## Lets Talk About....

## OBC Changes Related to Stairs in Part 9 Buildings

## Effective January 2022

Webinar Discussion related to the Ontario Building Code

Muskoka/Parry Sound Chapter
Ontario Building Officials Association
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## OBC CHANGES RELATED TO STAIRS IN PART 9 BUILDINGS

Effective January 2022

1. New Defined Terms and Stair Configurations
2. Stair Dimension Changes
3. Landings
4. Handrails and Guards




# NEW DEFINED TERMS \& STAIR CONFIGURATIONS 

Angled Tread is no longer a term.

Tapered tread is the new term.

Tapered tread means... a tread with non-parallel edges that increases or decreases its run uniformly over its width.


## NEW TERMS \& CONFIGURATIONS

Stairs within Dwelling units within houses and individual dwelling units may consist of ....



## Permitted....

Spiral Stairs Shall Have...
Handrails on both sides with outer handrail 1070 (42") height.

Clear Width of $660 \mathrm{~mm}\left(26^{\prime \prime}\right)$.
Risers no more than 240 mm high.
Treads a minimum of 190 mm at 300 mm from the inside handrail with a consistent angle and dimension turning in the same direction.

Clear Height of 1980 mm.


## OBC CHANGES RELATED TO STAIRS IN PART 9 BUILDINGS

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Stair Dimension Changes

> Minimum Run
> $210 \mathrm{~mm}\left(0.25^{\prime \prime}\right)$
> $255 \mathrm{~mm}\left(10^{\prime \prime}\right)$

Run Requirement increased by $45 \mathrm{~mm} / 1.77$ ".


## TAPERED TREADS

No Changes to Stair Rise.
No Changes to Tread Depth.
No Changes to Minimum Run (150 mm).


## Complies with Rectangular

 Treads at 300 mm from inside Handrail.(Changed to 255 mm from 210 mm for Private Stairs)

## Tolerances for tapered

treads measured at 300 mm from inside handrail.

Not applicable to Winders or Spiral Stairs.



## OBC CHANGES RELATED TO STAIRS IN PART 9 BUILDINGS

Landings

## INCREASED LENGTH OF LANDINGS

90-degree Change at Landing No Change


Straight Landing


## INCREASED LENGTH OF LANDINGS

## LANDINGS

## 30 to 90-degree Change at Landing Increased Size



0 to 30-degree Change at Landing Increased Size


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## OBC CHANGES RELATED TO STAIRS IN PART 9 BUILDINGS

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Handrails \& Guards

Except for winders ....
Stairs with or a of tapered treads and shall have the handrail installed on the narrow end of the treads.


## Additional

handrails do not need to meet height requirements.

Does not apply to Spiral Stairs.


60 mm clearance required if the surface behind the handrail is rough or abrasive.

50 mm in all other cases.

(2) Where exterior or interior handrails serving a house or an individual dwelling unit are attached to wood studs or blocking, the attachment shall be deemed to comply with Sentence (1), where,
(a) the
are spaced not more than 1.2 m apart measured on the horizontal plane, (b) the at either end is located not more than 300 mm from the end of the handrail, and
(c) the
consist of no fewer than two No. 8 wood screws at each point, penetrating not less than 32 mm into solid wood.

Div B, 9.8.7.7.(2)


When an interior stair has more than two risers r,r an interior ramp rises :nore than 400 mm , trie sides of the stair or rr.mp and the landing or íloor level around ihe stairwell or rams shall be protected by a guard on each side that is not protected by a wall.


Curb height...
Previously 150 intm
Changed to 140 mm

Div B, 9.8.8.4.(1)(a)
 specified in the OBC.

Requires:
Top Rail.
One or More horizontal rails to ensure no passage of sphere 535 mm (21").




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[^0]:    NEW... Div B, 9.8.6.3.(1) \& (2)

