6.19	Incidental uses
1301.6.20	Smoke compartmentation
1301.6.21.1	Patient ability for self preservation (I-2 only)
1301.6.21.2	Patient concentration (I-2 only)
1301.6.21.3	Attendant to patient ratio (I-2 only)
	Building Score
	Mandatory Score
	Building score - Mandatory score =

NFPA 13

Presence of NFPA 13R system as permitted for 4 story or less Is not considered by this safety parameter

OSFM

Performance Method Compliance Evaluation

1301.6.1	Building height
1301.6.2	Building area
1301.6.3	Compartmentation
1301.6.4	Tenant & dwelling unit separation
1301.6.5	Corridor walls
1301.6.6	Vertical openings
1301.6.7	HVAC systems
1301.6.8	Automatic fire detection
1301.6.9	Fire alarm systems
1301.6.10	Smoke control
1301.6.11	Means of egress capacity and number
1301.6.12	Dead ends
1301.6.13	Maximum exit access travel distance at an exit
1301.6.14	Elevator control
1301.6.15	Means of egress emergency lighting
1301.6.16	Mixed occupancies
1301.6.17	Automatic sprinklers (FSx1, MoEx0.5, GSx1)
1301.6.18	**Standpipes**
1301.6.19	Incidental uses
1301.6.20	Smoke compartmentation
1301.6.21.1	Patient ability for self preservation (I-2 only)
1301.6.21.2	Patient concentration (I-2 only)
1301.6.21.3	Attendant to patient ratio (I-2 only)
	Building Score
	Mandatory Score
	Building score - Mandatory score =

Credit for ability to initiate interior fire fighting operations

Buildings without are penalized

OSFM

Performance Method Compliance Evaluation

1301.6.1	Building height
1301.6.2	Building area
1301.6.3	Compartmentation
1301.6.4	Tenant & dwelling unit separation
1301.6.5	Corridor walls
1301.6.6	Vertical openings
1301.6.7	HVAC systems
1301.6.8	Automatic fire detection
1301.6.9	Fire alarm systems
1301.6.10	Smoke control
1301.6.11	Means of egress capacity and number
1301.6.12	Dead ends
1301.6.13	Maximum exit access travel distance at an exit
1301.6.14	Elevator control
1301.6.15	Means of egress emergency lighting
1301.6.16	Mixed occupancies
1301.6.17	Automatic sprinklers (FSx1, MoEx0.5, GSx1)
1301.6.18	Standpipes
1301.6.19	**Incidental uses**
1301.6.20	Smoke compartmentation
1301.6.21.1	Patient ability for self preservation (I-2 only)
1301.6.21.2	Patient concentration (I-2 only)
1301.6.21.3	Attendant to patient ratio (I-2 only)
	Building Score
	Mandatory Score
	Building score - Mandatory score =

Credit for

- Passive (enclosure) protection
- Active (automatic sprinkler) protection

OSFM

Performance Method Compliance Evaluation

1301.6.1	Building height
1301.6.2	Building area
1301.6.3	Compartmentation
1301.6.4	Tenant & dwelling unit separation
1301.6.5	Corridor walls
1301.6.6	Vertical openings
1301.6.7	HVAC systems
1301.6.8	Automatic fire detection
1301.6.9	Fire alarm systems
1301.6.10	Smoke control
1301.6.11	Means of egress capacity and number
1301.6.12	Dead ends
1301.6.13	Maximum exit access travel distance at an exit
1301.6.14	Elevator control
1301.6.15	Means of egress emergency lighting
1301.6.16	Mixed occupancies
1301.6.17	Automatic sprinklers (FSx1, MoEx0.5, GSx1)
1301.6.18	Standpipes
1301.6.19	Incidental uses
1301.6.20	**Smoke compartmentation**
1301.6.21.1	Patient ability for self preservation (I-2 only)
1301.6.21.2	Patient concentration (I-2 only)
1301.6.21.3	Attendant to patient ratio (I-2 only)
	Building Score
	Mandatory Score
	Building score - Mandatory score =

Credit for

Smoke barrier providing minimum of 1 hour restricted passage

OSFM

Performance Method Compliance Evaluation

1301.6.1	Building height
1301.6.2	Building area
1301.6.3	Compartmentation
1301.6.4	Tenant & dwelling unit separation
1301.6.5	Corridor walls
1301.6.6	Vertical openings
1301.6.7	HVAC systems
1301.6.8	Automatic fire detection
1301.6.9	Fire alarm systems
1301.6.10	Smoke control
1301.6.11	Means of egress capacity and number
1301.6.12	Dead ends
1301.6.13	Maximum exit access travel distance at an exit
1301.6.14	Elevator control
1301.6.15	Means of egress emergency lighting
1301.6.16	Mixed occupancies
1301.6.17	Automatic sprinklers (FSx1, MoEx0.5, GSx1)
1301.6.18	Standpipes
1301.6.19	Incidental uses
1301.6.20	Smoke compartmentation
1301.6.21.1	**Ability for self preservation**
1301.6.21.2	Patient concentration (I-2 only)
1301.6.21.3	Attendant to patient ratio (I-2 only)
	Building Score
	Mandatory Score
	Building score - Mandatory score =

Patient safety in health care occupancies not applicable to other types

OSFM

Performance Method Compliance Evaluation

1301.6.1	Building height
1301.6.2	Building area
1301.6.3	Compartmentation
1301.6.4	Tenant & dwelling unit separation
1301.6.5	Corridor walls
1301.6.6	Vertical openings
1301.6.7	HVAC systems
1301.6.8	Automatic fire detection
1301.6.9	Fire alarm systems
1301.6.10	Smoke control
1301.6.11	Means of egress capacity and number
1301.6.12	Dead ends
1301.6.13	Maximum exit access travel distance at an exit
1301.6.14	Elevator control
1301.6.15	Means of egress emergency lighting
1301.6.16	Mixed occupancies
1301.6.17	Automatic sprinklers (FSx1, MoEx0.5, GSx1)
1301.6.18	Standpipes
1301.6.19	Incidental uses
1301.6.20	Smoke compartmentation
1301.6.21.1	Patient ability for self preservation (I-2 only)
1301.6.21.2	**Patient concentration** (I-2 only)
1301.6.21.3	Attendant to patient ratio (I-2 only)
	Building Score
	Mandatory Score
	Building score - Mandatory score =

OSFM

Performance Method Compliance Evaluation

1301.6.1	Building height
1301.6.2	Building area
1301.6.3	Compartmentation
1301.6.4	Tenant & dwelling unit separation
1301.6.5	Corridor walls
1301.6.6	Vertical openings
1301.6.7	HVAC systems
1301.6.8	Automatic fire detection
1301.6.9	Fire alarm systems
1301.6.10	Smoke control
1301.6.11	Means of egress capacity and number
1301.6.12	Dead ends
1301.6.13	Maximum exit access travel distance at an exit
1301.6.14	Elevator control
1301.6.15	Means of egress emergency lighting
1301.6.16	Mixed occupancies
1301.6.17	Automatic sprinklers (FSx1, MoEx0.5, GSx1)
1301.6.18	Standpipes
1301.6.19	Incidental uses
1301.6.20	Smoke compartmentation
1301.6.21.1	Patient ability for self preservation (I-2 only)
1301.6.21.2	Patient concentration (I-2 only)
1301.6.21.3	**Attendant to patient ratio**
	Building Score
	Mandatory Score
	Building score - Mandatory score =

OSFM

Performance Method Compliance Evaluation

1301.6.1	Building height
1301.6.2	Building area
1301.6.3	Compartmentation
1301.6.4	Tenant & dwelling unit separation
1301.6.5	Corridor walls
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1301.6.9	Fire alarm systems
1301.6.10	Smoke control
1301.6.11	Means of egress capacity and number
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1301.6.16	Mixed occupancies
1301.6.17	Automatic sprinklers (FSx1, MoEx0.5, GSx1)
1301.6.18	Standpipes
1301.6.19	Incidental uses
1301.6.20	Smoke compartmentation
1301.6.21.1	Patient ability for self preservation (I-2 only)
1301.6.21.2	Patient concentration (I-2 only)
1301.6.21.3	Attendant to patient ratio (I-2 only)
	Building Score
	Mandatory Score
	Building score - Mandatory score =

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Is the Building Fully Sprinklered?	NFPA 13

1401.6.1.: Building Height

Allowable Height, ft (NCBC Table 504.3)	65
Allowable Height, ft (NCBC Table 504.3 Sprinkl	85
Existing Building Height, ft	39
Allowable Height in stories, NCBC 504.4	5
Existing Building Height in stories	1
Construction Factor	1
Height Value, ft (Eq. 14-1)	**3.68**
Height Value, stories (Eq. 14-2)	**4**
SAFETY PARAMETER (FS) (ME) (GS)	3.68

1401.6.2: Building Area

Perimeter of Entire Building, ft	3600
Perimeter that fronts on public way, ≥20 ft	1500
Width of public way, ft W from Equation 5-4 NCB	30
Tabular Area per story (NCBC Table 506.2)	24000
Actual Building Area, sq ft	24000
Area Increase Factor for sprinklers	3
Area Increase Factor for frontage	0.17
Allowable Area, per floor, sq ft	100080
Area Value (Eq. 14-4)	**63.4**
SAFETY PARAMETER (FS) (ME) (GS)	10.5

1401.6.3: Compartmentation

Compartment Size, sq ft	10001
Compartmentation Value (CV)	**0**
SAFETY PARAMETER (FS) (ME) (GS)	0

1401.6.4: Tenant & Dwelling Unit Separations

Unit Separation Category	Category c
SAFETY PARAMETER (FS) (ME) (GS)	0

1401.6.5: Corridor Walls

Corridor Walls Category	Category c
SAFETY PARAMETER (FS) (ME) (GS)	0

1401.6.6: Vertical Openings

Maximum Number of Floors Connected	1
Type of Protection	None
Protection Value	N/A
Construction Type Factor	2.2
Vertical Opening Value (Eq. 14-5)	**N/A**
SAFETY PARAMETER (FS) (ME) (GS)	2

1401.6.8: Automatic Fire Detection

Automatic Fire Detection Category	Category b
SAFETY PARAMETER (FS) (ME) (I	-5

1401.6.9: Fire Alarm Systems

Fire Alarm Category	Category b
SAFETY PARAMETER (FS) (ME) (I	-5

1401.6.10: Smoke Control

Smoke Control Category	Category a
SAFETY PARAMETER (ME) (GS)	0

1401.6.11: Means of Egress

Means of Egress Category	Category c
SAFETY PARAMETER (ME) (GS)	0

1401.6.12: Dead Ends

Maximum Dead End Length, ft	70
Dead End Width, ft	5
SAFETY PARAMETER (ME) (GS)	-2

1401.6.13: Maximum Exit Access Travel Distance

Maximum Actual Travel Distance, ft	270
Single Exit? No — If yes, Story?	
Maximum Allowable Travel Distance, ft	250
SAFETY PARAMETER (ME) (GS)	-1.6

1401.6.14: Elevator Control

Elevator Control Category	Category c
Less than 25 ft of travel above or below the primary level of elevator access for emergency personnel?	No
SAFETY PARAMETER (FS) (ME) (I	0

1401.6.15: Means of Egress Emergency Lighting

Means of Egress Lighting Category	Category c
Two or more exits?	Yes
SAFETY PARAMETER (ME) (GS)	4

1401.6.16 Mixed Occupancies

Mixed Occupancy Category	Category a
Does the building have mixed occupancies?	Yes
Is there separation between the mixed occupancies?	Yes
SAFETY PARAMETER (FS) (GS)	-10

1401.6.18: Standpipes

Standpipe System Category	Category a
SAFETY PARAMETER (FS) (ME) (G	-6

1401.6.19: Incidental Use

Are there incidental use areas in the building area?	Yes
Protection Provided	None
Protection Required (Table 509)	1 Hour
SAFETY PARAMETER (FS) (ME) (G	-1

1401.6.20 Smoke Compartmentation

Smoke Compartmentation Category	Category b
SAFETY PARAMETER (FS) (ME) (G	0

1401.6.21 I-2 Occupancy Specifications

1401.6.21.1 Patient ability for self preservation

Self Preservation Category	Category a
SAFETY PARAMETER (ME) (C	0

1401.6.21.2 Patient concentration

Patient Concentration Category	Category b
SAFETY PARAMETER (ME) (C	0

1401.6.21.3 Attendent to patient ratio

Attendent to Patient Ratio Categor	Category a
SAFETY PARAMETER (ME) (C	0

SUMMARY

Mandatory Safety Scores

Mandatory Fire Safety	(MFS)	21
Mandatory Means of E	(MME)	38
Mandatory General Sa	(MGS)	38

Building Score Total Values

Fire Safety	(FS)	-15.82	FAIL
Means of Egress	(ME)	-5.42	FAIL
General Safety	(GS)	-15.42	FAIL

Notes:

Effective Use of the Existing Building Code

- ✓ Background
  - ✓ Development of the Existing Building Code in NC

- ✓ Applicability
  - ✓ The code shall apply to…
  - ✓ Duties and Powers of Code Officials
  - ✓ Key Terms

- ✓ Three (3) Means of Compliance
  - ✓ Prescriptive
  - ✓ Work area
  - ✓ Performance

- ✓ Performance Compliance Method Evaluation

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THANK YOU

Pam Schooler, PE, Chief Existing Building Code Consultant, OSFM