Comment **Commentaires**

Document	NBC 2005 CNB	Document
Provision	9.13.4.2., 9.13.4.3., 9.13.4.4., 9.13.4.5., 9.13.4.7.; 9.25.3.	Exigence
Committee	ES-HSB Joint Task Group on Protection Against Radon Ingress	Comité
Minutes	3rd meeting of JTG	Procès-verbaux

EXISTING PROVISION

9.13.4.2. Material Standards

1) Materials used to provide a barrier to *soil* gas ingress through floors-on-ground shall conform to CAN/CGSB-51.34-M, "Vapour Barrier, Polyethylene Sheet for Use in Building Construction."

9.13.4.3. Soil Gas Control in Masonry Walls

(See A-9.13.4.3., 9.13.4.5. and 9.13.4.7. in Appendix A.)

1) Masonry walls required to provide a barrier to *soil* gas ingress shall
a) include a course of masonry units without voids, or
b) be sealed with flashing material extending across the full width of the masonry.

2) The masonry course or flashing described in Sentence (1) shall
a) be located at the level of the adjoining floor and be sealed to it in accordance with Article 9.13.4.7., or
b) in the absence of a floor, be located at the level of the ground cover required by Article 9.18.6.1. and be sealed to it.

9.13.4.4. Soil Gas Control in Underground Roofs

1) Waterproofing systems for roofs of underground structures shall be sealed to the *soil* gas barrier in the walls.

9.13.4.5. Soil Gas Barriers in Floors

(See A-9.13.4.3., 9.13.4.5. and 9.13.4.7. in Appendix A.)

1) Where the floor-on-ground is a concrete slab, the *soil* gas barrier shall be
a) installed below the slab, or
b) applied to the top of the slab, provided a separate floor is installed over the slab.

(See A-9.13.4.5.(1) and (2) in Appendix A.)

2) Where the *soil* gas barrier is installed below a slab-on-ground, joints in the barrier shall be lapped not less than 300 mm. (See A-9.13.4.5.(1) and (2) in Appendix A.)

3) Where the *soil* gas barrier is installed above a slab-on-ground, joints in the barrier shall be sealed.

4) Where installed in conjunction with a framed floor-on-ground, the *soil* gas barrier shall be installed in accordance with Articles 9.25.3.2. and 9.25.3.3.

9.13.4.7. Sealing of the Perimeter and Penetrations

(See A-9.13.4.3., 9.13.4.5. and 9.13.4.7. in Appendix A.)

1) A floor-on-ground shall be sealed around its perimeter to the inner surfaces of adjacent walls using flexible sealant.

2) All penetrations of a floor-on-ground by pipes or other objects shall be sealed against *soil* gas leakage.

3) All penetrations of a floor-on-ground that are required to drain water from the floor surface shall be sealed in a manner that prevents the upward flow of *soil* gas without preventing the downward flow of liquid water.

9.25.3. Air Barrier Systems

9.25.3.1. Required Barrier to Air Leakage

1) Thermally insulated wall, ceiling and floor assemblies shall be constructed so as to include an *air barrier system* that will provide a continuous barrier to air leakage

a) from the interior of the *building* into wall, floor, *attic or roof spaces*, sufficient to prevent excessive moisture condensation in such spaces during the winter, and

b) from the exterior inward sufficient to prevent moisture condensation on the room side during winter and to ensure comfortable conditions for the occupants.

(See Appendix A.)

9.25.3.2. Air Barrier System Properties

(See Appendix A.)

1) *Air barrier systems* shall possess the characteristics necessary to provide an effective barrier to air infiltration and exfiltration under differential air pressure due to stack effect, mechanical systems or wind.

2) Where polyethylene sheet is used to provide airtightness in the *air barrier system*, it shall conform to CAN/CGSB-51.34-M, "Vapour Barrier, Polyethylene Sheet for Use in Building Construction."

9.25.3.3. Continuity of the Air Barrier System

1) Where the *air barrier system* consists of an air-impermeable panel-type material, all joints shall be sealed to prevent air leakage.

2) Where the *air barrier system* consists of flexible sheet material, all joints shall be

a) sealed, or

b) lapped not less than 100 mm and clamped, such as between framing members, furring or blocking and rigid panels.

3) Where an interior wall meets an exterior wall, ceiling, floor or roof required to be provided with air barrier protection, the *air barrier system* shall extend across the intersection.

4) Where an interior wall projects through a ceiling or extends to become an exterior wall, spaces in the wall shall be blocked to provide continuity across those spaces with the *air barrier system* in the abutting walls or ceiling.

5) Where an interior floor projects through an exterior wall or extends to become an exterior floor, continuity of the *air barrier system* shall be maintained from the abutting walls across the floor assembly.

6) Penetrations of the *air barrier system*, such as those created by the installation of doors, windows, electrical wiring, electrical boxes, piping or ductwork, shall be sealed to maintain the integrity of the *air barrier system* over the entire surface.

7) Access hatches installed through assemblies constructed with an *air barrier system* shall be weatherstripped around their perimeters to prevent air leakage.

8) Clearances between *chimneys* or *gas vents* and the surrounding construction that would permit air leakage from within the *building* into a wall or *attic or roof space* shall be sealed by *noncombustible* material to prevent such leakage.

PROPOSED CHANGE

Replace Articles 9.25.3.1. to 9.25.3.3.
Move Article 9.13.4.3.-2005 to Article 9.25.3.4.-2010 with changes
Move Article 9.13.4.4.-2005 to Article 9.25.3.5.-2010 with changes
Move Article 9.13.4.2.-2005 to Sentence 9.25.3.6.(1)-2010 with changes
Move Sentences 9.13.4.5.(1), (2) and (4)-2005 to Sentences 9.25.3.6.(2), (3) and (4)-2010 with changes

Delete Sentence 9.13.4.5.(3)-2005
Move Sentences 9.13.4.7.(1) and (3)-2005 to Sentences 9.25.3.6.(5) and (6)-2010 with changes
Delete Sentence 9.13.4.7.(2)-2005

Other Code Provisions Affected: None

9.25.3. Air Barrier Systems

9.25.3.1. Required Barrier to Air Leakage

1) ~~Thermally insulated~~ Wall, ceiling and floor assemblies separating *conditioned space* from unconditioned space shall be constructed so as to include an *air barrier system* that will provide a continuous barrier to air leakage

a) from the interior of the *building* into wall, floor, *attic or roof spaces*, sufficient to prevent excessive moisture condensation in such spaces during the winter, and

b) from the exterior or the ground inward sufficient to

i) prevent moisture condensation on the room side during winter,

ii) ensure comfortable conditions for the occupants, and

iii) minimize the ingress of soil gas.

(See Appendix A.)

9.25.3.2. Air Barrier System Properties

(See Appendix A.)

1) *Air barrier systems* shall possess the characteristics necessary to provide an effective barrier to air infiltration and exfiltration under differential air pressure due to stack effect, mechanical systems or wind.

2) Where polyethylene sheet is used to provide airtightness in the *air barrier system*, it shall conform to CAN/CGSB-51.34-M, "Vapour Barrier, Polyethylene Sheet for Use in Building Construction."

9.25.3.3. Continuity of the Air Barrier System

1) Where the *air barrier system* consists of an air-impermeable panel-type material, all joints shall be sealed to prevent air leakage.

2) Except as provided in Sentence 9.25.3.6.(3), ~~W~~where the *air barrier system* consists of flexible sheet material, all joints shall be

a) sealed, or

b) lapped not less than 100 mm and clamped, such as between framing members, furring or blocking and rigid panels.

3) Where an interior wall meets an exterior wall, ceiling, floor or roof required to be provided with air barrier protection, the *air barrier system* shall extend across the intersection.

4) Where an interior wall projects through a ceiling or extends to become an exterior wall, spaces in the wall shall be blocked to provide continuity across those spaces with the *air barrier system* in the abutting walls or ceiling.

5) Where an interior floor projects through an exterior wall or extends to become an exterior floor, continuity of the *air barrier system* shall be maintained from the abutting walls across the floor assembly.

6) Penetrations of the *air barrier system*, such as those created by the installation of doors, windows, electrical wiring, electrical boxes, piping or ductwork, shall be sealed to maintain the integrity of the *air barrier system* over the entire surface.

7) Where access hatches and sump pit covers are installed through assemblies constructed with an *air barrier system*, they shall be weatherstripped around their perimeters to prevent air leakage.

8) Clearances between *chimneys* or *gas vents* and the surrounding construction that would permit air leakage from within the *building* into a wall or *attic or roof space* shall be sealed by *noncombustible* material to prevent such leakage.

~~9.13.4.3.~~ 9.25.3.4. Air Leakage ~~Soil Gas~~ Control in Masonry Walls

(See ~~A-9.13.4.3., 9.13.4.5. and 9.13.4.7.~~ A-9.25.3.4. and 9.25.3.6.-2010 in Appendix A.)

1) Masonry walls required to provide a barrier to ~~soil gas~~ the ingress of air from the ground shall
a) include a course of masonry units without voids, or
b) be sealed with flashing material extending across the full width of the masonry. *<9.13.4.3.(1)–2005>*

2) The masonry course or flashing described in Sentence (1) shall
a) be located at the level of the adjoining floor and be sealed to it in accordance with Article ~~9.13.4.7.~~9.25.3.6.-2010, or
b) in the absence of a floor, be located at the level of the ground cover required by Article 9.18.6.1. and be sealed to it. *<9.13.4.3.(2)–2005>*

~~9.13.4.4.~~9.25.3.5. Air Leakage ~~Soil Gas~~ Control in Underground Roofs

1) Waterproofing systems for roofs of underground structures shall be sealed to the ~~soil gas~~ air barrier in the walls. *<9.13.4.4.(1)–2005>*

~~9.13.4.5.~~9.25.3.6. ~~Soil Gas~~ Air Barrier~~s~~ Systems in Floors-on-ground

(See ~~A-9.13.4.3., 9.13.4.5. and 9.13.4.7.~~ A-9.25.3.4. and 9.25.3.6.-2010 in Appendix A.)

1) Materials used to provide a barrier to the ~~soil gas~~ ingress of air through floors-on-ground shall ~~conform to~~meet or exceed the performance requirements in CAN/CGSB-51.34-M, "Vapour Barrier, Polyethylene Sheet for Use in Building Construction." *<9.13.4.2.(1)–2005>*

2) Where the floor-on-ground is a concrete slab, the ~~soil gas~~ air barrier shall be
a) installed below the slab, or
b) applied to the top of the slab, provided a separate floor is installed over the slab.

(See ~~A-9.13.4.5.(1) and (2)~~A-9.25.3.6.(2) and (3) in Appendix A.) *<9.13.4.5.(1)–2005>*

3) Where the ~~soil gas~~ air barrier ~~is~~ installed below a ~~slab~~floor-on-ground is flexible sheet material, joints in the barrier shall be lapped not less than 300 mm. (See ~~A-9.13.4.5.(1) and (2)~~A-9.25.3.6.(2) and (3) in Appendix A.) *<9.13.4.5.(2)–2005>*

~~**3)** Where the soil gas barrier is installed above a slab-on-ground, joints in the barrier shall be sealed. *<9.13.4.5.(3)–2005>*~~

4) Where installed in conjunction with a framed floor-on-ground or above a floor-on-ground, the ~~soil gas~~ air barrier shall be installed in accordance with Article~~s 9.25.3.2. and~~ 9.25.3.3. *<9.13.4.5.(4)–2005>*

5) A floor-on-ground shall be sealed around its perimeter to the inner surfaces of adjacent walls using flexible sealant. *<9.13.4.7.(1)-2005>*

~~**6)** All penetrations of a floor-on-ground by pipes or other objects shall be sealed against *soil* gas leakage. *<9.13.4.7.(2)-2005>*~~

6) All penetrations of a floor-on-ground that are required to drain water from the floor surface shall be sealed in a manner that prevents the upward flow of ~~*soil* gas~~ air without preventing the downward flow of liquid water. *<9.13.4.7.(3)-2005>*

RATIONALE

Problem

General

See the Summary of Significant Proposed Changes to NBC Parts 5, 6 and 9.

Technical

The requirements for providing a barrier to soil gas are essentially the same as those for providing an air barrier system (airtight material, continuity, structural support), but the provisions dealing with soil gas control are provided in Subsection 9.13.4. while the ones addressing air barrier systems are located in Subsection 9.25.3.

The Task Group found that the requirements for soil gas barriers were not easy to find and/or enforce, which was often due to their location in the Code. An air barrier system is currently required for all buildings, while the exemption for soil gas barriers "in areas where it can be demonstrated that soil gas does not constitute a hazard" was impossible to determine at the time a soil gas barrier needed to be installed.

Justification – Explanation

General

See the Summary of Significant Proposed Changes to NBC Parts 5, 6 and 9.

Technical

This proposed change relocates soil gas barrier requirements into Subsection 9.25.3. in among the requirements dealing with the properties and the installation of air barrier systems. The nature of both types of requirements is very similar if not identical. The Task Group on Protection Against Radon Ingress hopes that the relocation of the requirements on soil gas control will make them more effective.

A cross-reference from Article 9.13.4.2.-2010 to the relocated requirements in Subsection 9.25.3. is proposed (see separate proposed change).

The application of Sentence 9.25.3.1.(1) has changed from "thermally insulated" assemblies to "assemblies separating conditioned from unconditioned space." The application includes floors-on-ground that are not required to be insulated.

The term "soil gas barrier" was changed to "air barrier" in order to be consistent with the scope of Section 9.25. and to clarify that a soil gas barrier fulfils the same function as an air barrier. Additional requirements for the protection from high radon concentrations are still provided in Subsection 9.13.4.-2010 (see separate proposed changes).

Editorial

The Code references to the appendix notes have been updated.

Portions of Sentences 9.13.4.1.(3) and (4)-2005, which describe the application of the moved requirements have been deleted because they are captured in the revision to Sentence 9.25.3.1.(1)-2010.

The requirements in Sentences 9.13.4.5.(2) and (3)-2005 (lapping air barrier) have been deleted because the information is already captured in Sentence 9.25.3.3.(2).

Sentence 9.13.4.7.(2)-2005 (sealing penetrations) has been deleted because the information is already captured in Sentence 9.25.3.3.(6).

Cost implications

Locations that were not exempted from providing a soil gas barrier had to comply with these requirements already. In addition, they are accepted good practice in many regions. This proposed change would therefore be cost-neutral for construction projects located in those areas.

In areas that were exempted from soil gas barrier requirements by their respective jurisdiction or in which a polyethylene film underneath the slab is not part of accepted good practice, the cost increase in this case would be in the range of:

- $100 for 100 m² polyethylene sheet (6 mil) under the slab,
- $10 for adhesive tape to seal polyethylene sheet,
- $2 per m of ½ " polyurethane sealant bead around the perimeter and any penetration through the walls and floors below ground (which equals to $84 for a 7 m by 14 m concrete slab),
- $6 for purchasing and installing 3 m (10 ft) of re-sealable weather-stripping if a sump pit is provided, and
- $56 for the associated labour on a 100 m² slab without a sump pit.

In addition, the cost of lag time for waiting for/scheduling an inspection may have to be added.

Enforcement implications

The relocation of these requirements may facilitate the enforcement of soil gas barrier requirements as many jurisdictions already have an inspection protocol for air and vapour barriers into which soil gas requirements can easily be incorporated.

Who is affected

Builders, building officials, designers, specification writers.

OBJECTIVE-BASED ANALYSIS OF NEW OR CHANGED PROVISION

Provision: 9.25.3.1.(1) **Analysis:**

Attributions

[F55-OH1.1,OH1.2,OH1.3] **[F40-OH1.1]**

Objective

OH1 Indoor Conditions

OBJECTIVE-BASED ANALYSIS OF NEW OR CHANGED PROVISION

Provision: 9.25.3.1.(1) **Analysis:**

Attributions

[F55-OS2.3]

Objective

OS2 Structural Safety

OBJECTIVE-BASED ANALYSIS OF NEW OR CHANGED PROVISION

Provision: 9.25.3.1.(1) **Analysis:**

Attributions

[F44-OS1.1] Applies where the *air barrier system* separates a garage, or *suite* containing a garage, from residential space.

Objective

OS1 Fire Safety

OBJECTIVE-BASED ANALYSIS OF NEW OR CHANGED PROVISION

Provision: 9.25.3.1.(1) **Analysis: Unchanged**

Attributions

[F44-OS3.4] Applies where the *air barrier system* separates a garage, or *suite* containing a garage, from residential space.

Objective

OS3 Safety in Use

OBJECTIVE-BASED ANALYSIS OF NEW OR CHANGED PROVISION

Provision: 9.25.3.2.(1) **Analysis:**

Attributions

[F20,F55-OH1.1,OH1.2,OH1.3] **[F40-OH1.1]**

Objective

OH1 Indoor Conditions

OBJECTIVE-BASED ANALYSIS OF NEW OR CHANGED PROVISION

Provision: 9.25.3.2.(1) **Analysis: Unchanged**

Attributions

[F20,F55-OS2.3]

Objective

OS2 Structural Safety

OBJECTIVE-BASED ANALYSIS OF NEW OR CHANGED PROVISION

Provision: 9.25.3.2.(1) **Analysis: Unchanged**

Attributions

[F20,F44-OS1.1] Applies where the *air barrier system* separates a garage, or *suite* containing a garage, from residential space.

Objective

OS1 Fire Safety

OBJECTIVE-BASED ANALYSIS OF NEW OR CHANGED PROVISION

Provision: 9.25.3.2.(1) **Analysis: Unchanged**

Attributions

[F20,F44-OS3.4] Applies where the *air barrier system* separates a garage, or *suite* containing a garage, from residential space.

Objective

OS3 Safety in Use

OBJECTIVE-BASED ANALYSIS OF NEW OR CHANGED PROVISION

Provision: 9.25.3.2.(2) **Analysis:**

Attributions

[F20,F80,F55-OH1.1,OH1.2,OH1.3] **[F40-OH1.1]**

Objective

OH1 Indoor Conditions

OBJECTIVE-BASED ANALYSIS OF NEW OR CHANGED PROVISION

Provision: 9.25.3.2.(2) **Analysis: Unchanged**

Attributions

[F20,F80,F55-OS2.3]

Objective

OS2 Structural Safety

OBJECTIVE-BASED ANALYSIS OF NEW OR CHANGED PROVISION

Provision: 9.25.3.2.(2) **Analysis: Unchanged**
Attributions
[F20,F80,F44-OS1.1] Applies where the *air barrier system* separates a garage, or *suite* containing a garage, from residential space.
Objective
OS1 Fire Safety

OBJECTIVE-BASED ANALYSIS OF NEW OR CHANGED PROVISION

Provision: 9.25.3.2.(2) **Analysis: Unchanged**
Attributions
[F20,F80,F44-OS3.4] Applies where the *air barrier system* separates a garage, or *suite* containing a garage, from residential space.
Objective
OS3 Safety in Use

OBJECTIVE-BASED ANALYSIS OF NEW OR CHANGED PROVISION

Provision: 9.25.3.3.(1) **Analysis:**
Attributions
[F55-OH1.1,OH1.2,OH1.3] [F40-OH1.1]
Objective
OH1 Indoor Conditions

OBJECTIVE-BASED ANALYSIS OF NEW OR CHANGED PROVISION

Provision: 9.25.3.3.(1) **Analysis: Unchanged**
Attributions
[F55-OS2.3]
Objective
OS2 Structural Safety

OBJECTIVE-BASED ANALYSIS OF NEW OR CHANGED PROVISION

Provision: 9.25.3.3.(1) **Analysis: Unchanged**
Attributions
[F44-OS1.1] Applies where the *air barrier system* separates a garage, or *suite* containing a garage, from residential space.
Objective
OS1 Fire Safety

OBJECTIVE-BASED ANALYSIS OF NEW OR CHANGED PROVISION

Provision: 9.25.3.3.(1) **Analysis: Unchanged**
Attributions
[F44-OS3.4] Applies where the *air barrier system* separates a garage, or *suite* containing a garage, from residential space.
Objective
OS3 Safety in Use

OBJECTIVE-BASED ANALYSIS OF NEW OR CHANGED PROVISION

Provision: 9.25.3.3.(2) **Analysis:**
Attributions
[F55-OH1.1,OH1.2,OH1.3] [F40-OH1.1]
Objective

OH1 Indoor Conditions

OBJECTIVE-BASED ANALYSIS OF NEW OR CHANGED PROVISION

Provision: 9.25.3.3.(2) **Analysis: Unchanged**

Attributions

(a) [F44-OS3.4] **Applies where the *air barrier system* separates a garage, or *suite* containing a garage, from residential space.**

Objective

OS3 Safety in Use

OBJECTIVE-BASED ANALYSIS OF NEW OR CHANGED PROVISION

Provision: 9.25.3.3.(2) **Analysis: Unchanged**

Attributions

[F55-OS2.3]

Objective

OS2 Structural Safety

OBJECTIVE-BASED ANALYSIS OF NEW OR CHANGED PROVISION

Provision: 9.25.3.3.(2) **Analysis: Unchanged**

Attributions

(a) [F44-OS1.1] **Applies where the *air barrier system* separates a garage, or *suite* containing a garage, from residential space.**

Objective

OS1 Fire Safety

OBJECTIVE-BASED ANALYSIS OF NEW OR CHANGED PROVISION

Provision: 9.25.3.3.(3) **Analysis: Unchanged**

OBJECTIVE-BASED ANALYSIS OF NEW OR CHANGED PROVISION

Provision: 9.25.3.3.(4) **Analysis: Unchanged**

OBJECTIVE-BASED ANALYSIS OF NEW OR CHANGED PROVISION

Provision: 9.25.3.3.(5) **Analysis: Unchanged**

OBJECTIVE-BASED ANALYSIS OF NEW OR CHANGED PROVISION

Provision: 9.25.3.3.(6) **Analysis:**

Attributions

[F55-OH1.1,OH1.2,OH1.3] [F40-OH1.1]

Objective

OH1 Indoor Conditions

OBJECTIVE-BASED ANALYSIS OF NEW OR CHANGED PROVISION

Provision: 9.25.3.3.(6) **Analysis: Unchanged**

Attributions

[F55-OS2.3]

Objective

OS2 Structural Safety

OBJECTIVE-BASED ANALYSIS OF NEW OR CHANGED PROVISION

Provision: 9.25.3.3.(6) **Analysis: Unchanged**

Attributions

[F44-OS1.1] **Applies where the *air barrier system* separates a garage, or *suite* containing a garage, from residential space.**

Objective
OS1 Fire Safety

OBJECTIVE-BASED ANALYSIS OF NEW OR CHANGED PROVISION

Provision: 9.25.3.3.(6) **Analysis: Unchanged**

Attributions
[F44-OS3.4] Applies where the *air barrier system* separates a garage, or *suite* containing a garage, from residential space.
Objective
OS3 Safety in Use

OBJECTIVE-BASED ANALYSIS OF NEW OR CHANGED PROVISION

Provision: 9.25.3.3.(7) **Analysis:**

Attributions
[F55-OH1.1,OH1.2,OH1.3] **[F40-OH1.1]**
Objective
OH1 Indoor Conditions

OBJECTIVE-BASED ANALYSIS OF NEW OR CHANGED PROVISION

Provision: 9.25.3.3.(7) **Analysis: Unchanged**

Attributions
[F55-OS2.3]
Objective
OS2 Structural Safety

OBJECTIVE-BASED ANALYSIS OF NEW OR CHANGED PROVISION

Provision: 9.25.3.3.(8) **Analysis: Unchanged**

OBJECTIVE-BASED ANALYSIS OF NEW OR CHANGED PROVISION

Provision: 9.25.3.4.(1)-2010 **Analysis: Based on 9.13.4.3.(1)-2005 with changes**

Attributions
[F40-OH1.1]
Objective
OH1 Indoor Conditions

OBJECTIVE-BASED ANALYSIS OF NEW OR CHANGED PROVISION

Provision: 9.25.3.4.(2)-2010 **Analysis: Based on 9.13.4.3.(2)-2005 with changes**

Attributions
[F40-OH1.1]
Objective
OH1 Indoor Conditions

OBJECTIVE-BASED ANALYSIS OF NEW OR CHANGED PROVISION

Provision: 9.25.3.5.(1)-2010 **Analysis: Based on 9.13.4.4.(1)-2005 with changes**

Attributions
[F40-OH1.1]
Objective
OH1 Indoor Conditions

OBJECTIVE-BASED ANALYSIS OF NEW OR CHANGED PROVISION

Provision: 9.25.3.6.(1)-2010

Analysis: Based on 9.13.4.2.(1)-2005 with changes

Attributions
[F40-OH1.1]
Objective
OH1 Indoor Conditions

OBJECTIVE-BASED ANALYSIS OF NEW OR CHANGED PROVISION

Provision: 9.25.3.6.(2)-2010

Analysis: Based on 9.13.4.5.(1)-2005 with changes

Attributions
[F40-OH1.1]
Objective
OH1 Indoor Conditions

OBJECTIVE-BASED ANALYSIS OF NEW OR CHANGED PROVISION

Provision: 9.25.3.6.(3)-2010

Analysis: Based on 9.13.4.5.(2)-2005 with changes

Attributions
[F40-OH1.1]
Objective
OH1 Indoor Conditions

OBJECTIVE-BASED ANALYSIS OF NEW OR CHANGED PROVISION

Provision: 9.13.4.5.(3)-2005

Analysis: Deleted

OBJECTIVE-BASED ANALYSIS OF NEW OR CHANGED PROVISION

Provision: 9.25.3.6.(4)-2010

Analysis: Based on 9.13.4.5.(4)-2005 with changes

Attributions
N/A
Objective
N/A

OBJECTIVE-BASED ANALYSIS OF NEW OR CHANGED PROVISION

Provision: 9.25.3.6.(5)-2010

Analysis: Based on 9.13.4.7.(1)-2005 with

changes

Attributions
[F40-OH1.1]
Objective
OH1 Indoor Conditions

OBJECTIVE-BASED ANALYSIS OF NEW OR CHANGED PROVISION

Provision: 9.13.4.7.(2)-2005 **Analysis: Deleted**

OBJECTIVE-BASED ANALYSIS OF NEW OR CHANGED PROVISION

Provision: 9.25.3.6.(6)-2010 **Analysis: Based on 9.13.4.7.(3)-2005 with changes**

Attributions
[F40-OH1.1]
Objective
OH1 Indoor Conditions

Comment **Commentaires**