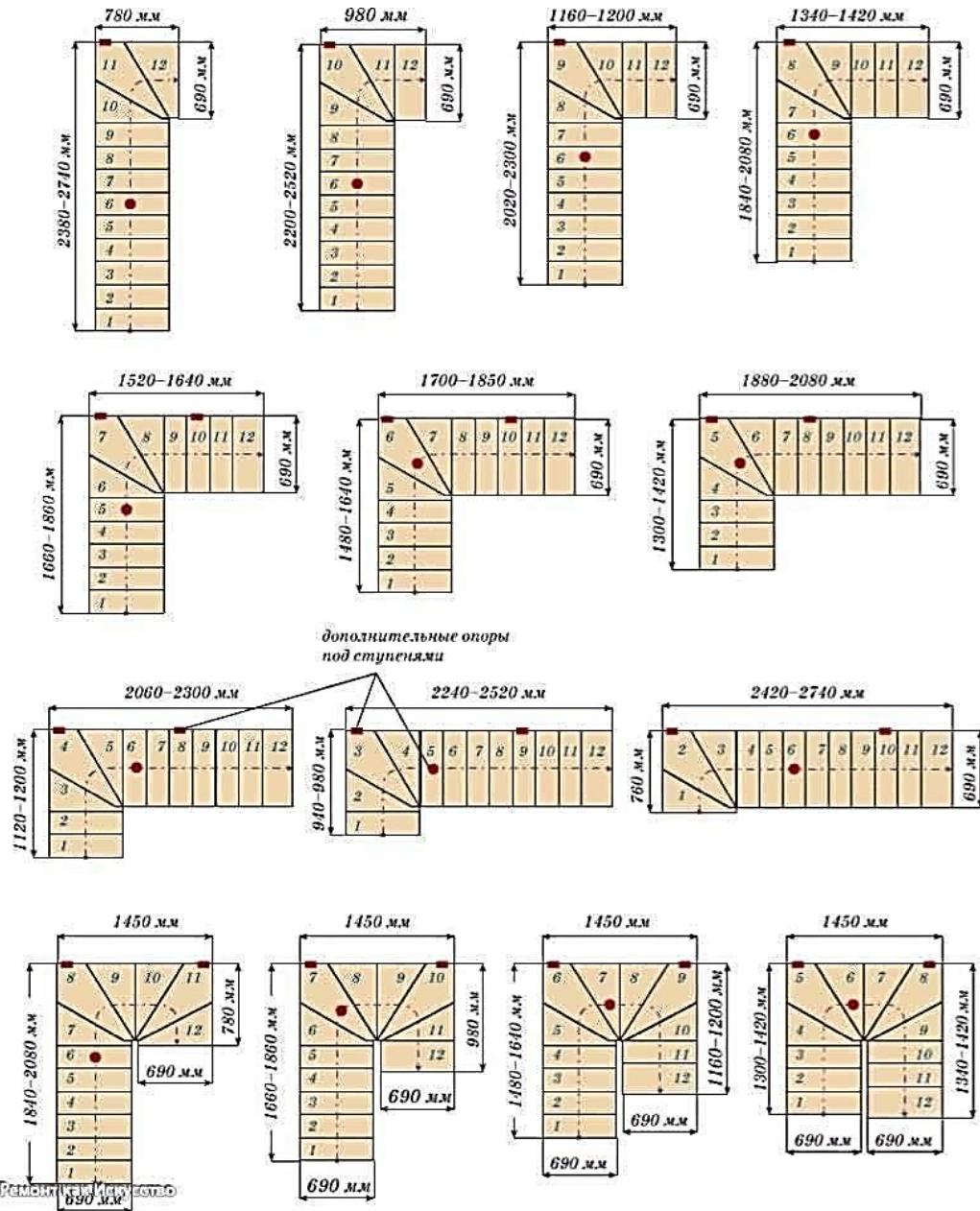


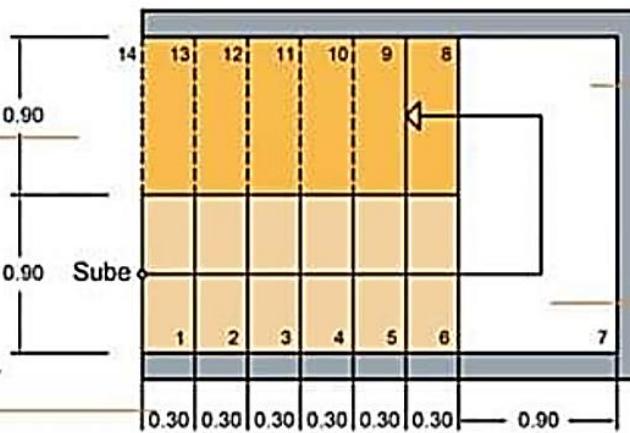
TIPOS DE ESCALERAS

ESCALERAS



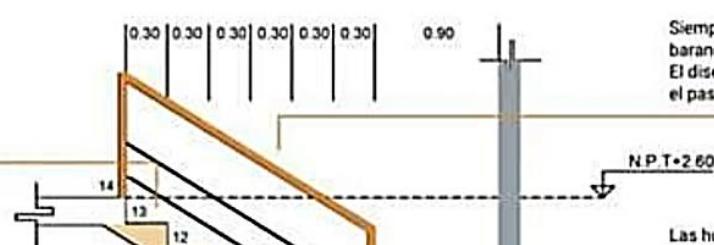
дополнительные опоры под ступенями

El ancho de debe de ser de al menos 90 cm.



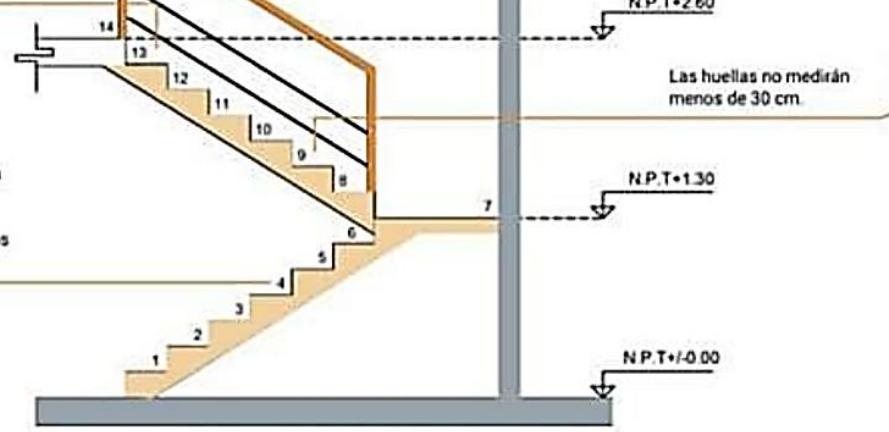
Siempre debe de existir un descanso después de un máximo de 15 escalones.

La parte superior del escalón, es decir, la huella, debe de medir 30 cm.



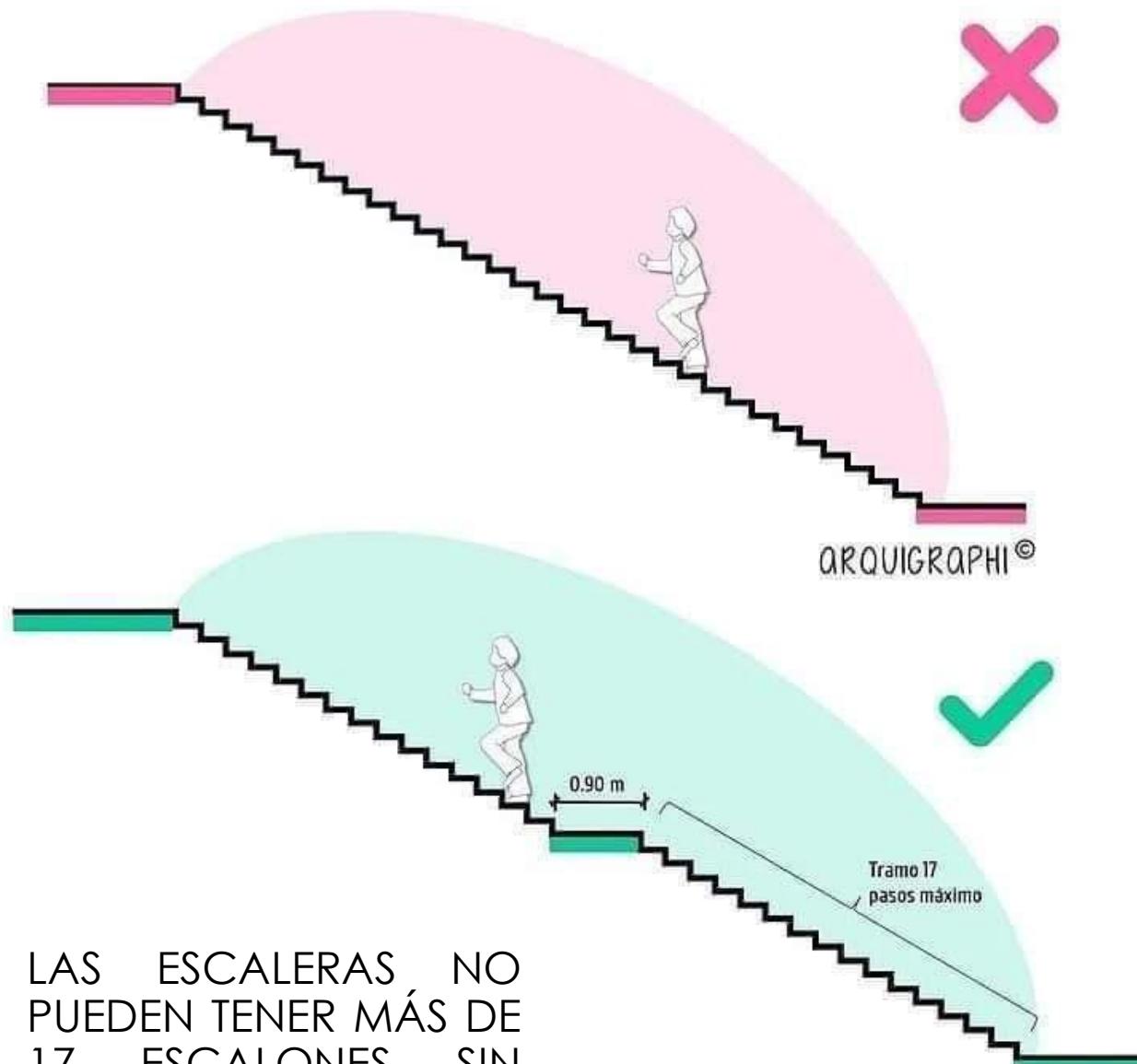
Los descansos deben de tener al menos el mismo ancho de la escalera, es decir, 90 cm.

Los peraltes no medirán más de 18 cm.

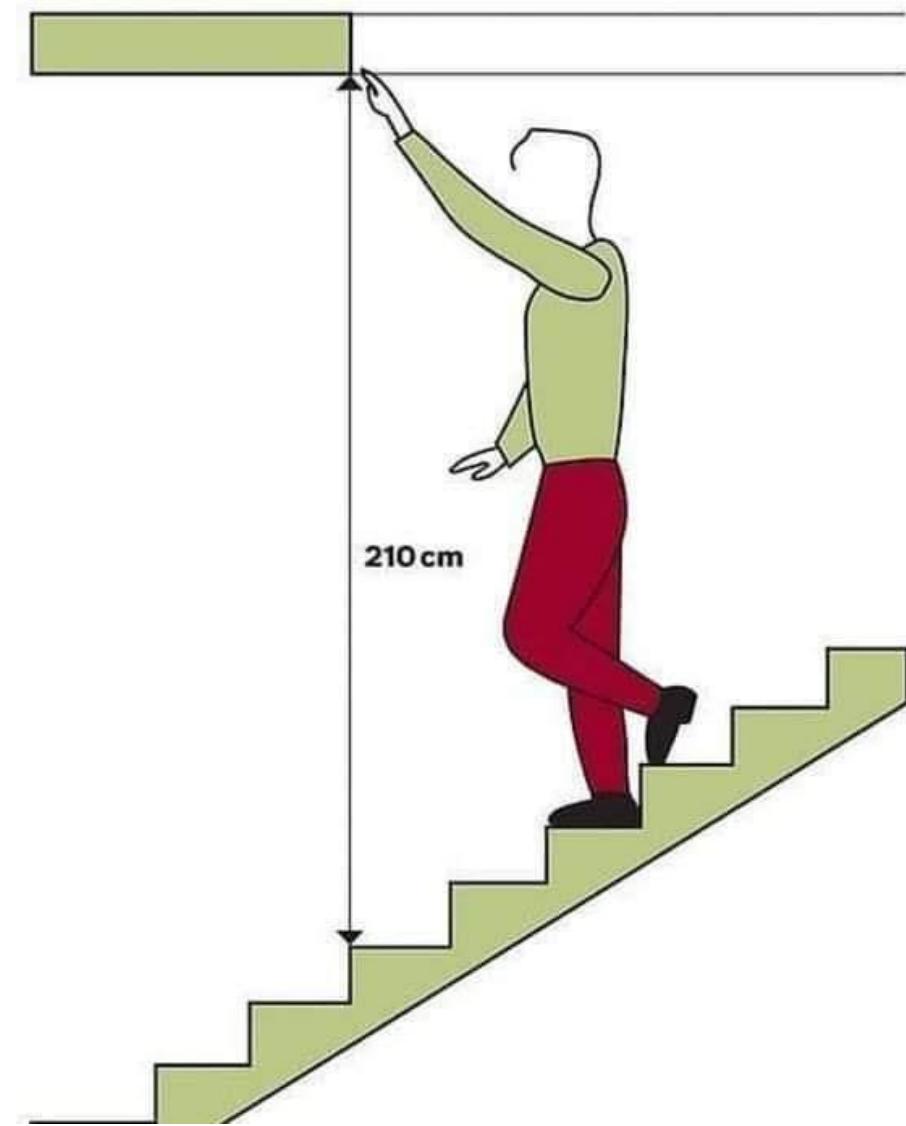


Siempre debe de existir un barandal de 90 cm de altura. El diseño de este debe evitar el paso de niños.

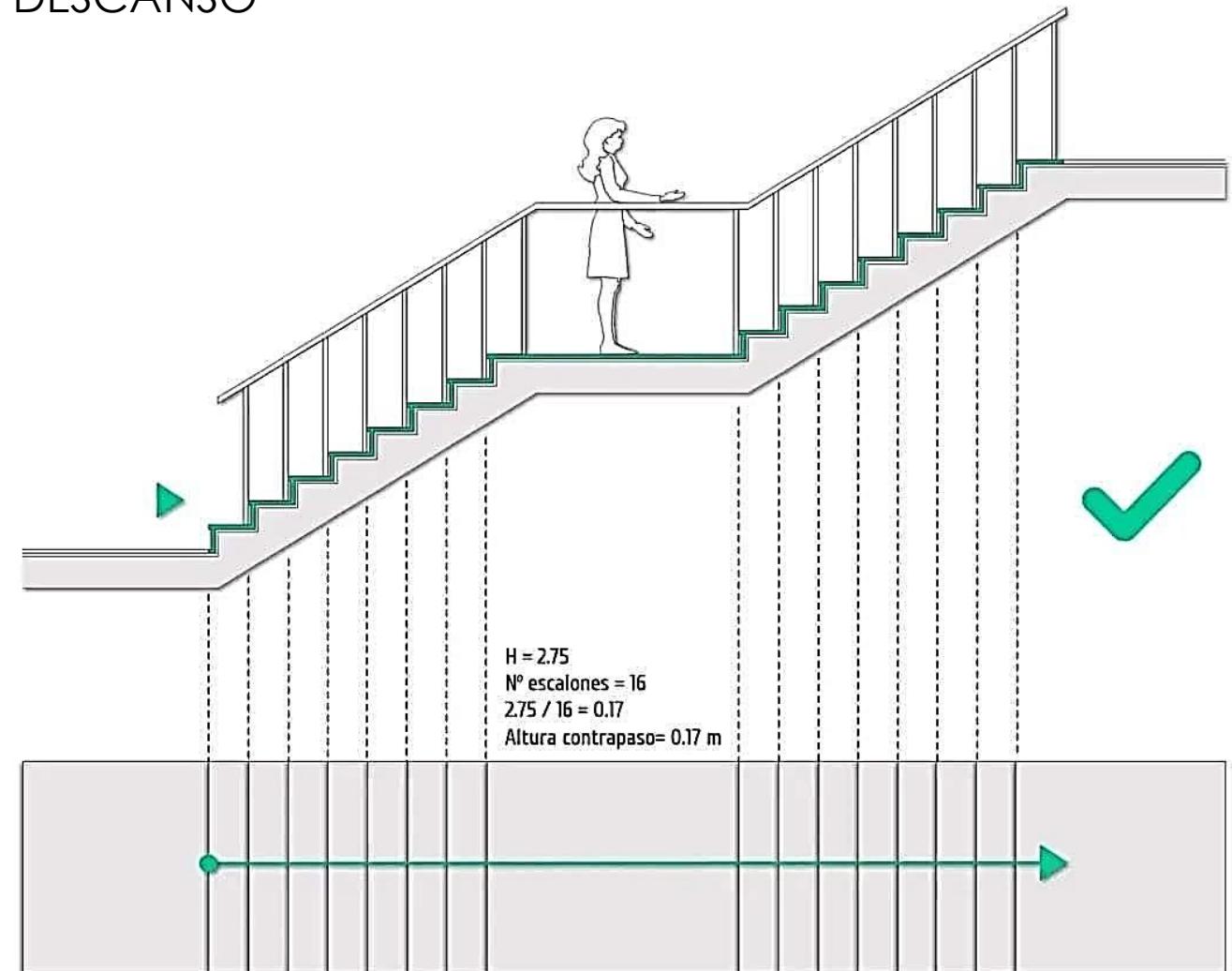
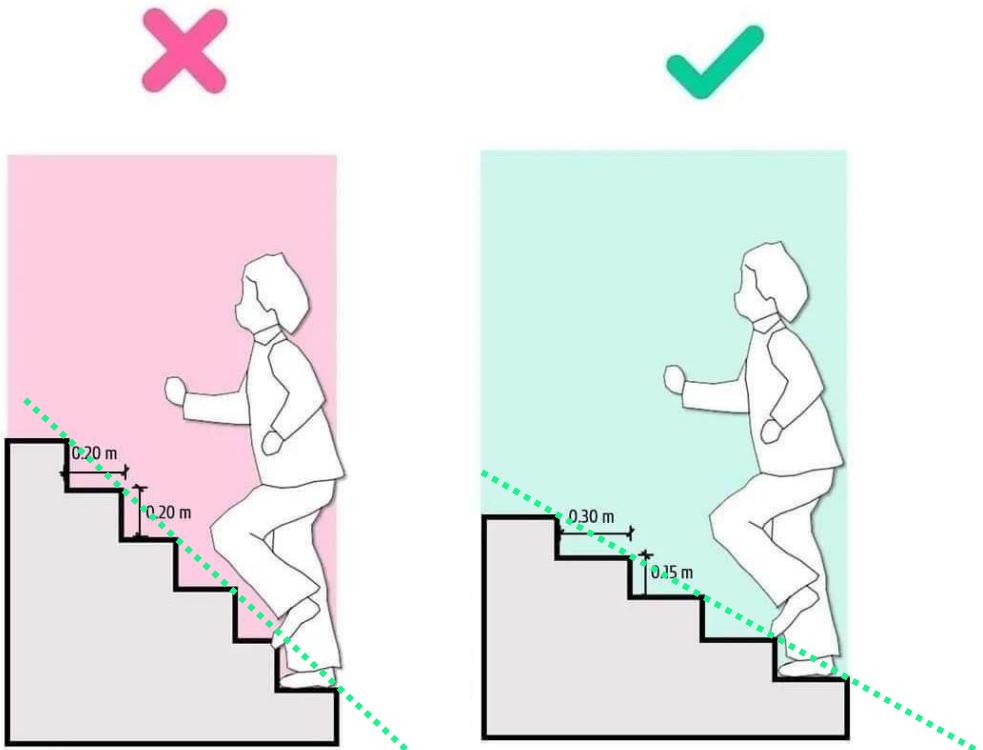
Todos los escalones de una escalera deben de tener el mismo peralte, es decir, la misma altura, así evitaremos tropiezos.

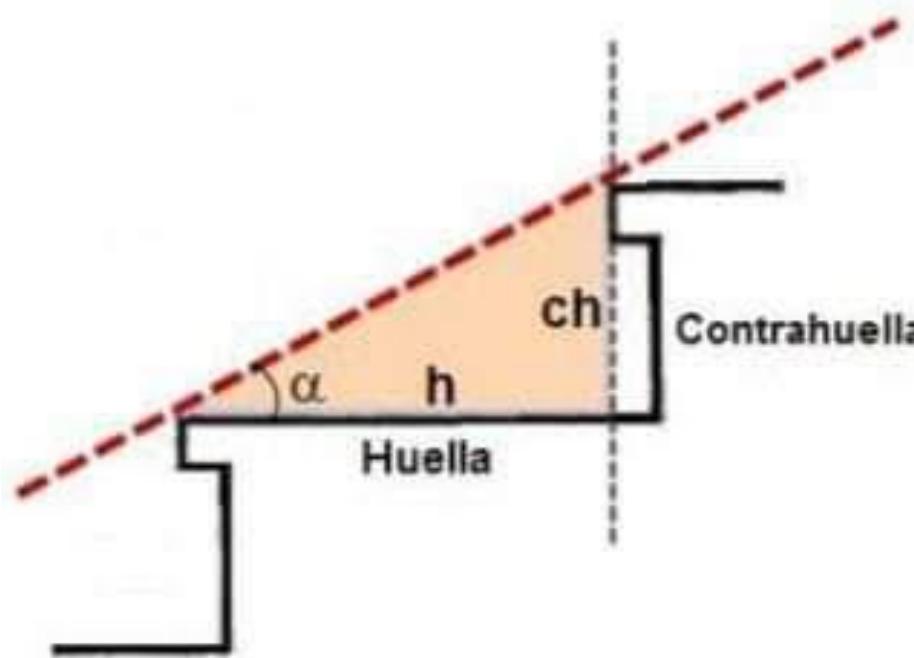


LAS ESCALERAS NO
PUEDE TENER MÁS DE
17 ESCALONES SIN
DESCANSO



LAS ESCALERAS NO PUEDEN TENER
MÁS DE 17 ESCALONES SIN
DESCANSO

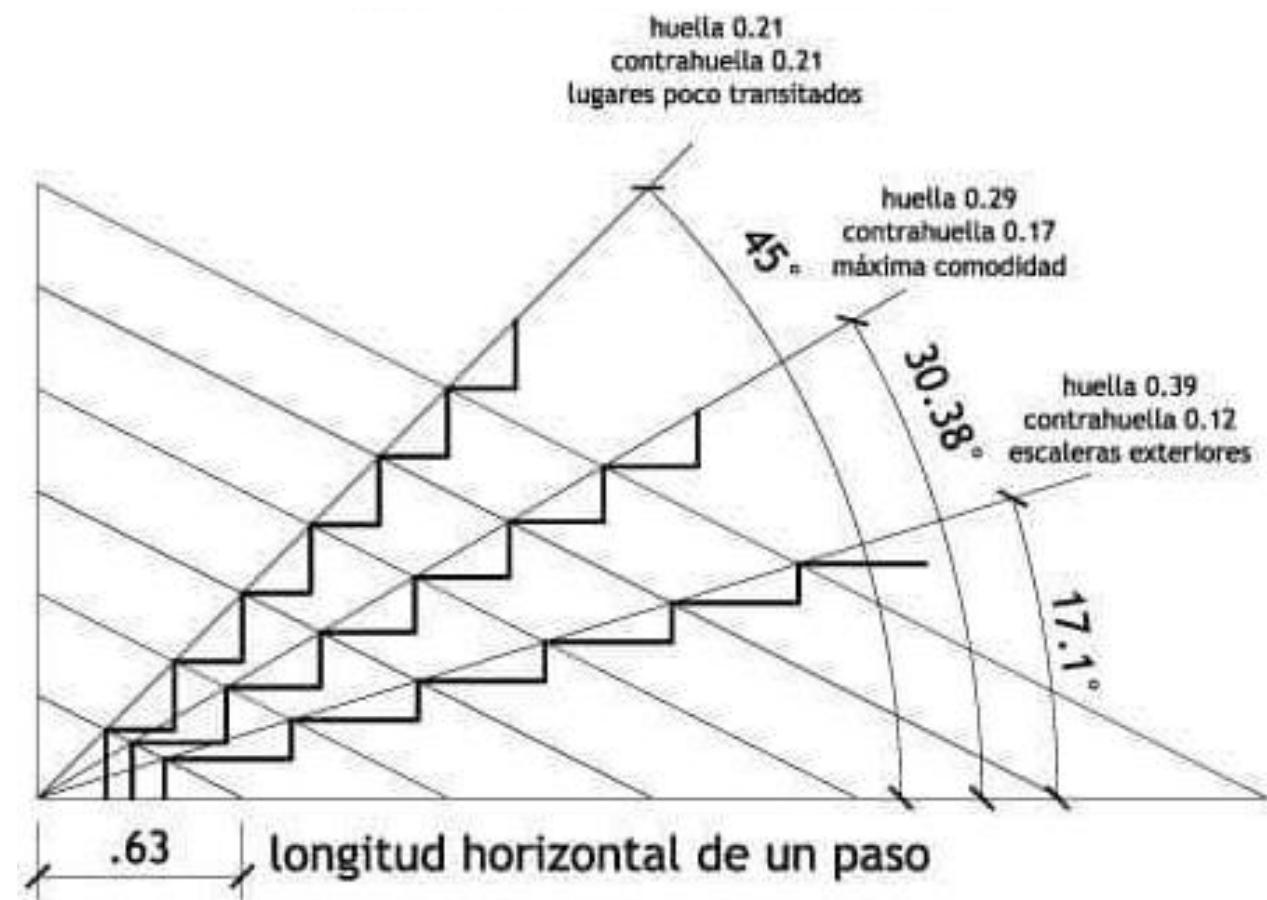


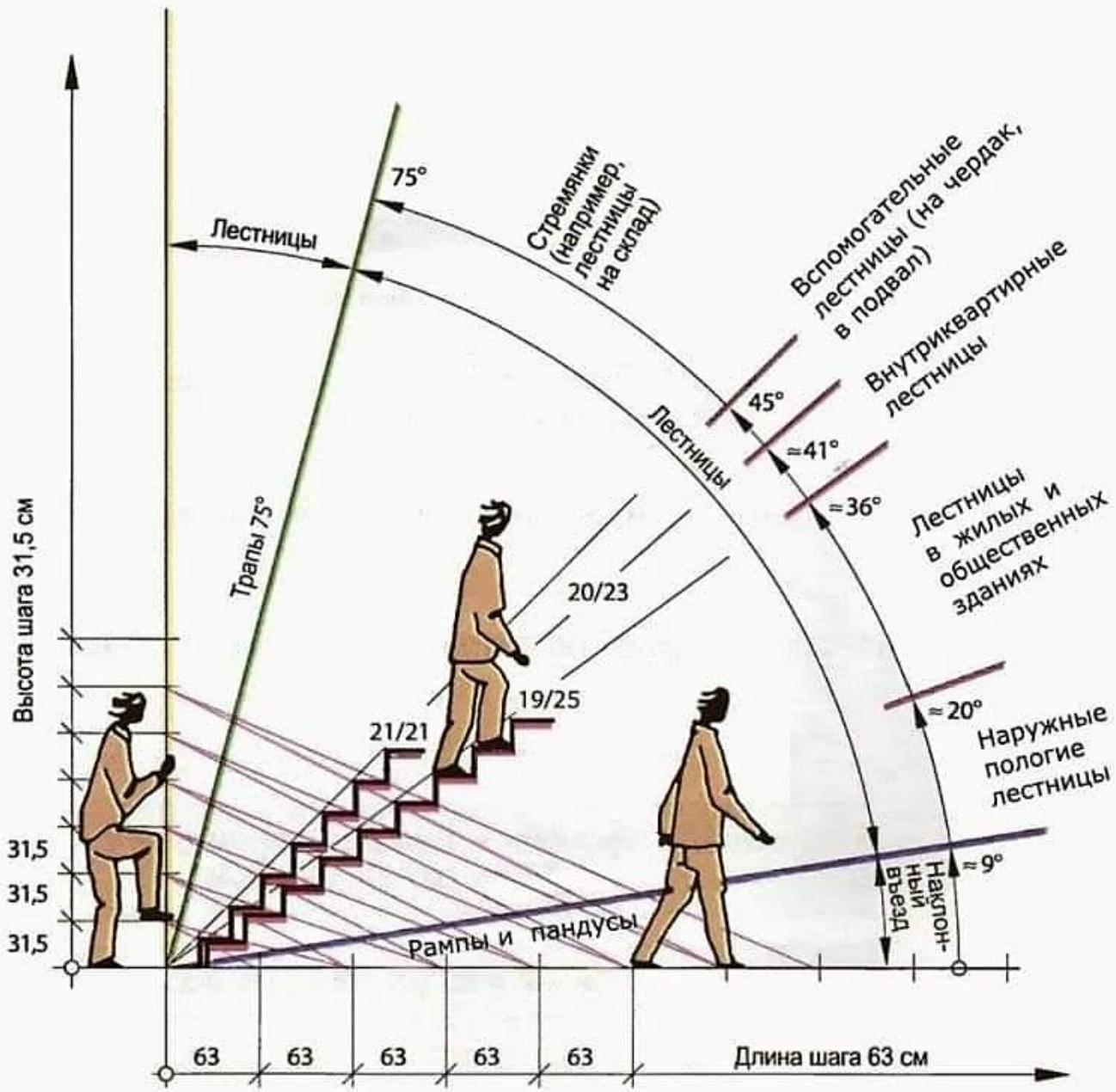


Pendiente del escalón
(o de la escalera):

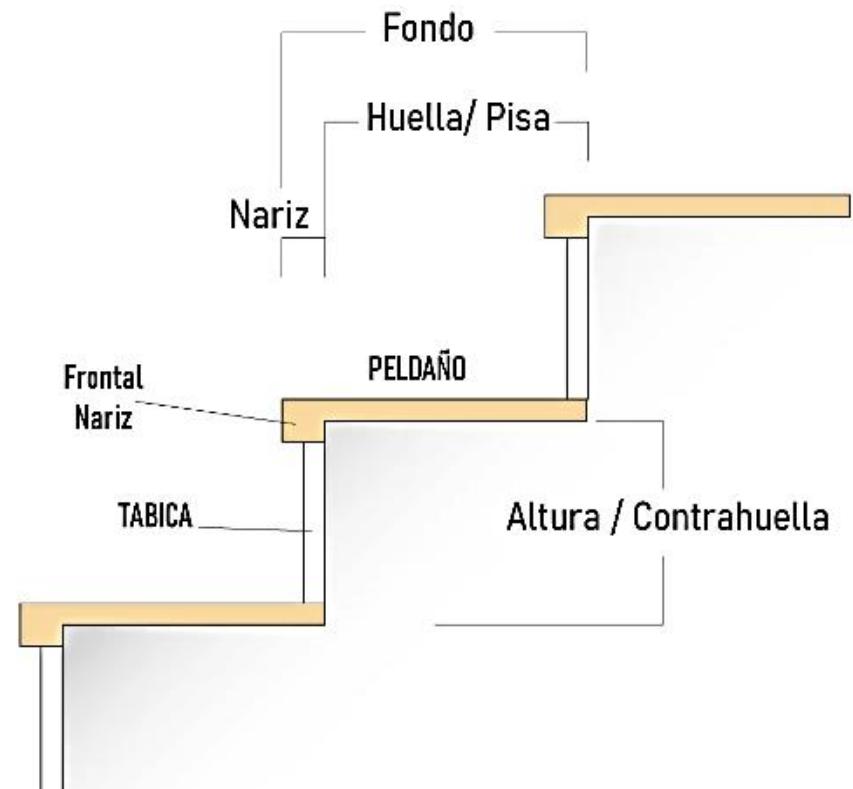
$$\operatorname{tg} \alpha = \frac{ch}{h}$$

fórmula: 2contrahuellas + 1 huella = 0.63cm

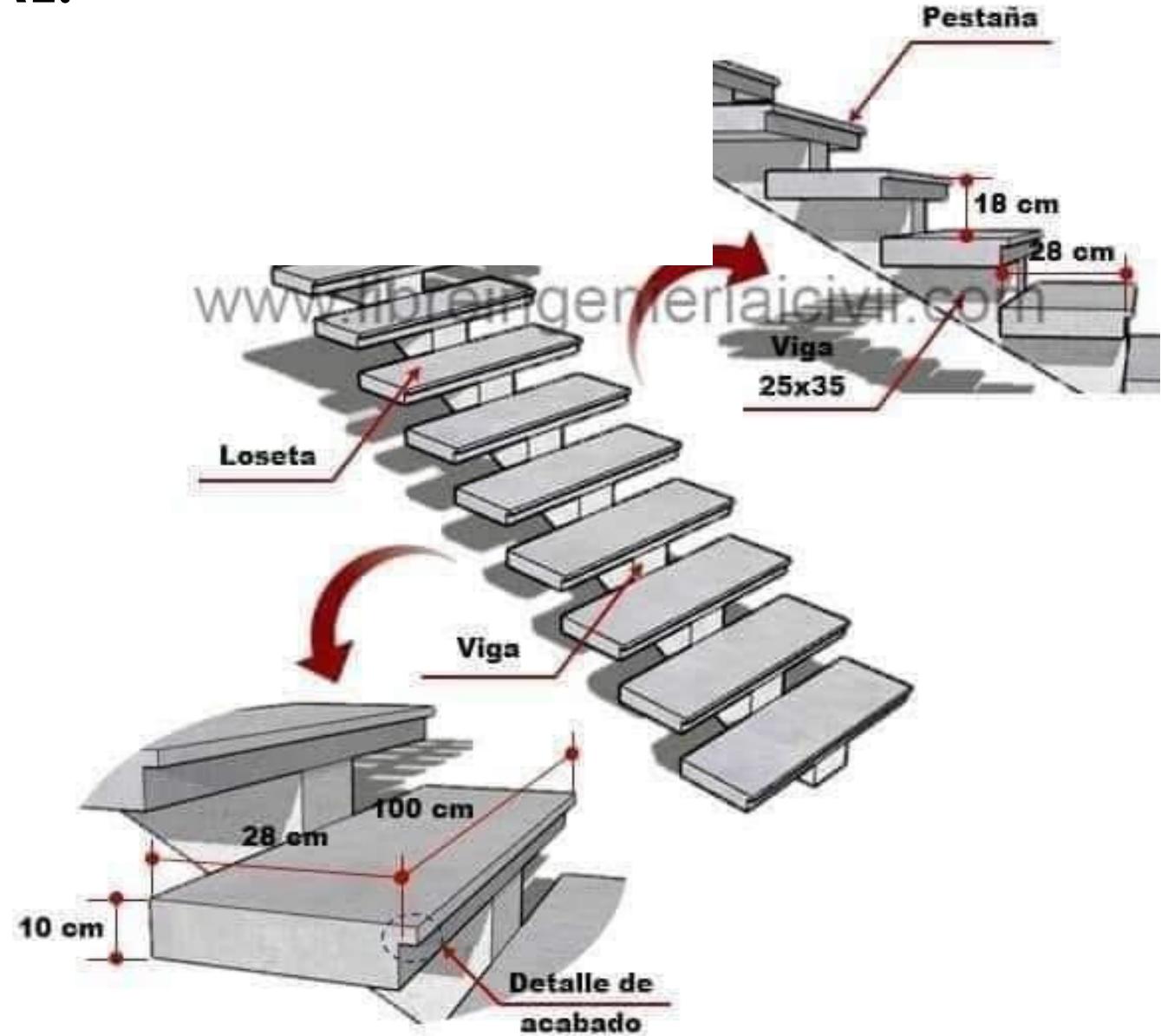
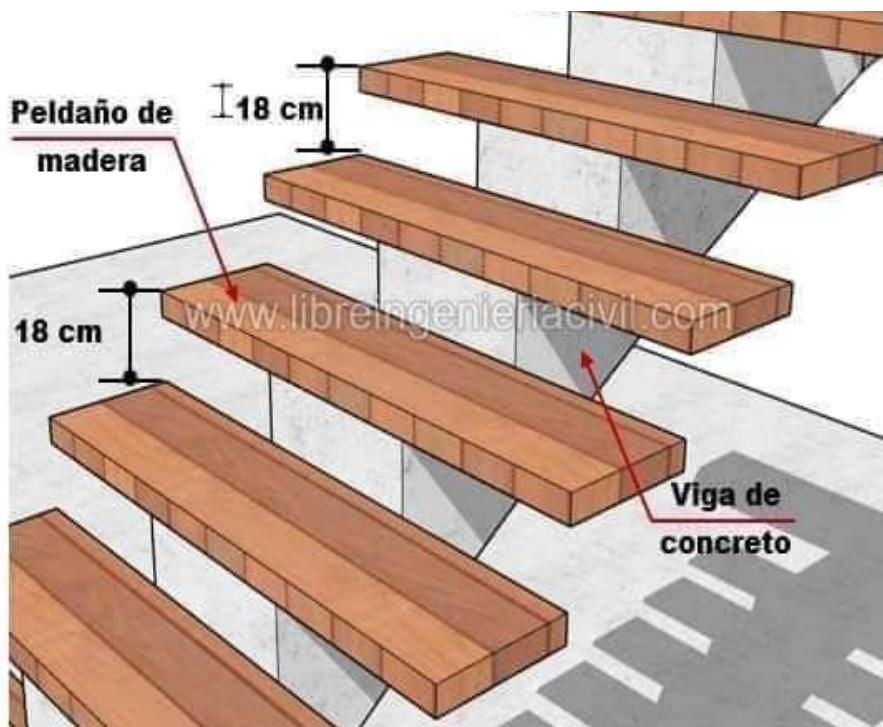




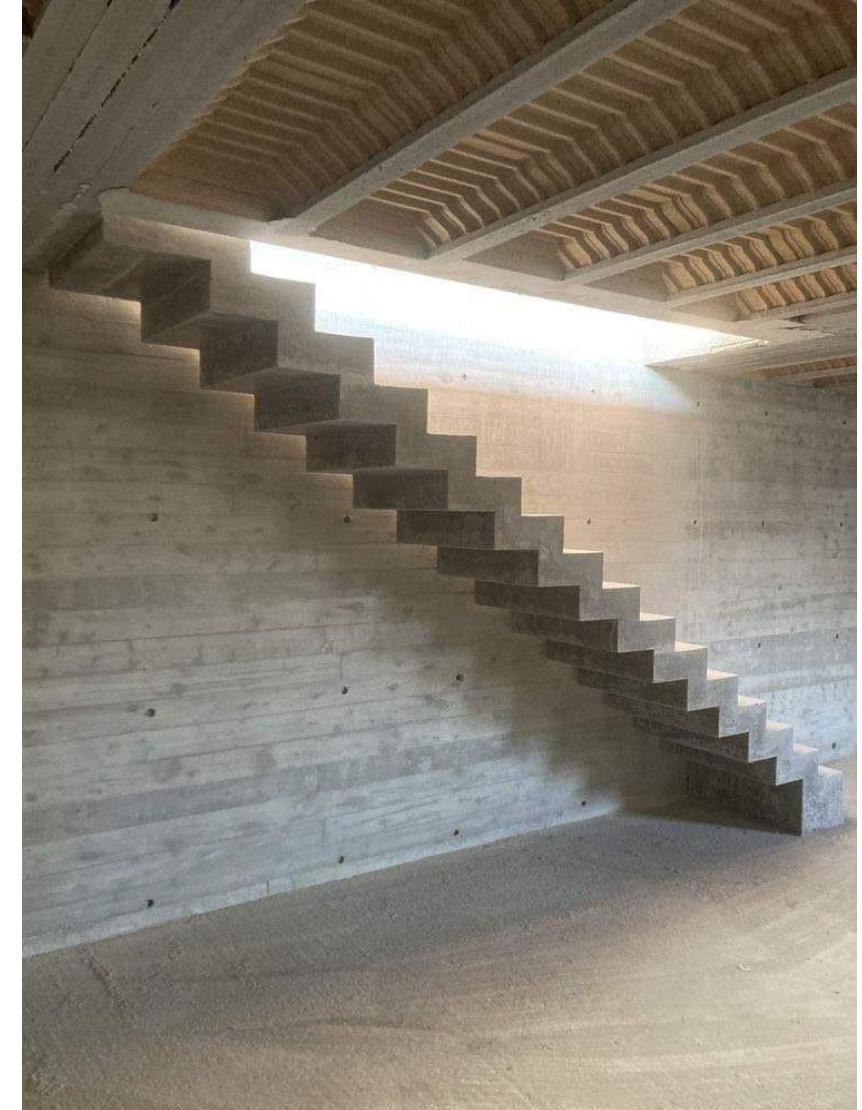
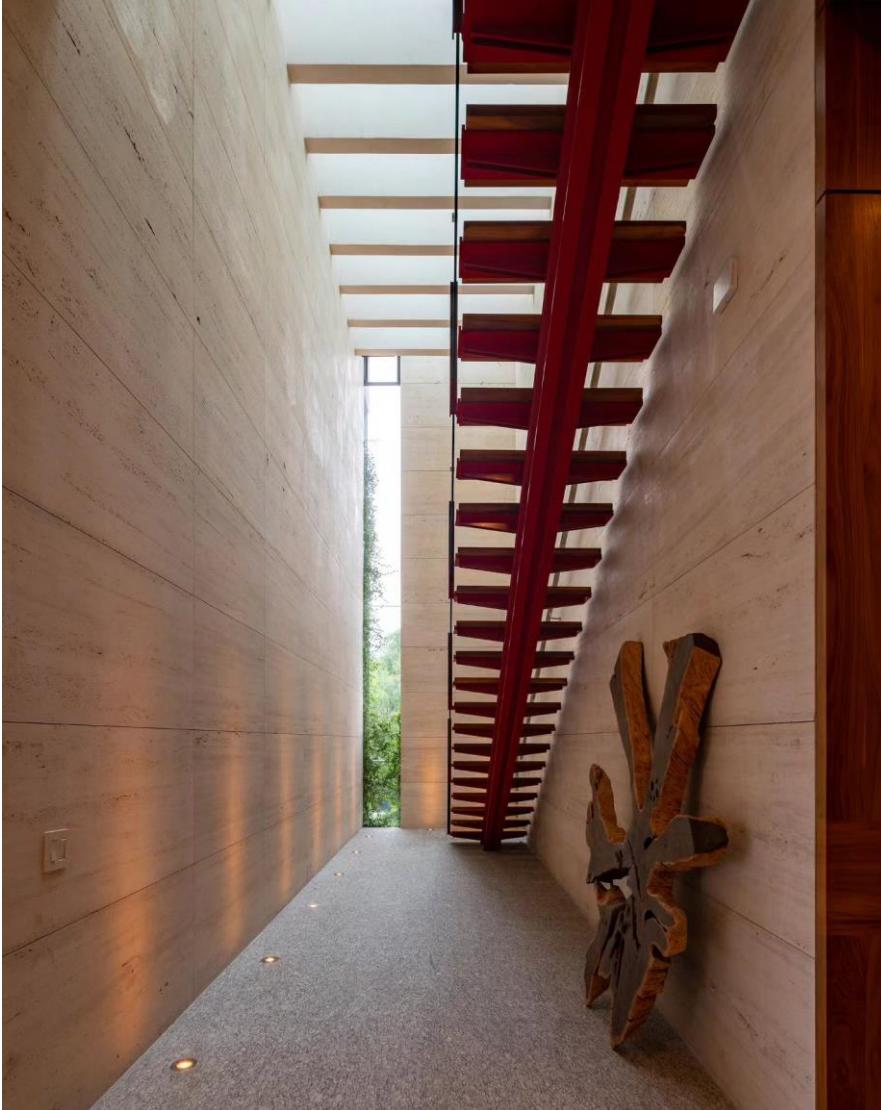
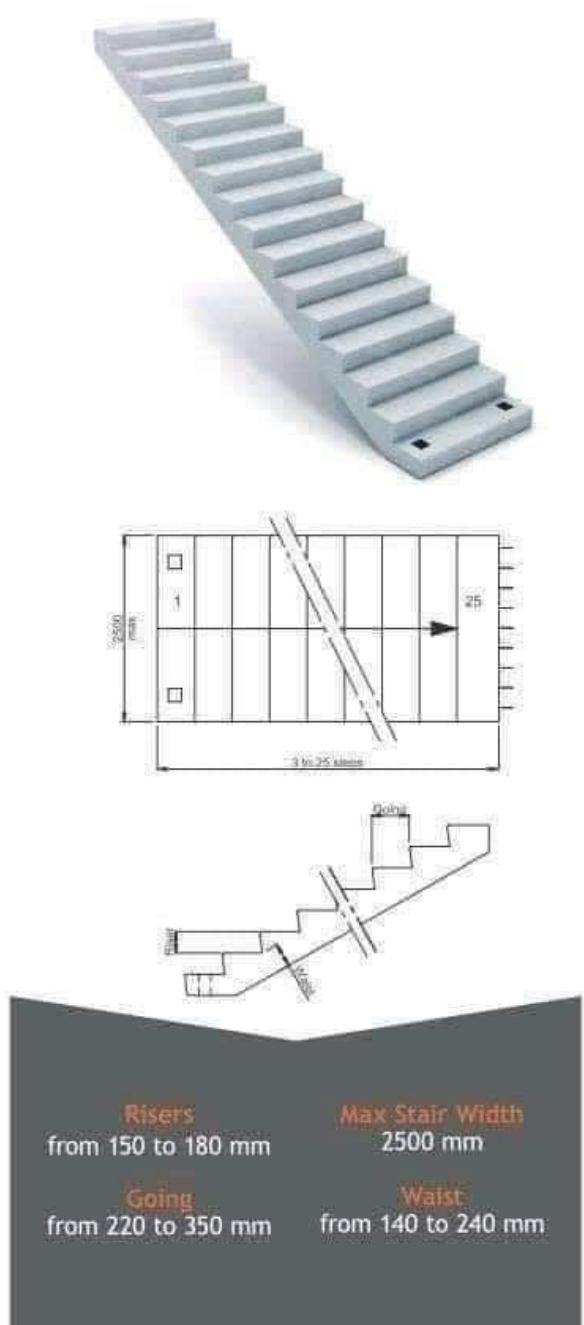
ELEMENTOS DE UN ESCALÓN:

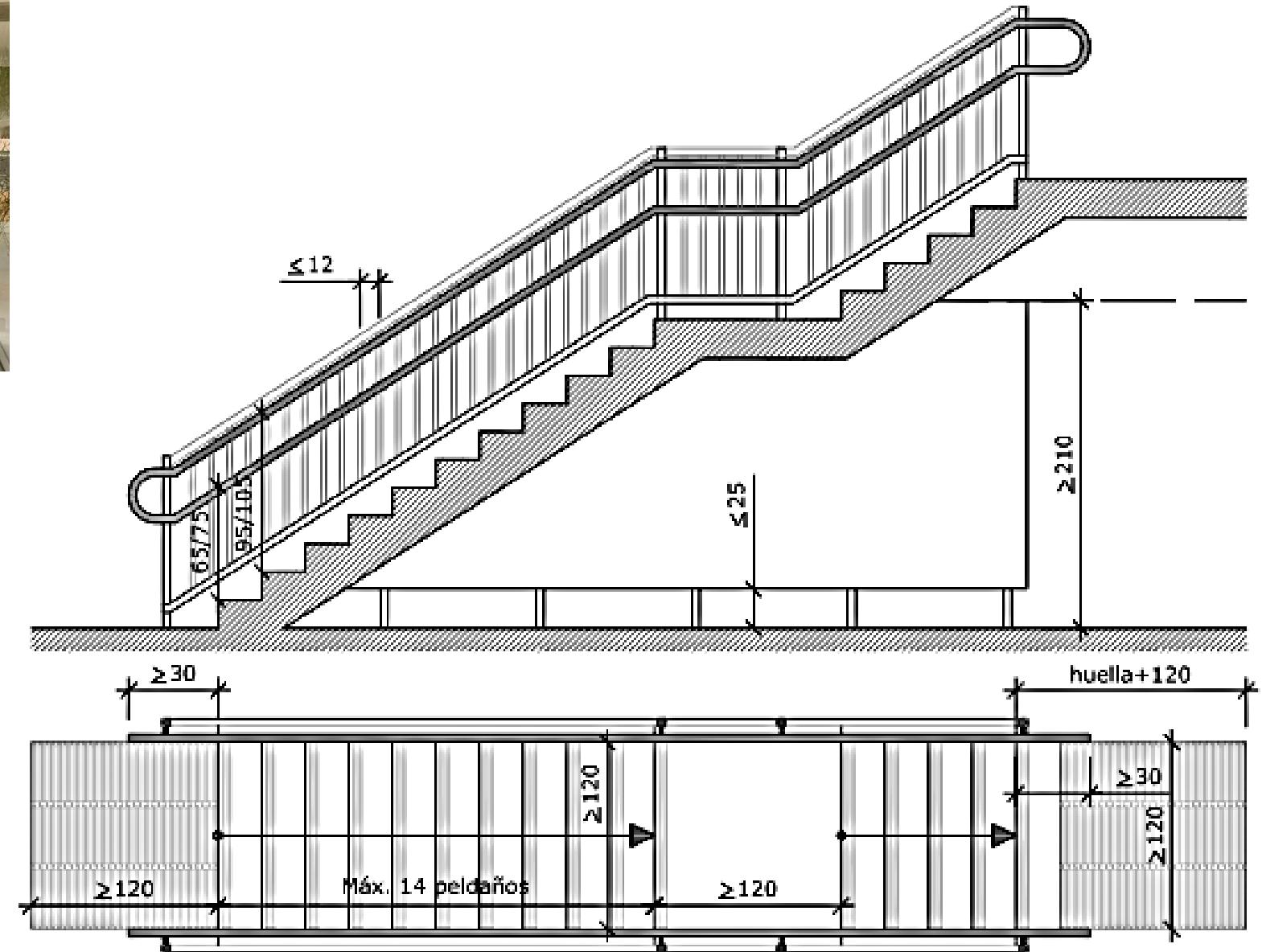
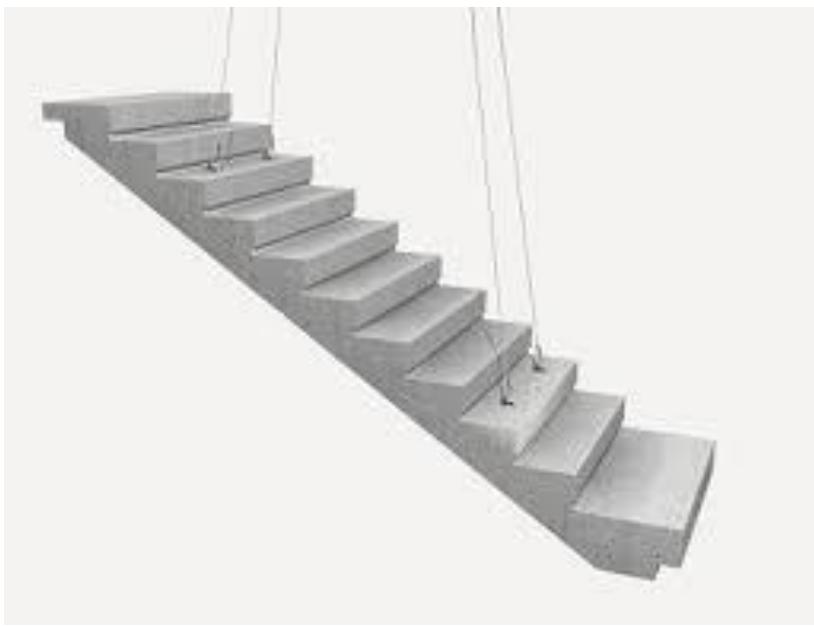


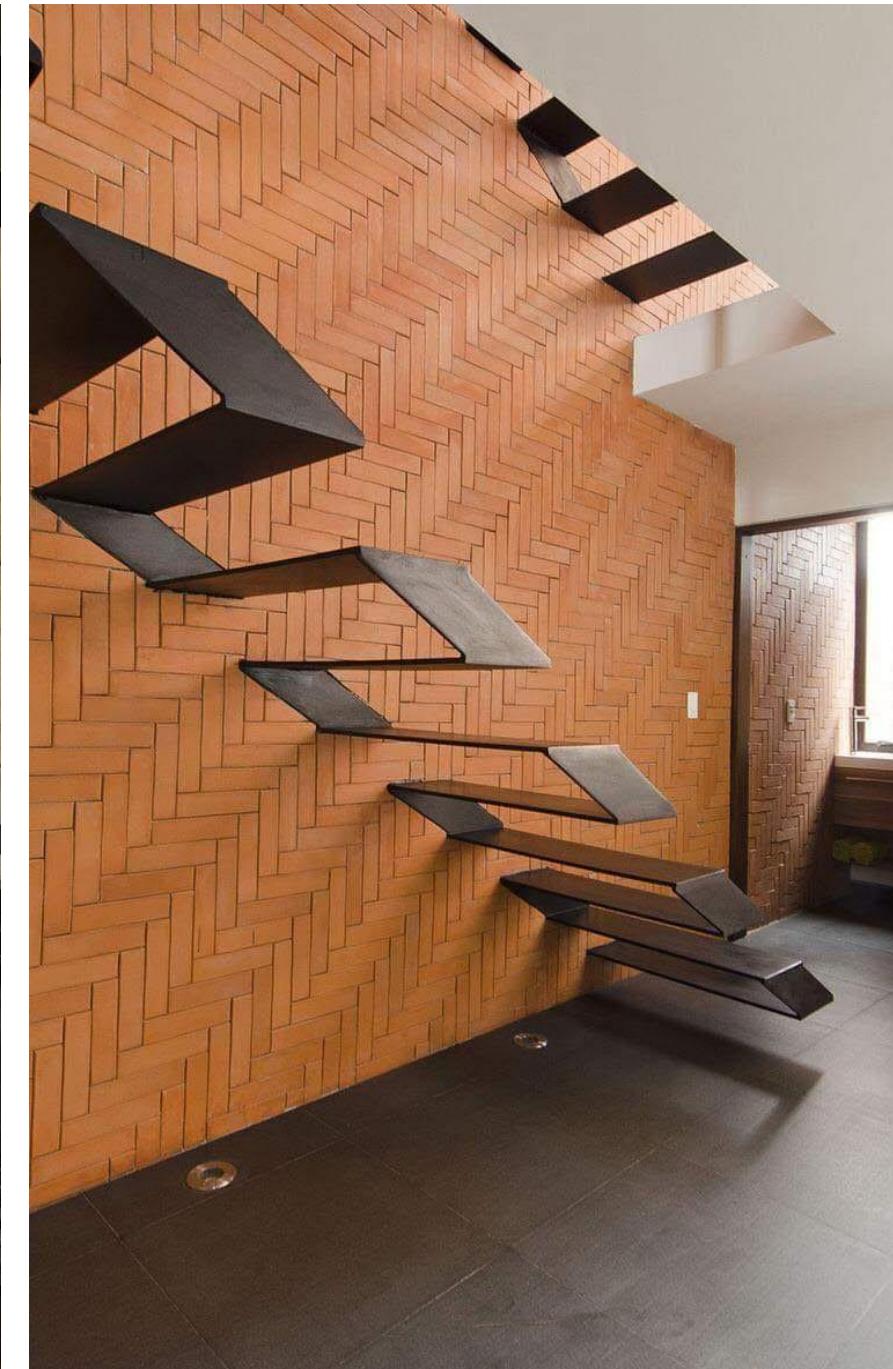
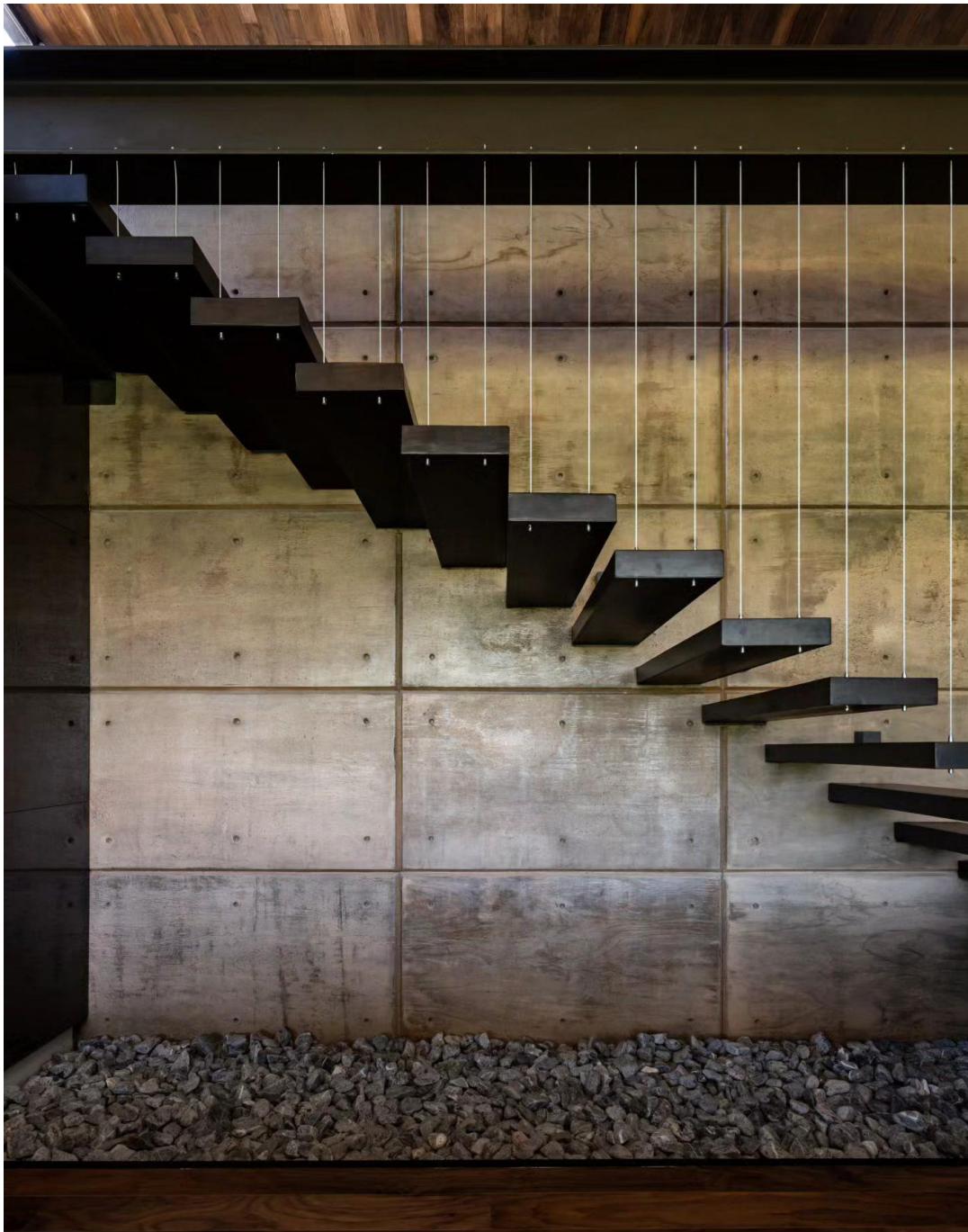
ESCALERAS SEGÚN SU MATERIAL:

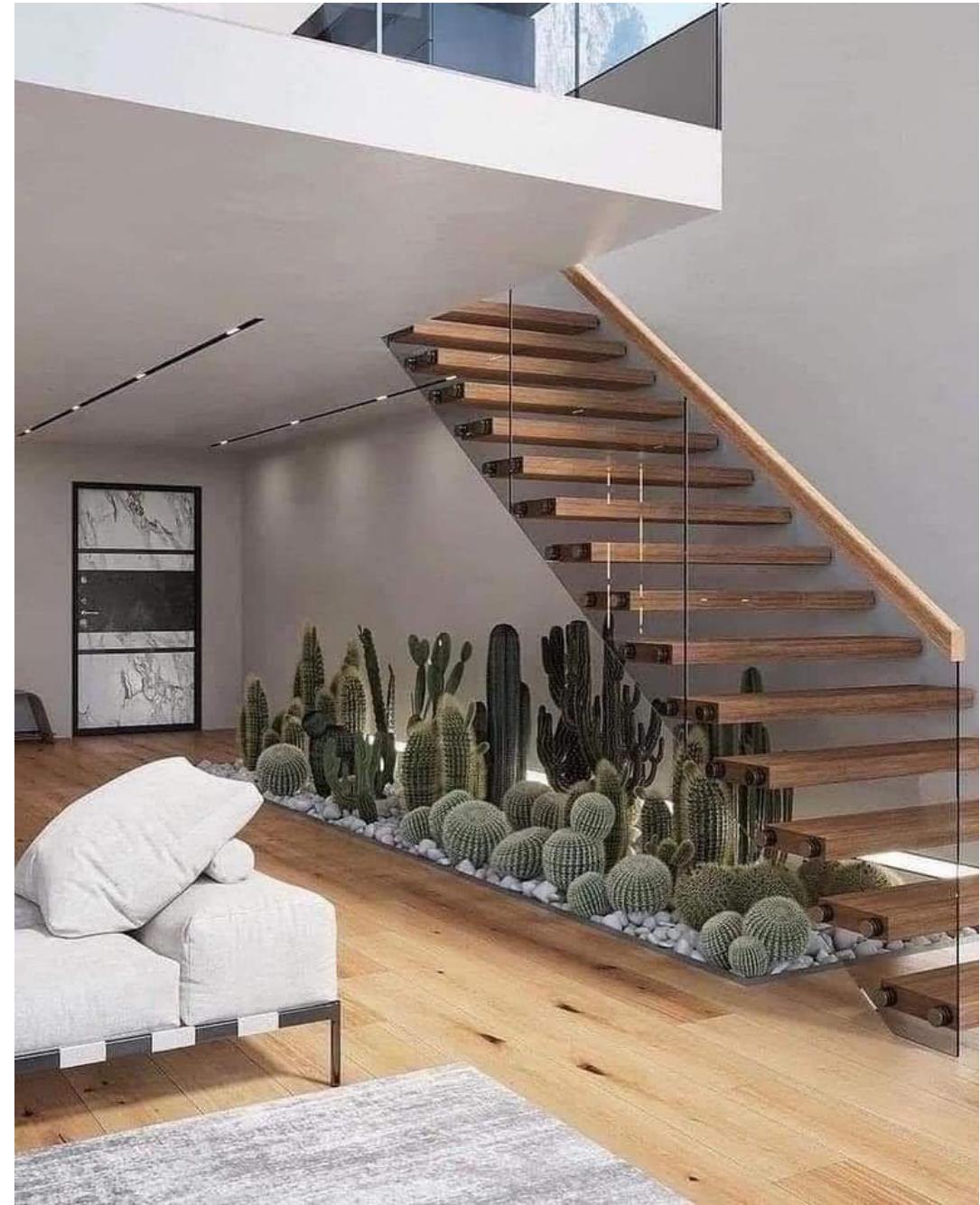


DE UN SOLO TRAMO

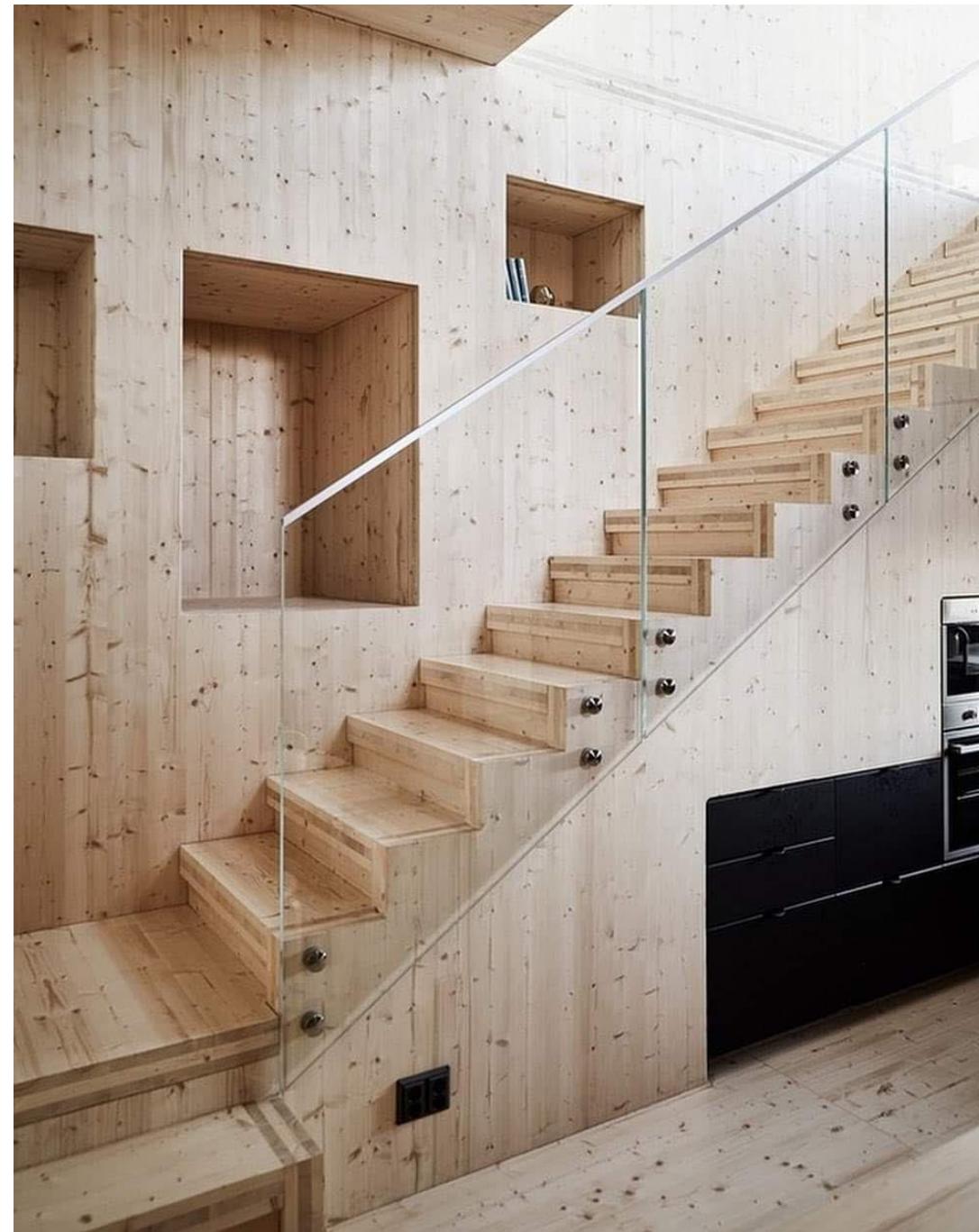


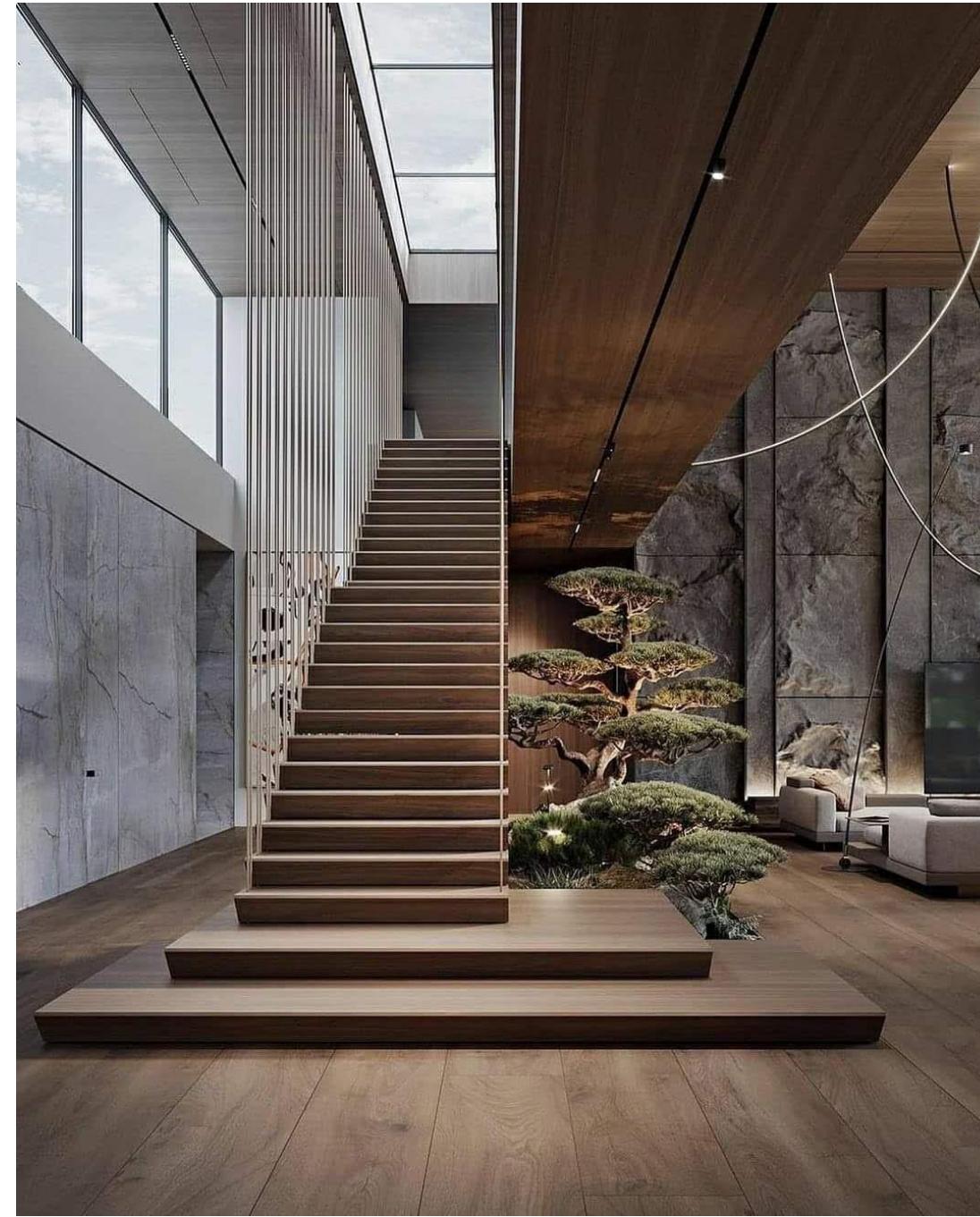








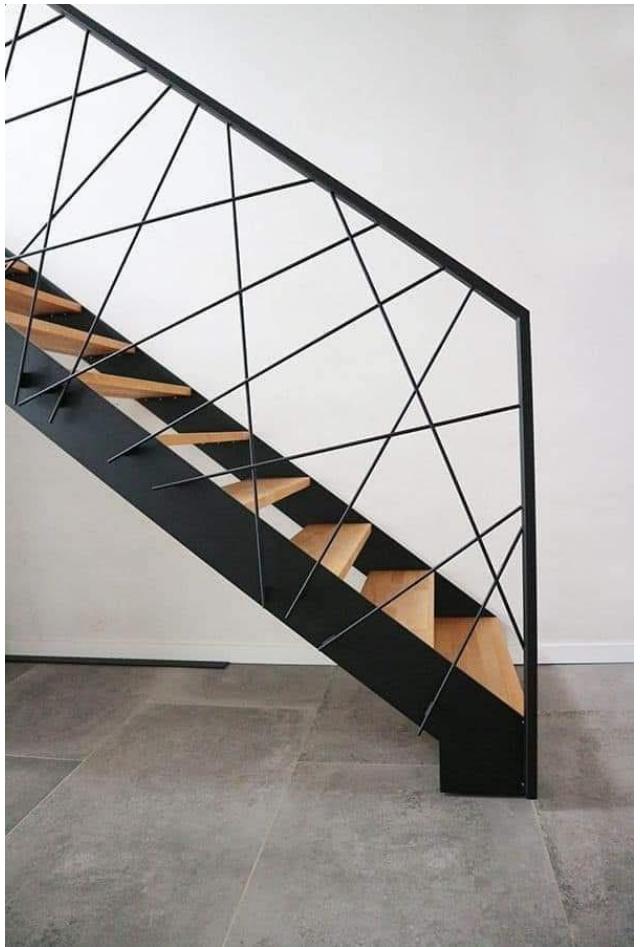


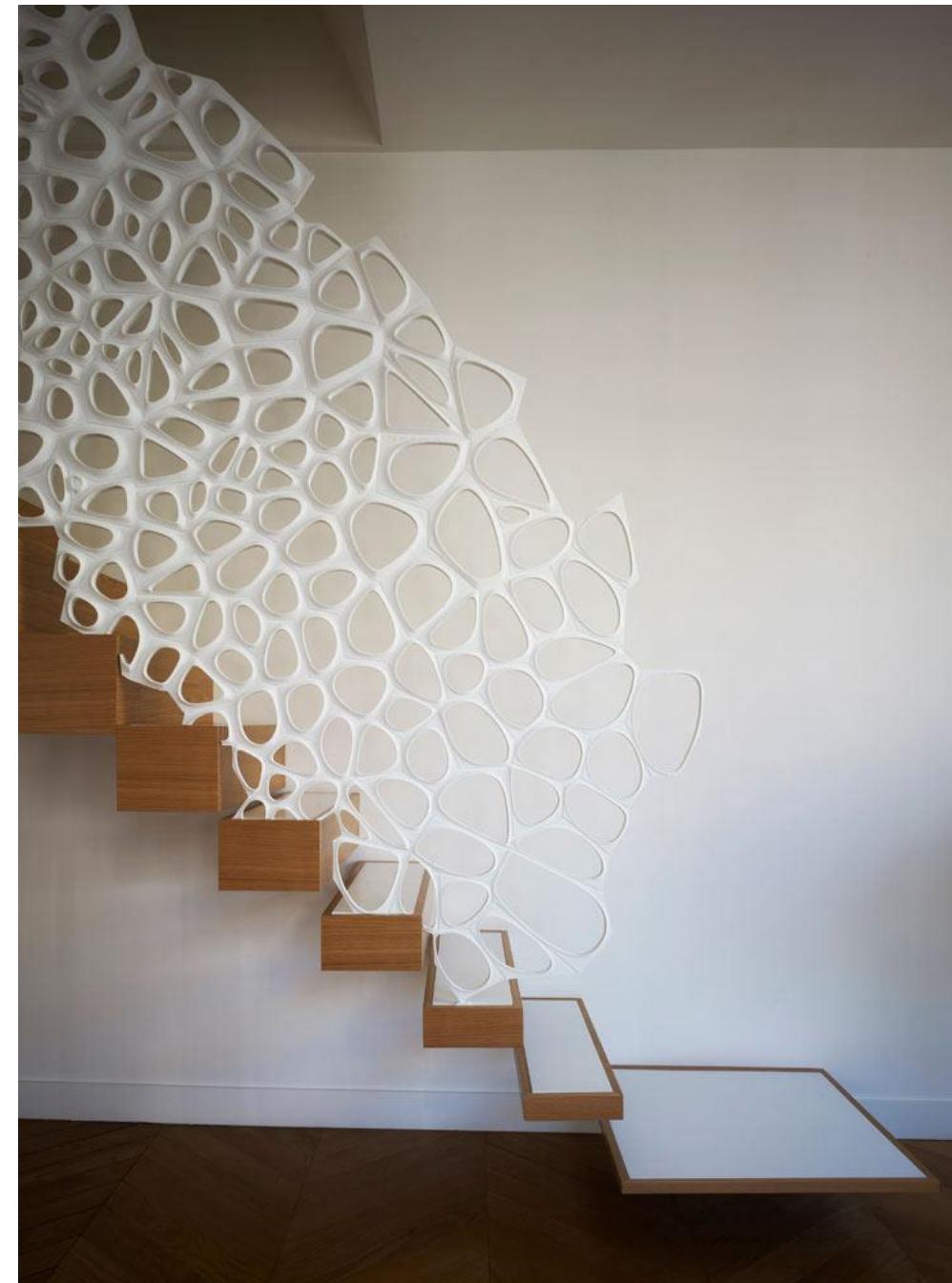


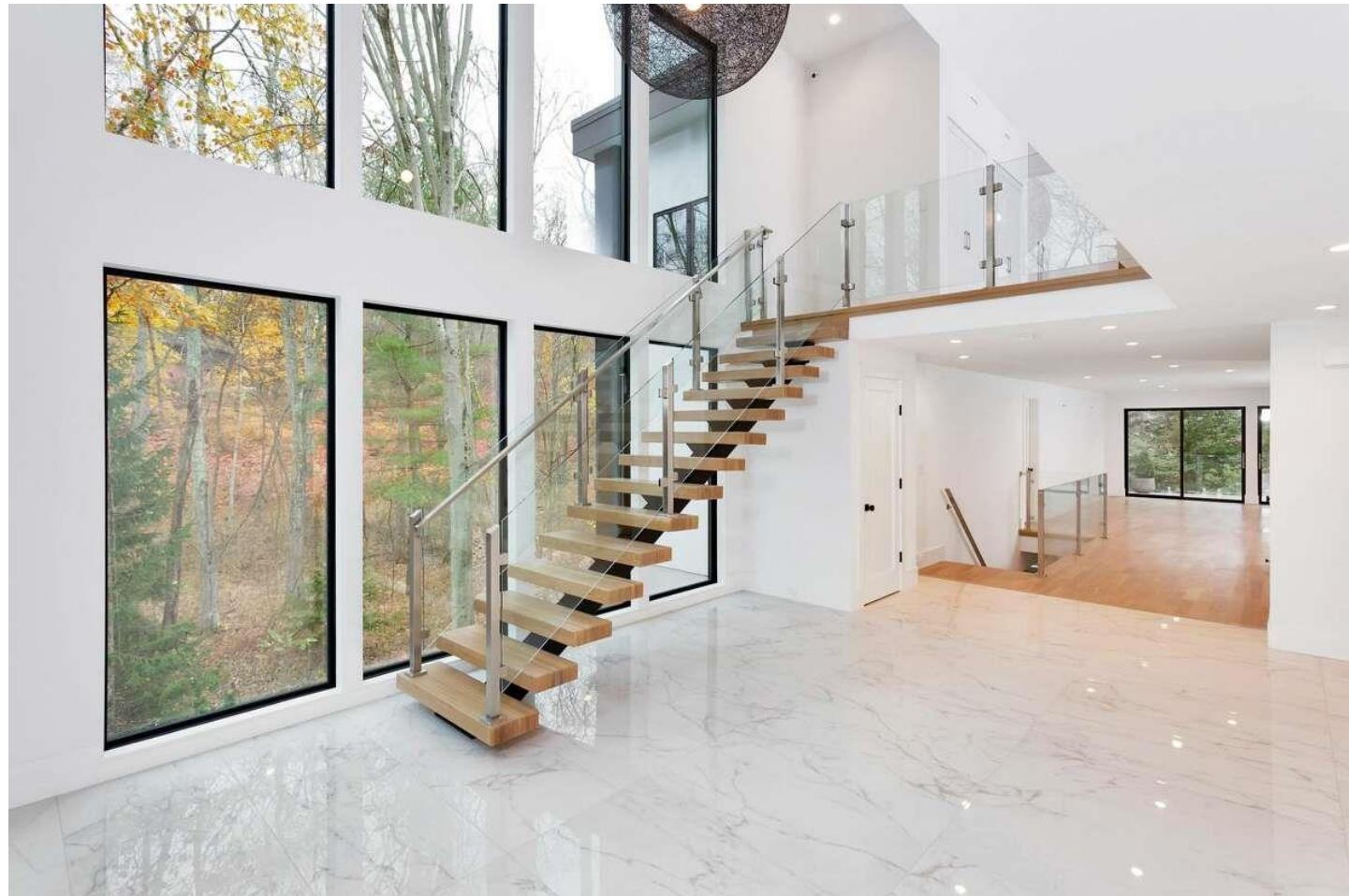


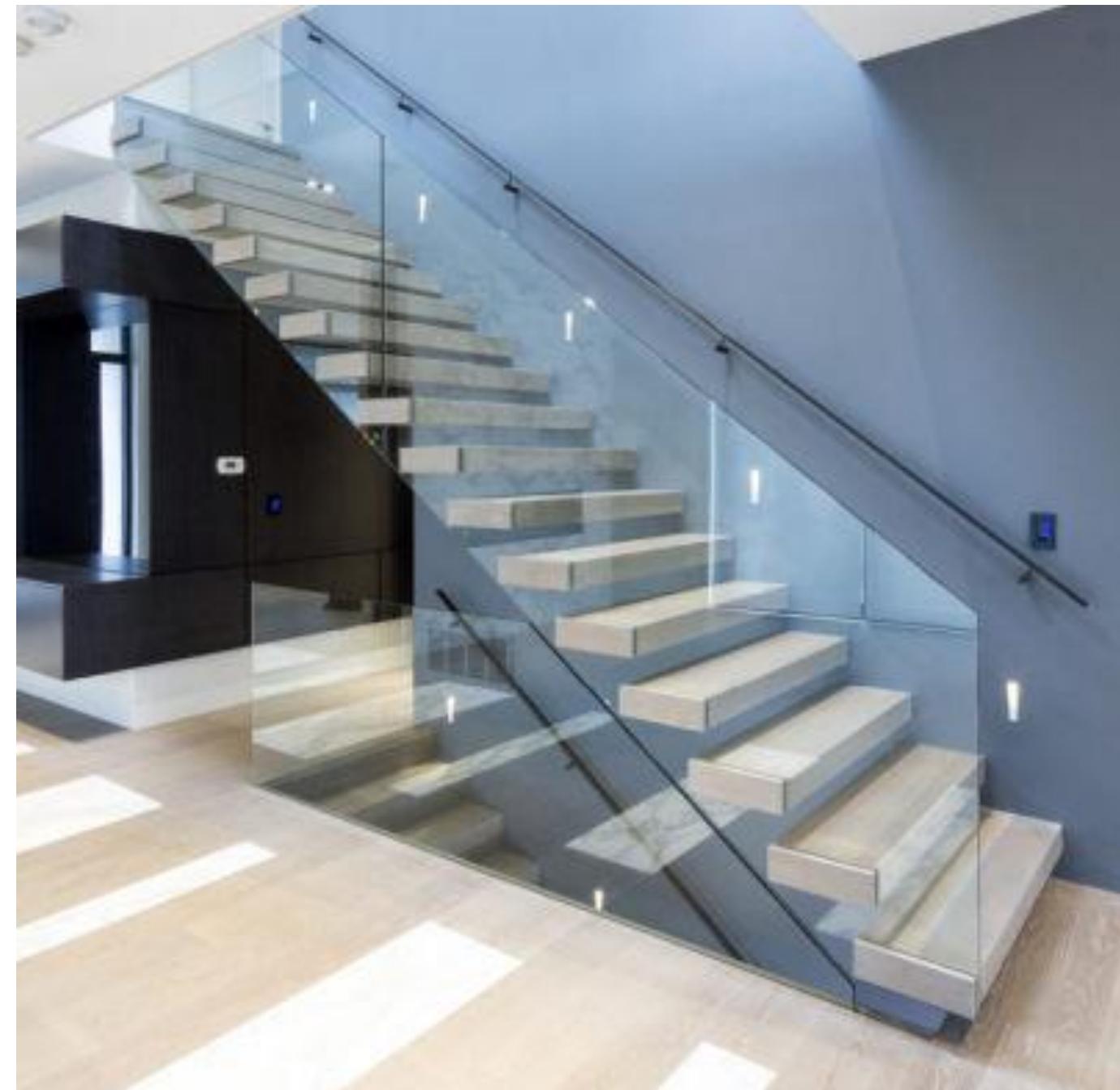
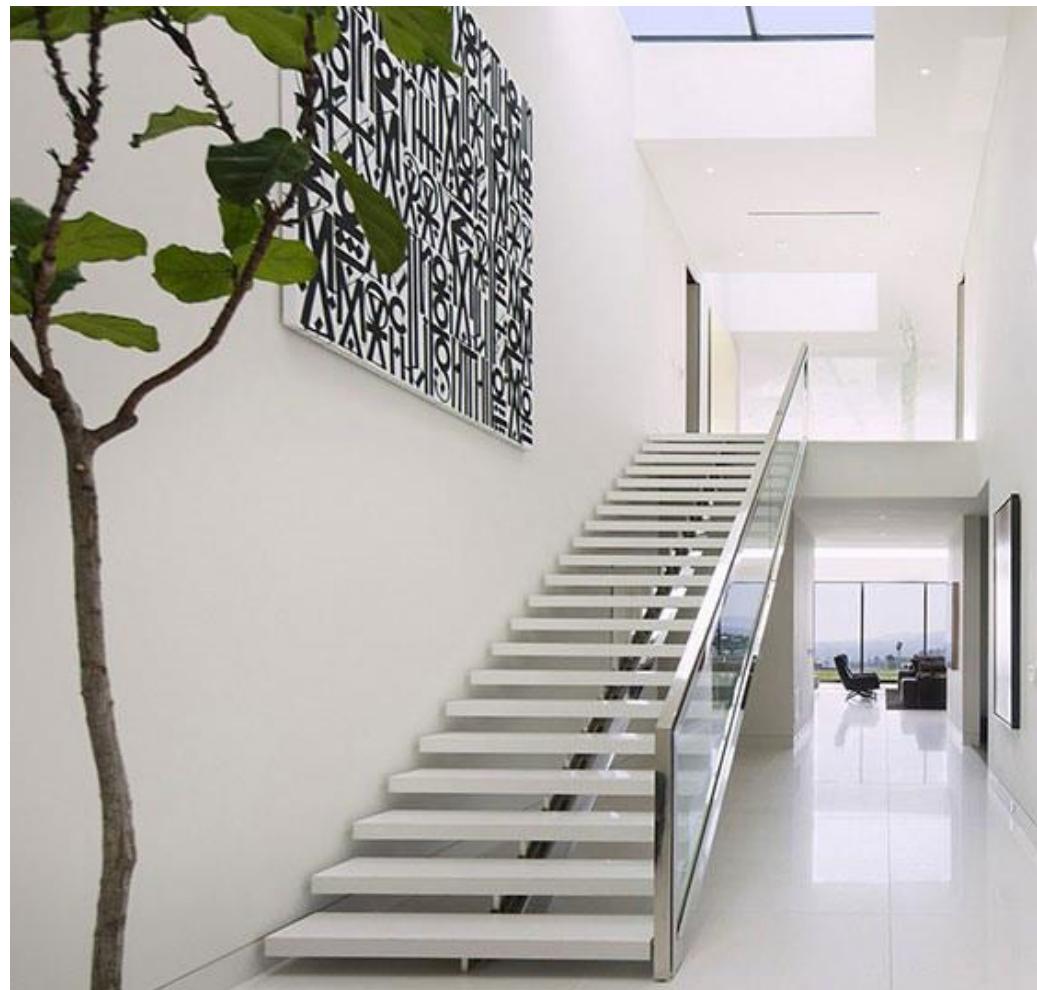






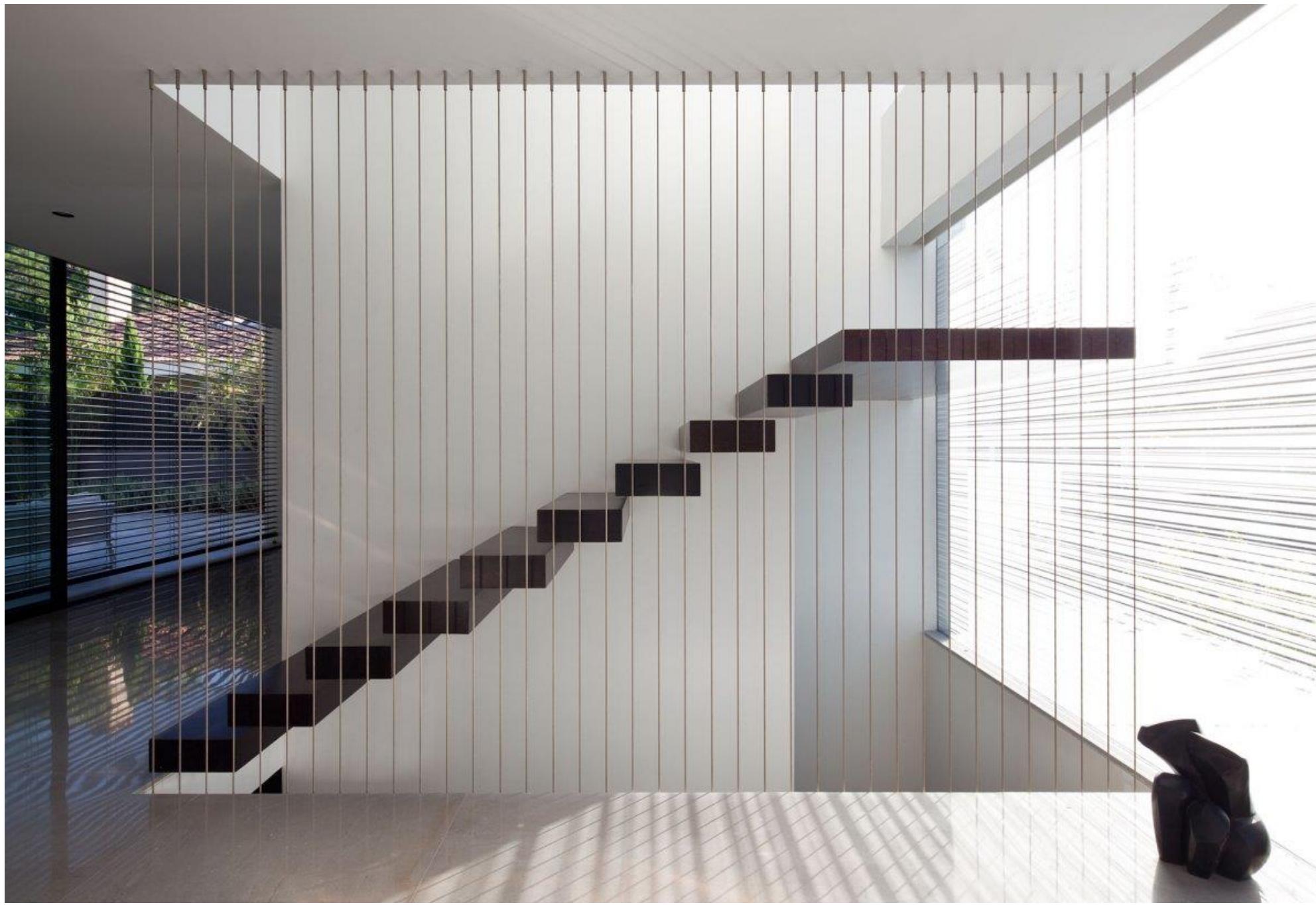


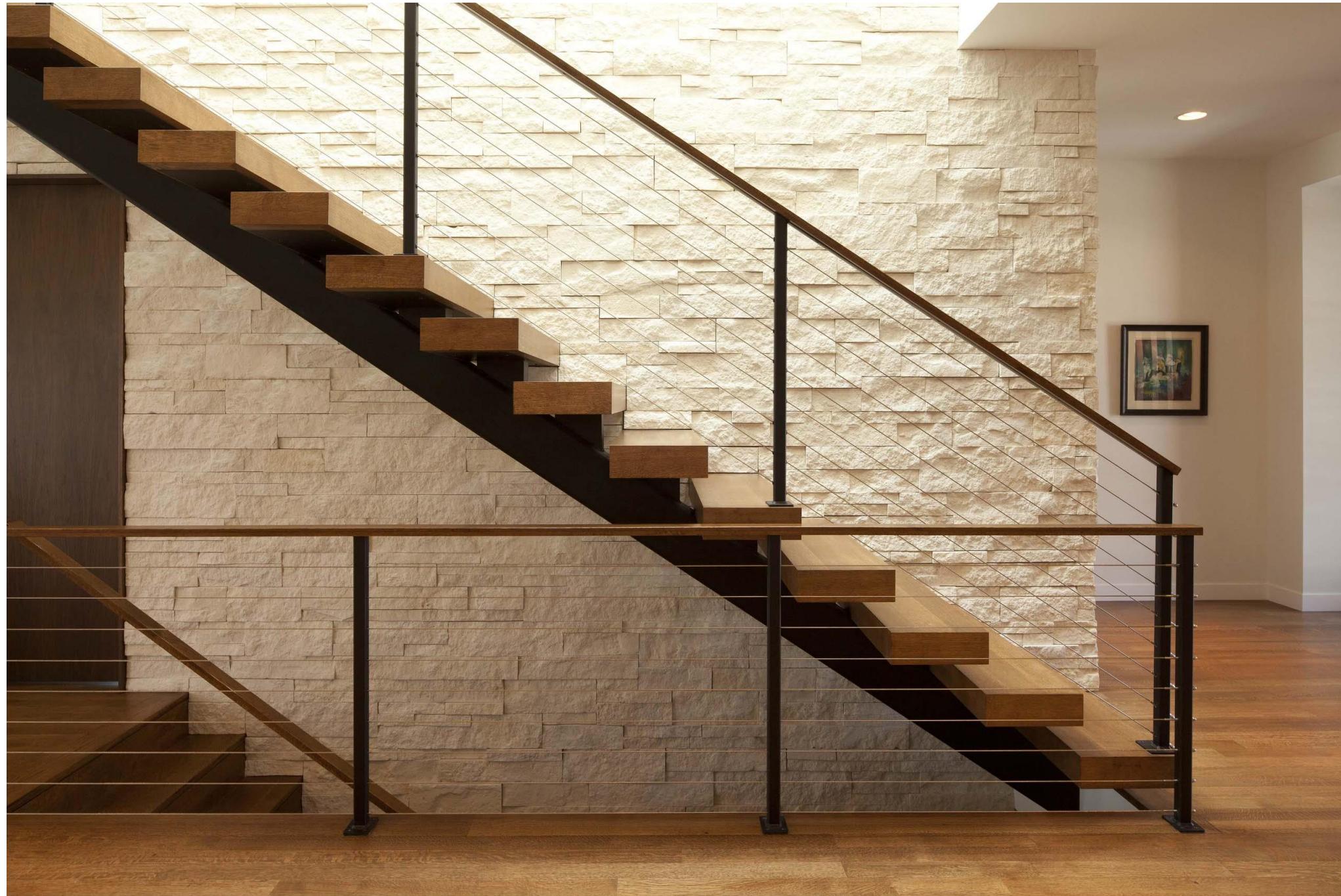


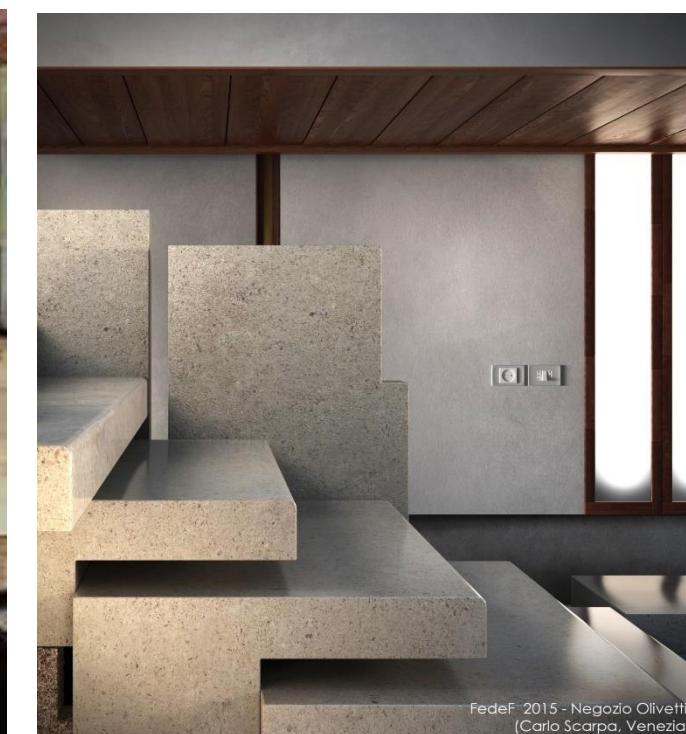




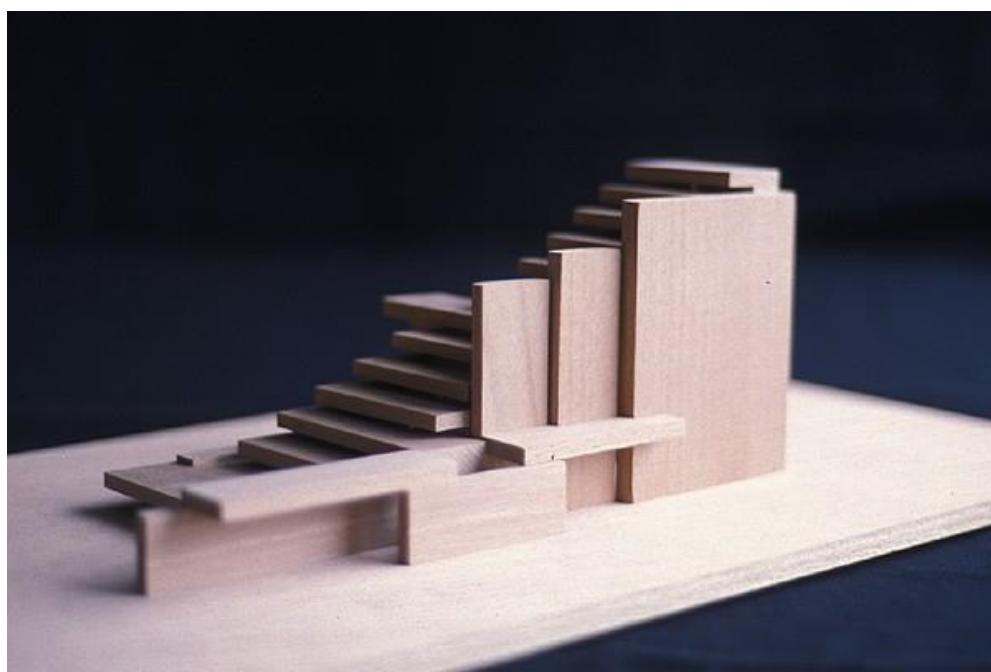






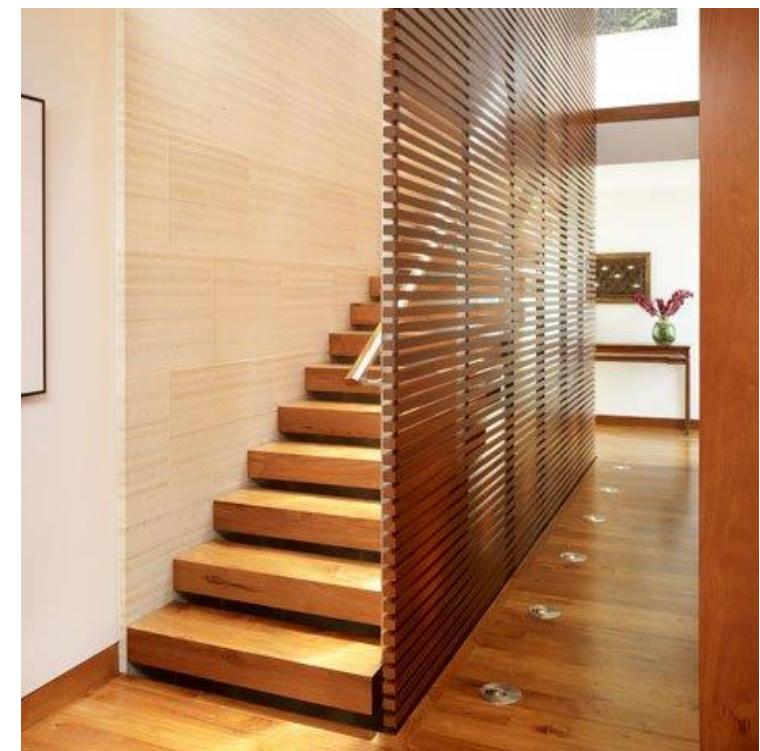
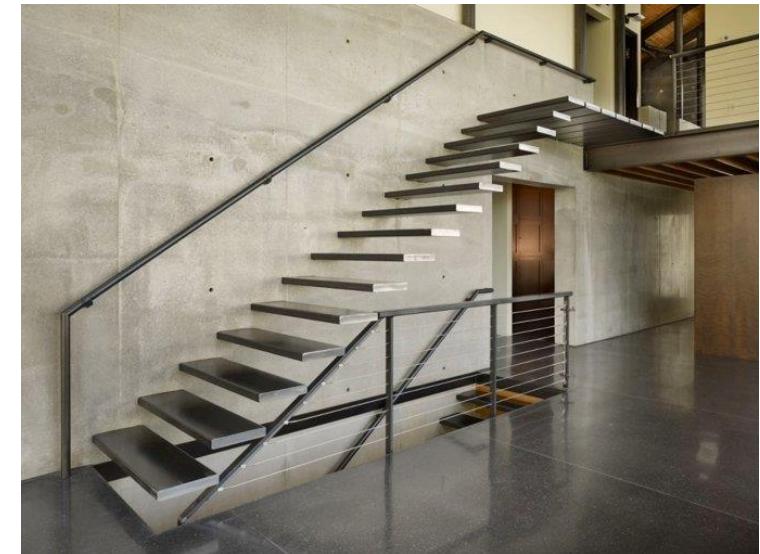


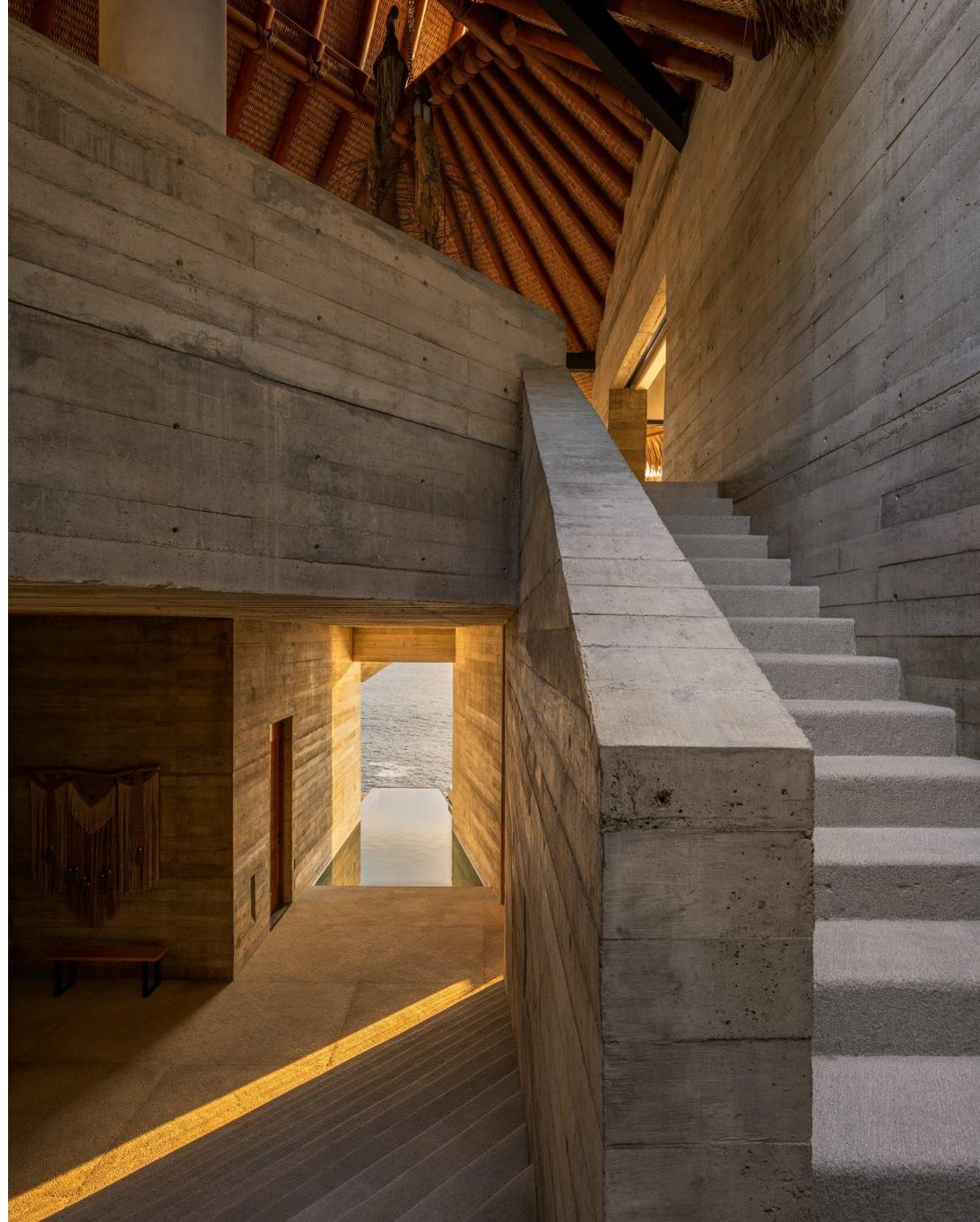
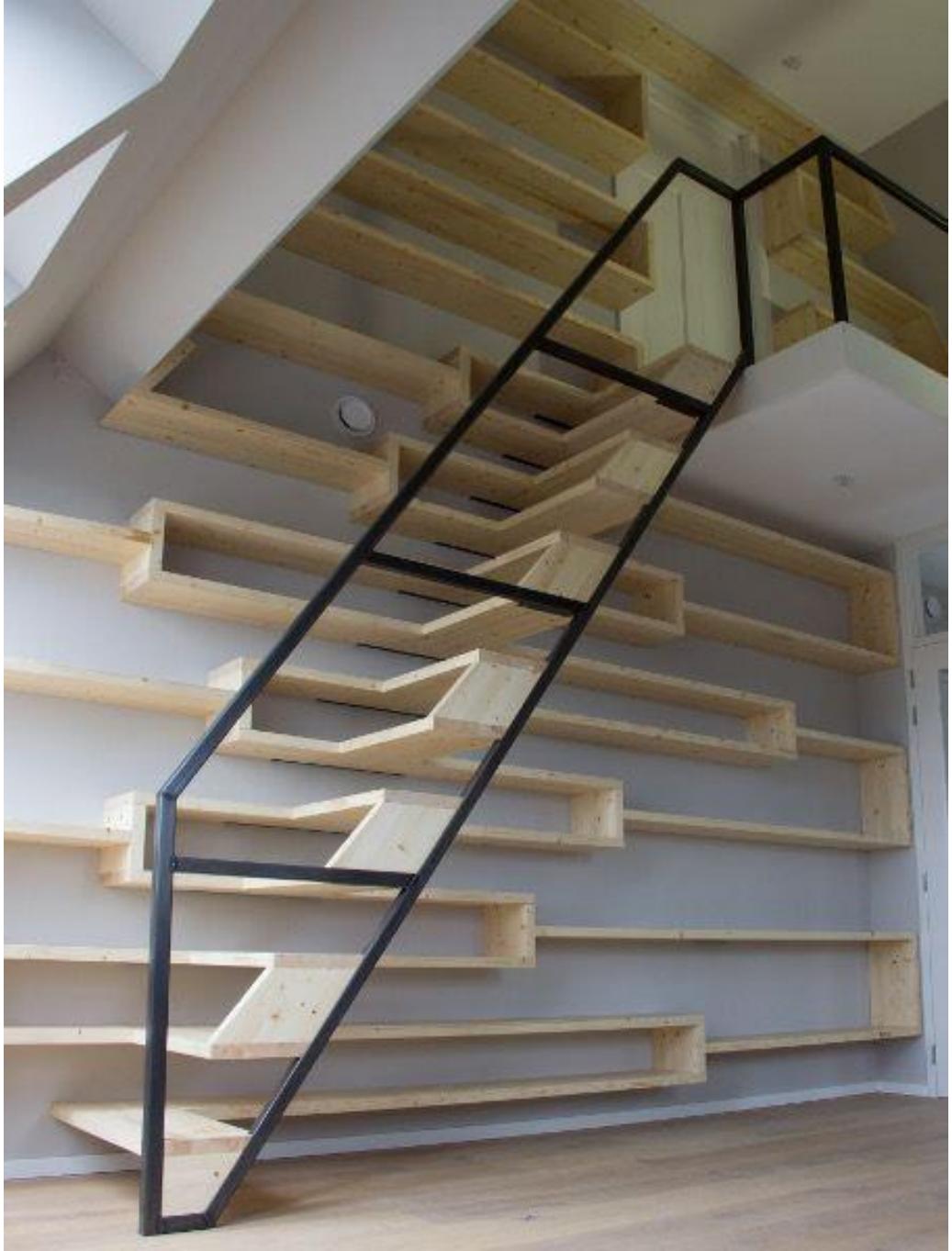
Fedef 2015 - Negozio Olivetti
(Carlo Scarpa, Venezia)

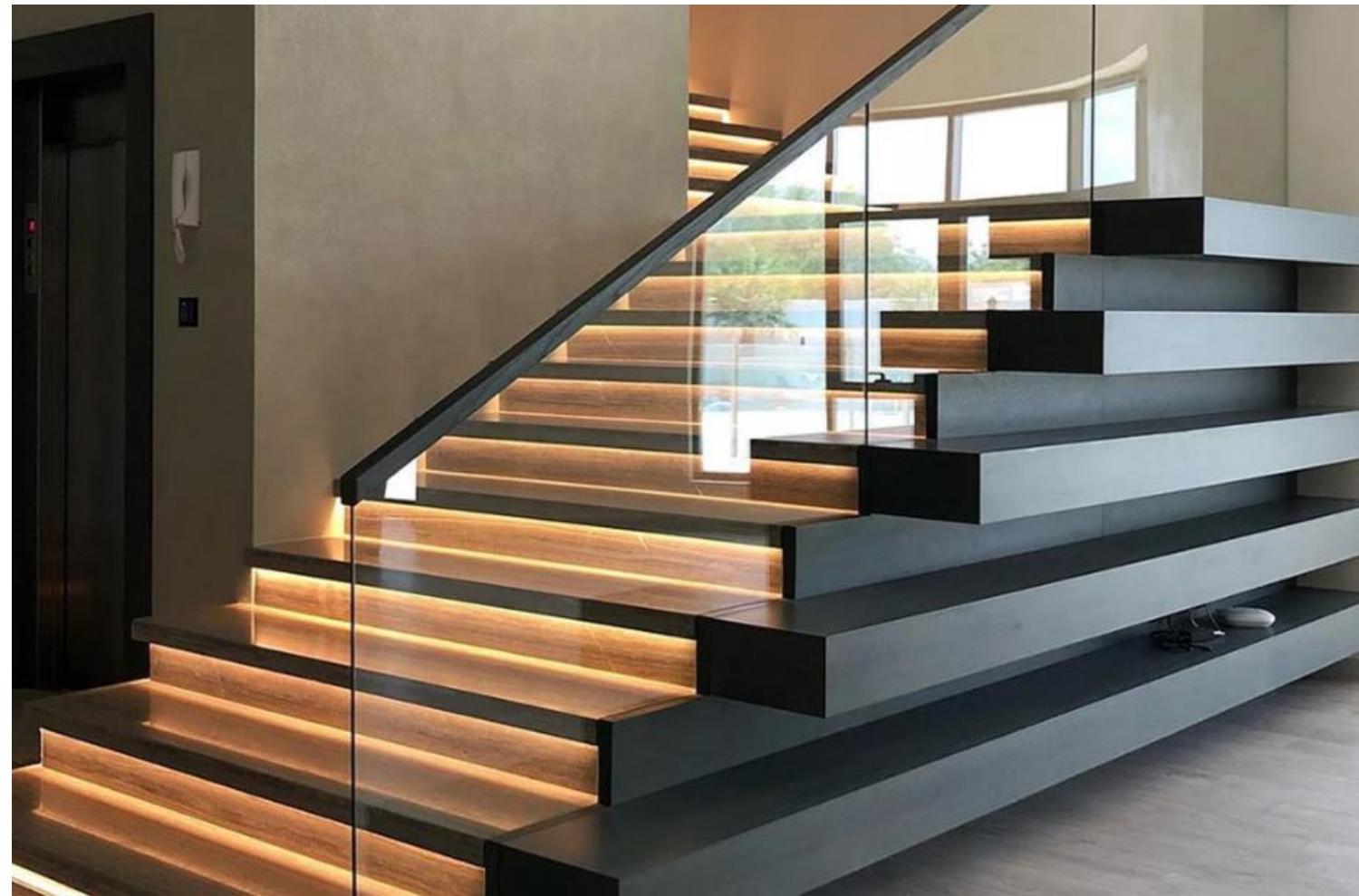


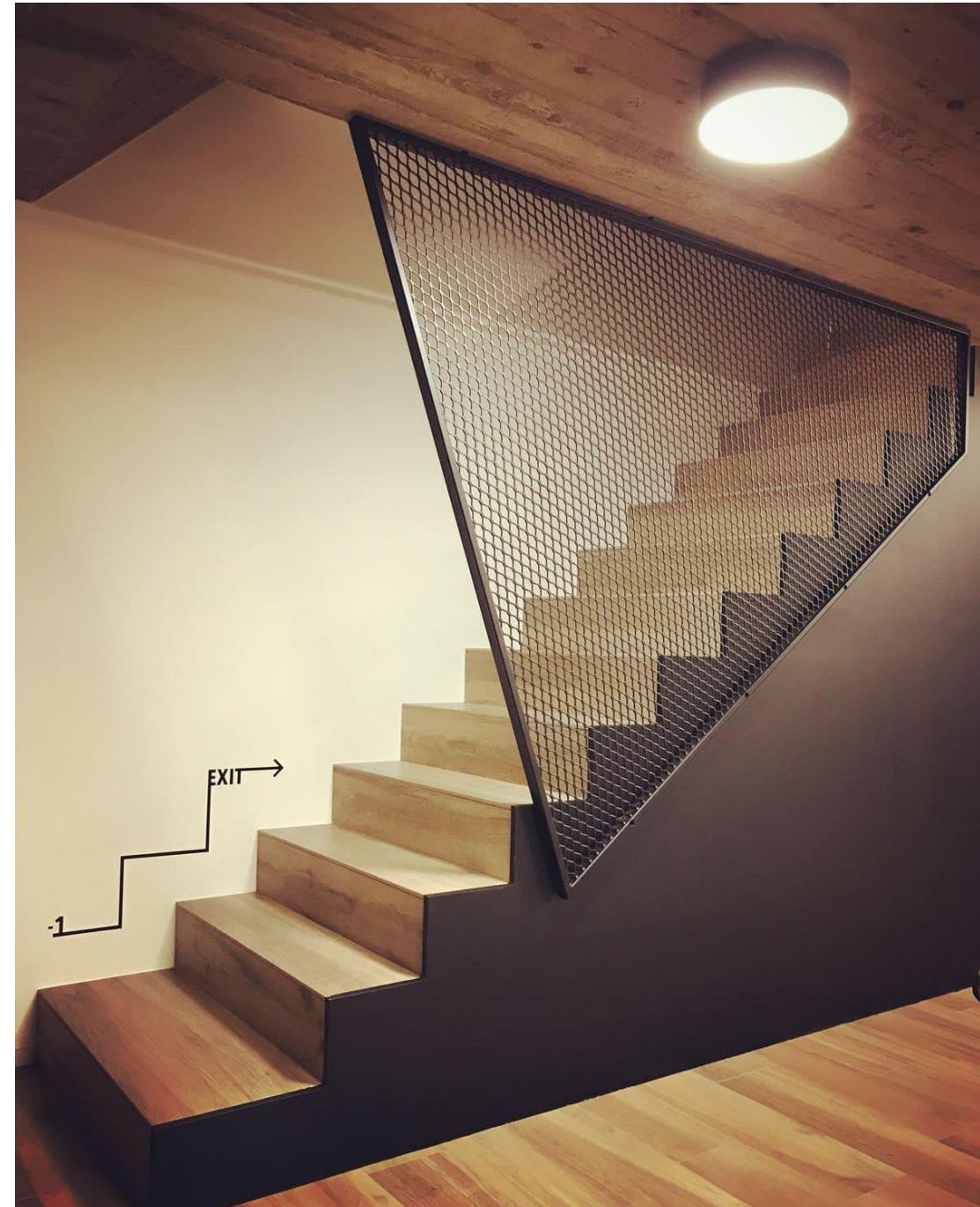
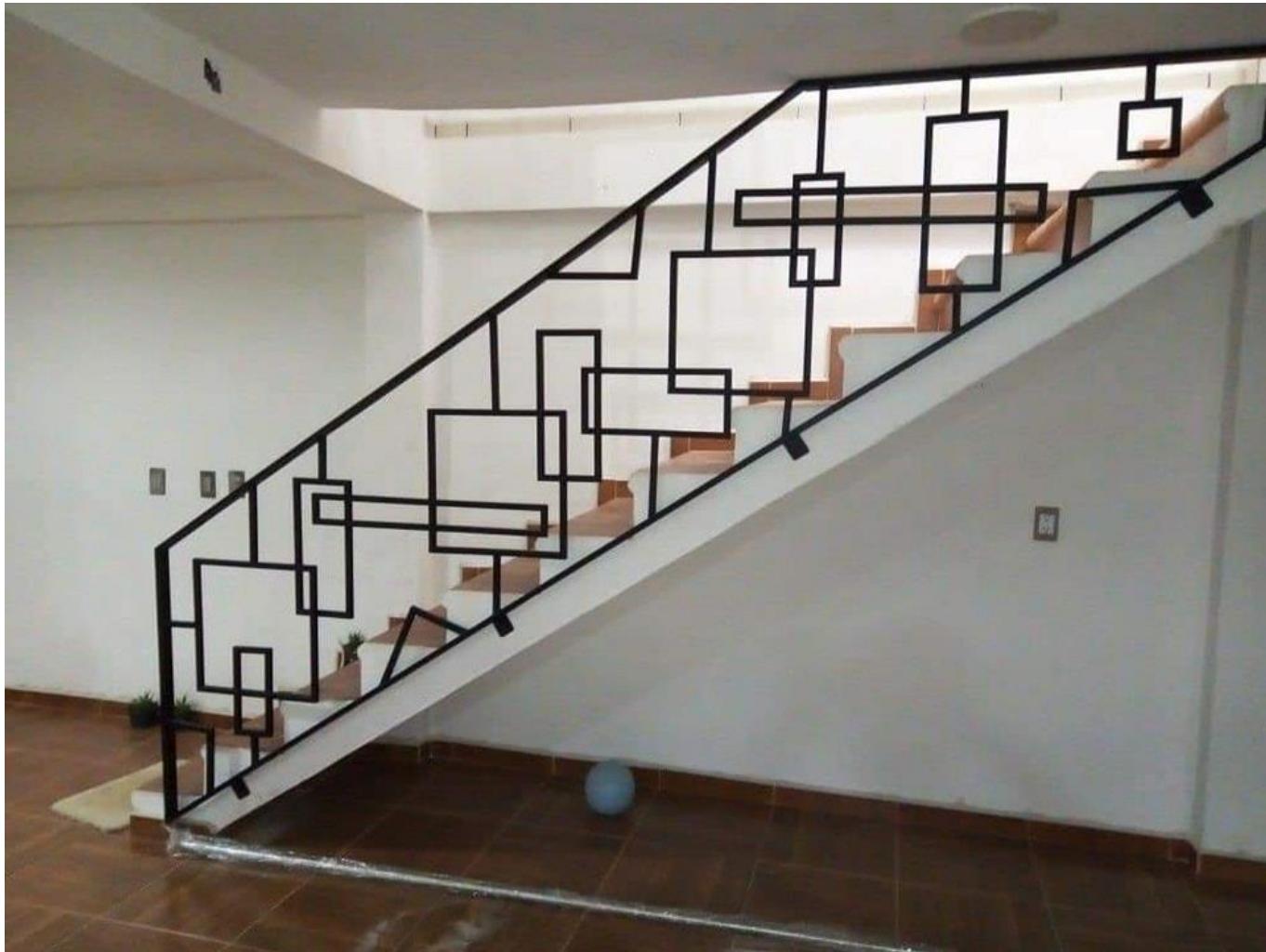


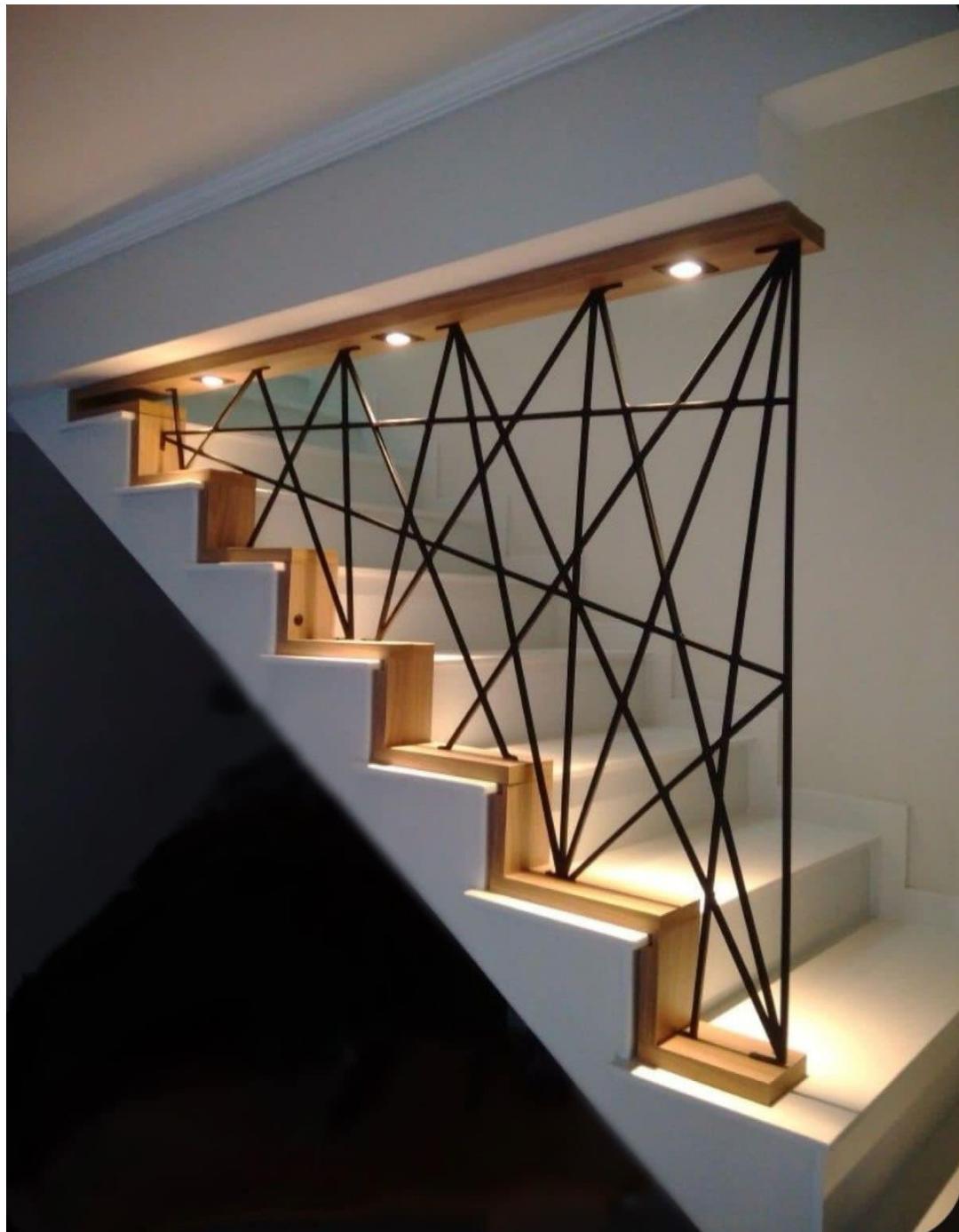




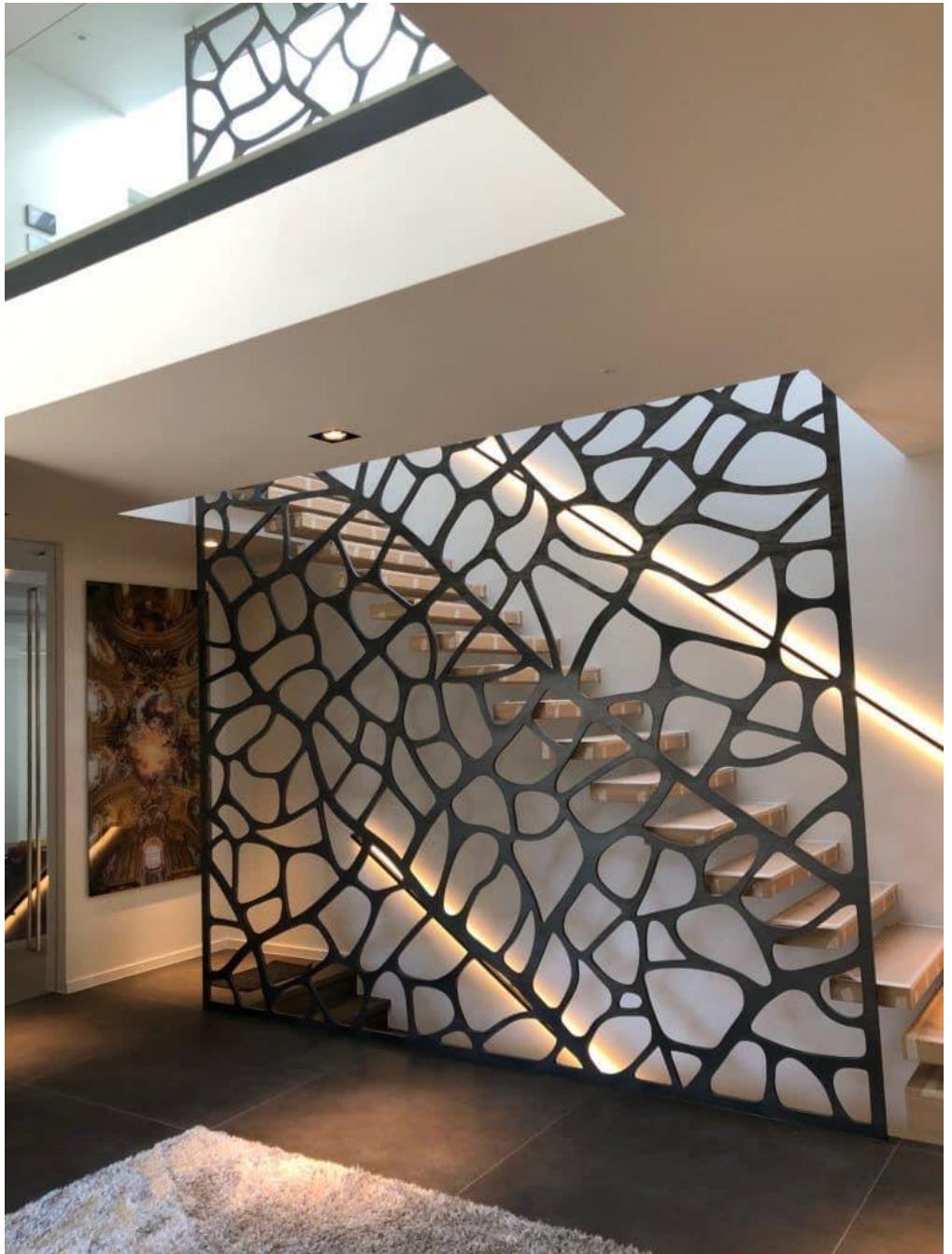










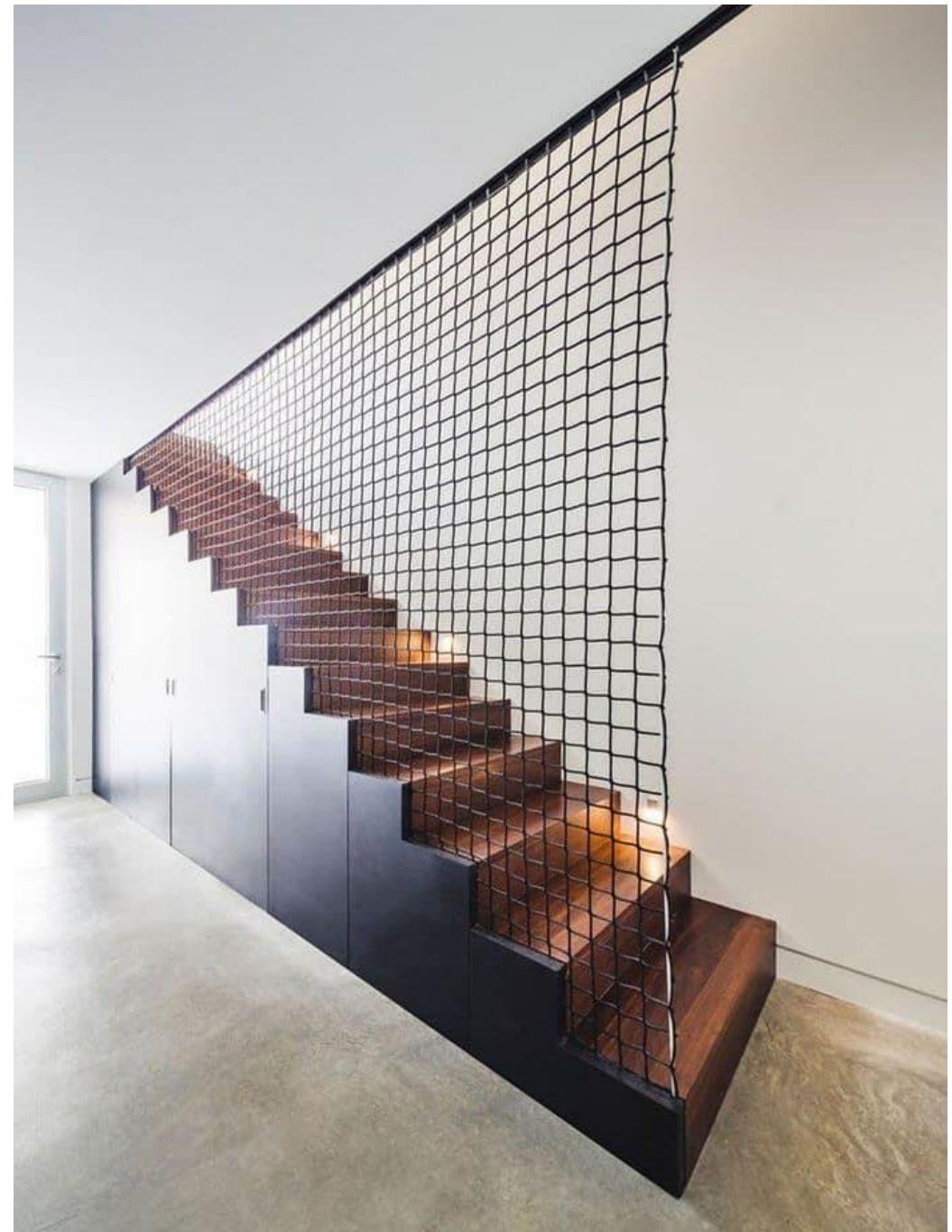




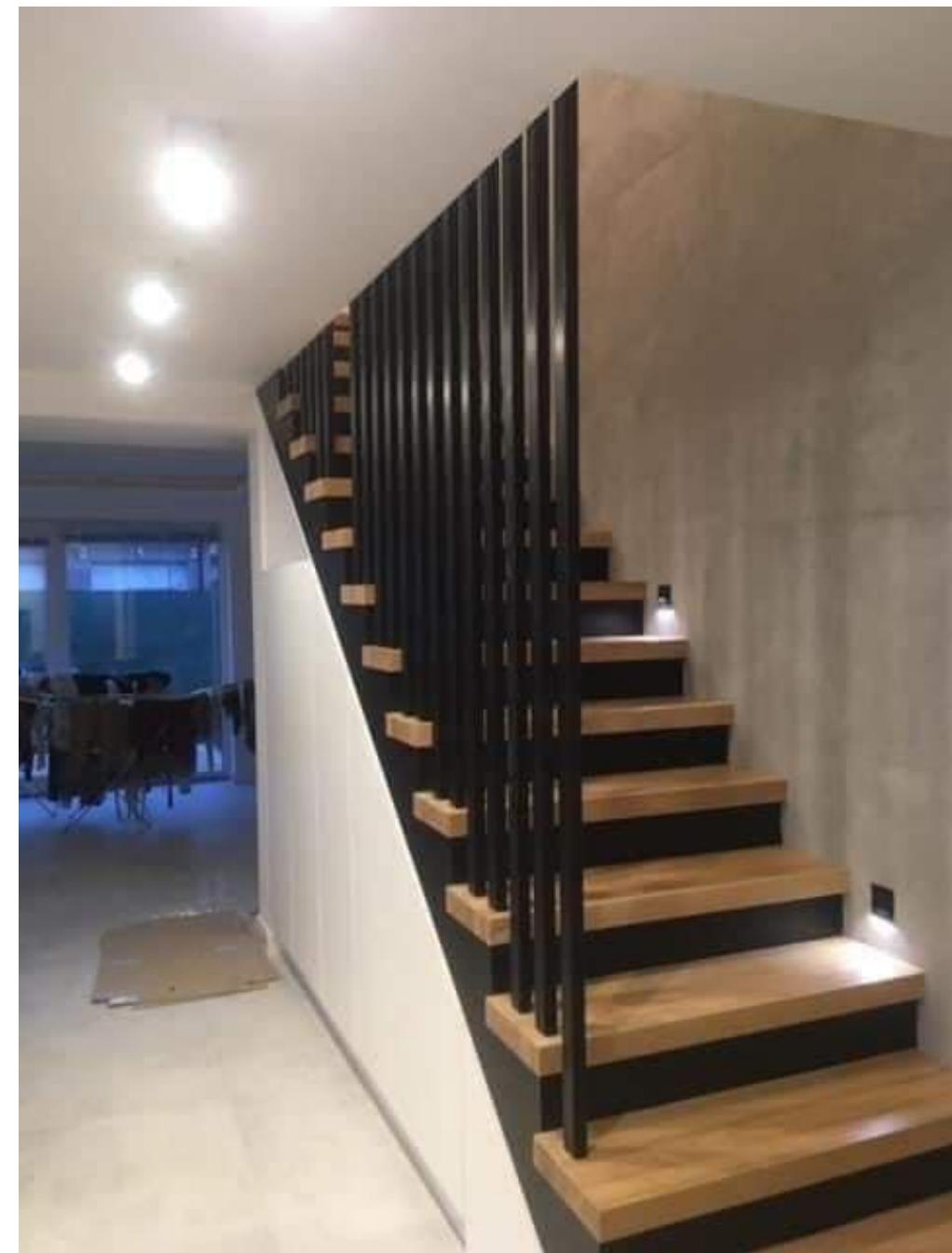
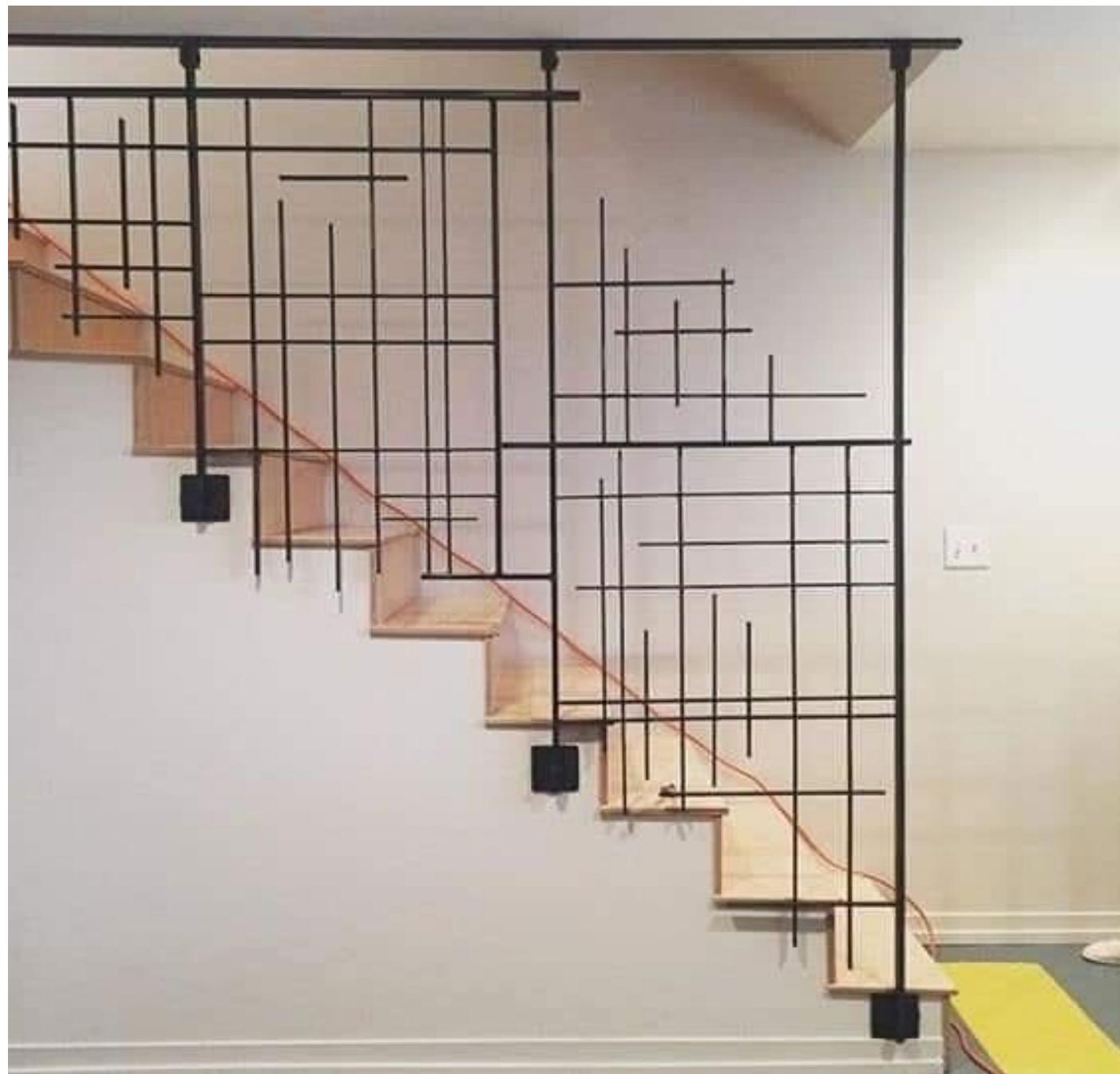
tiktok @cysmetalicasfa



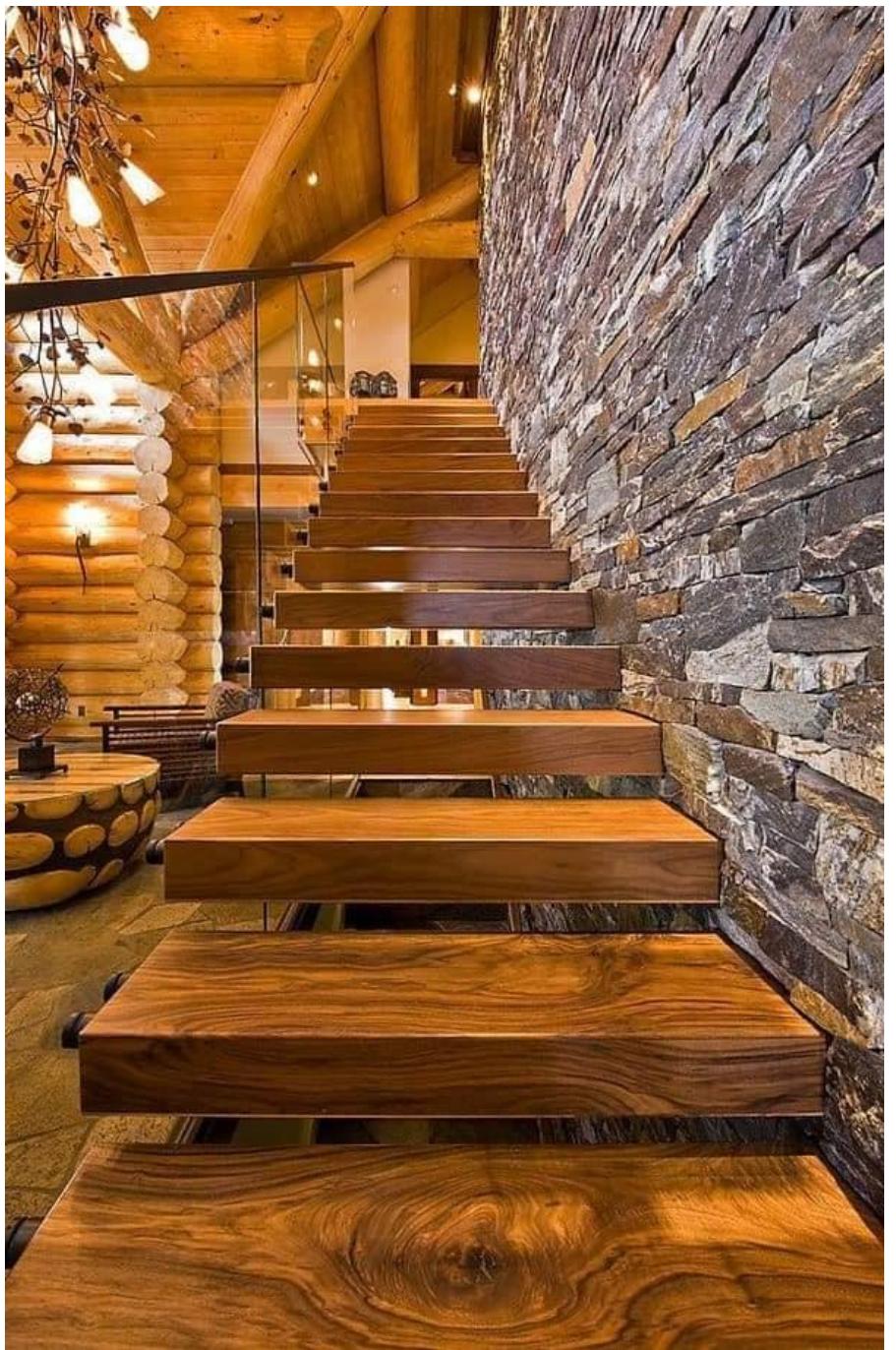
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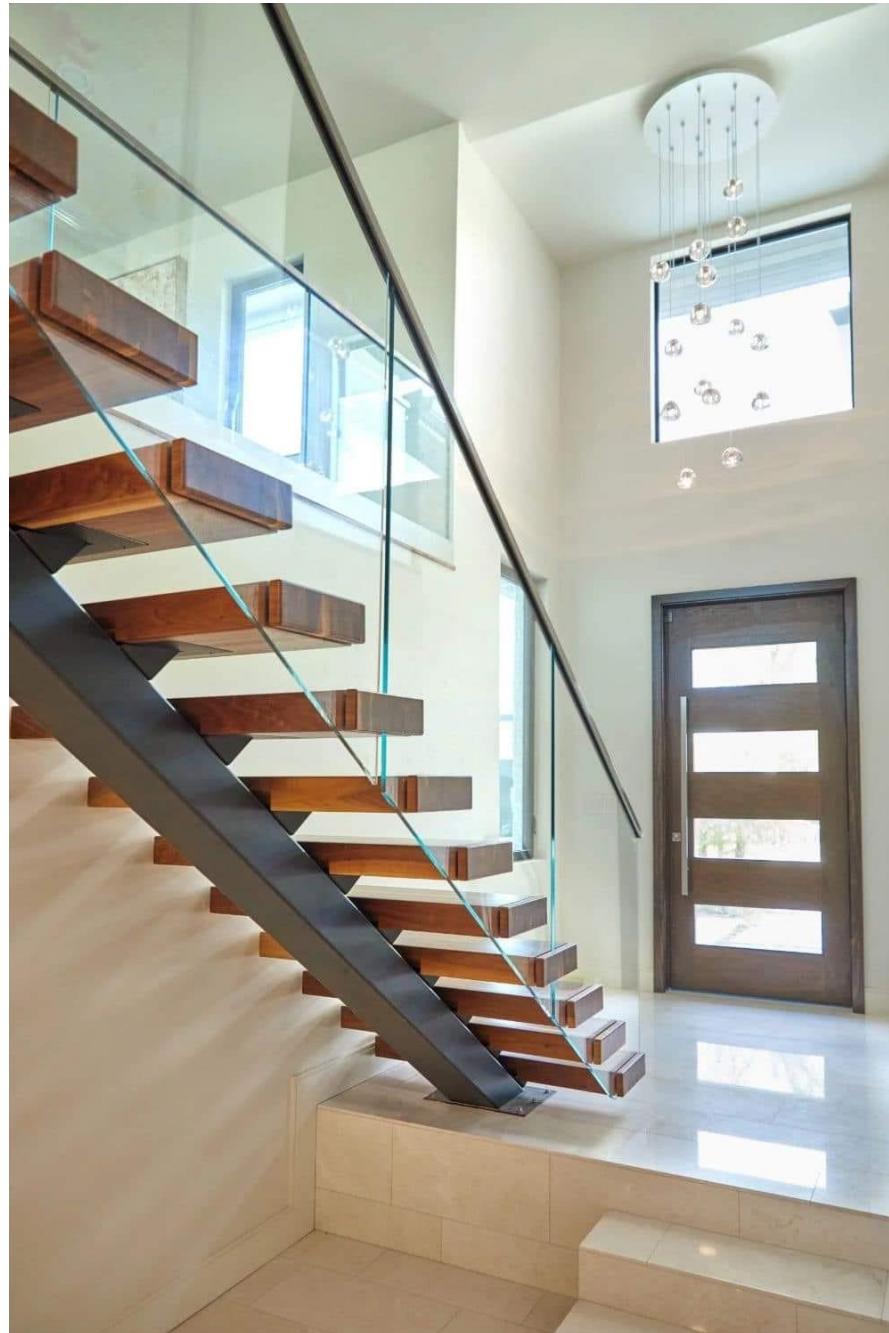


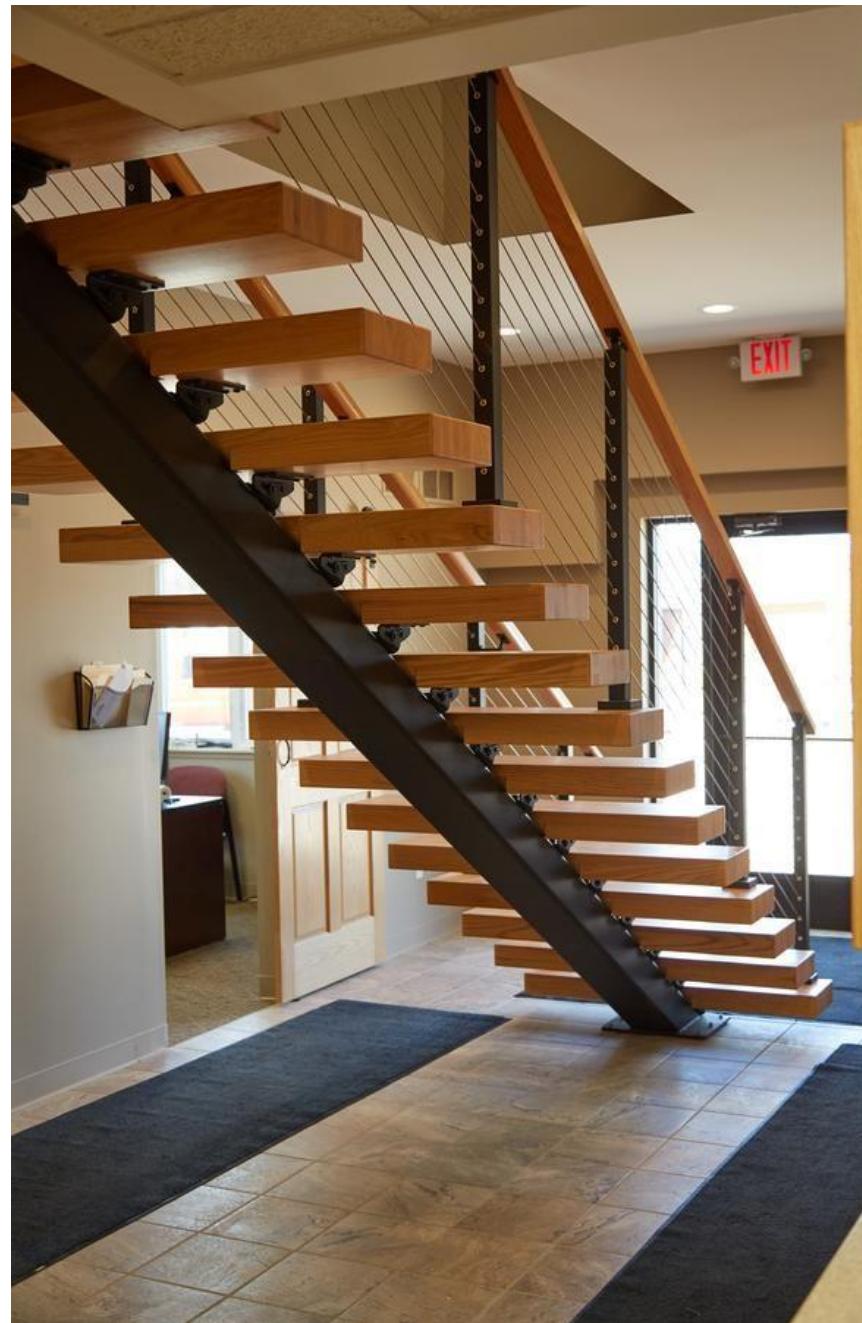






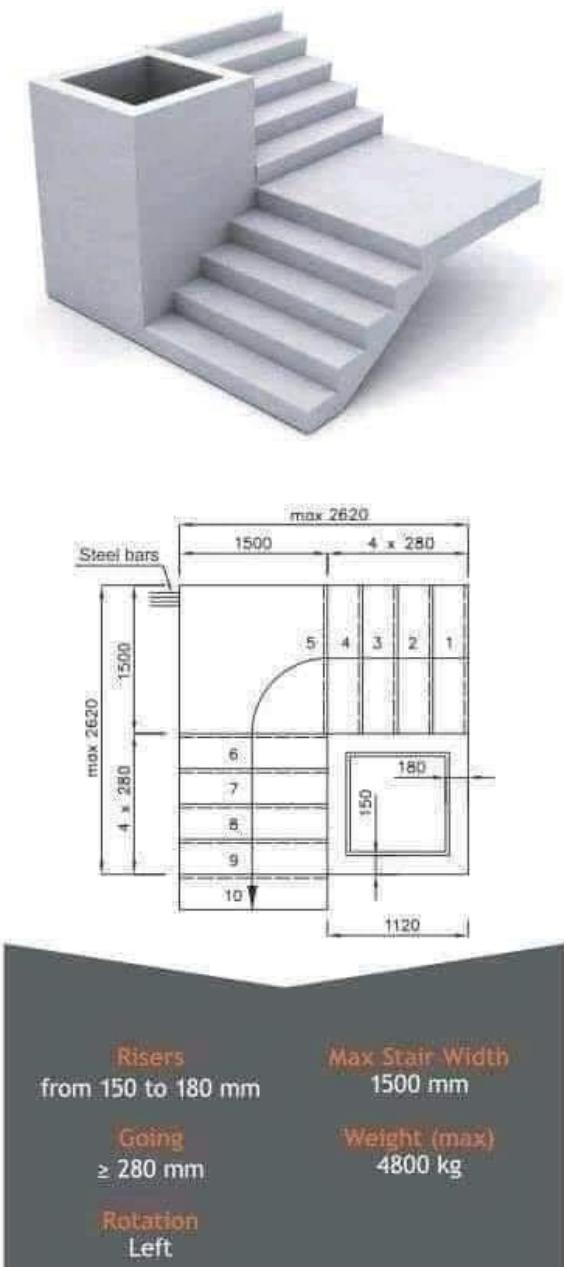


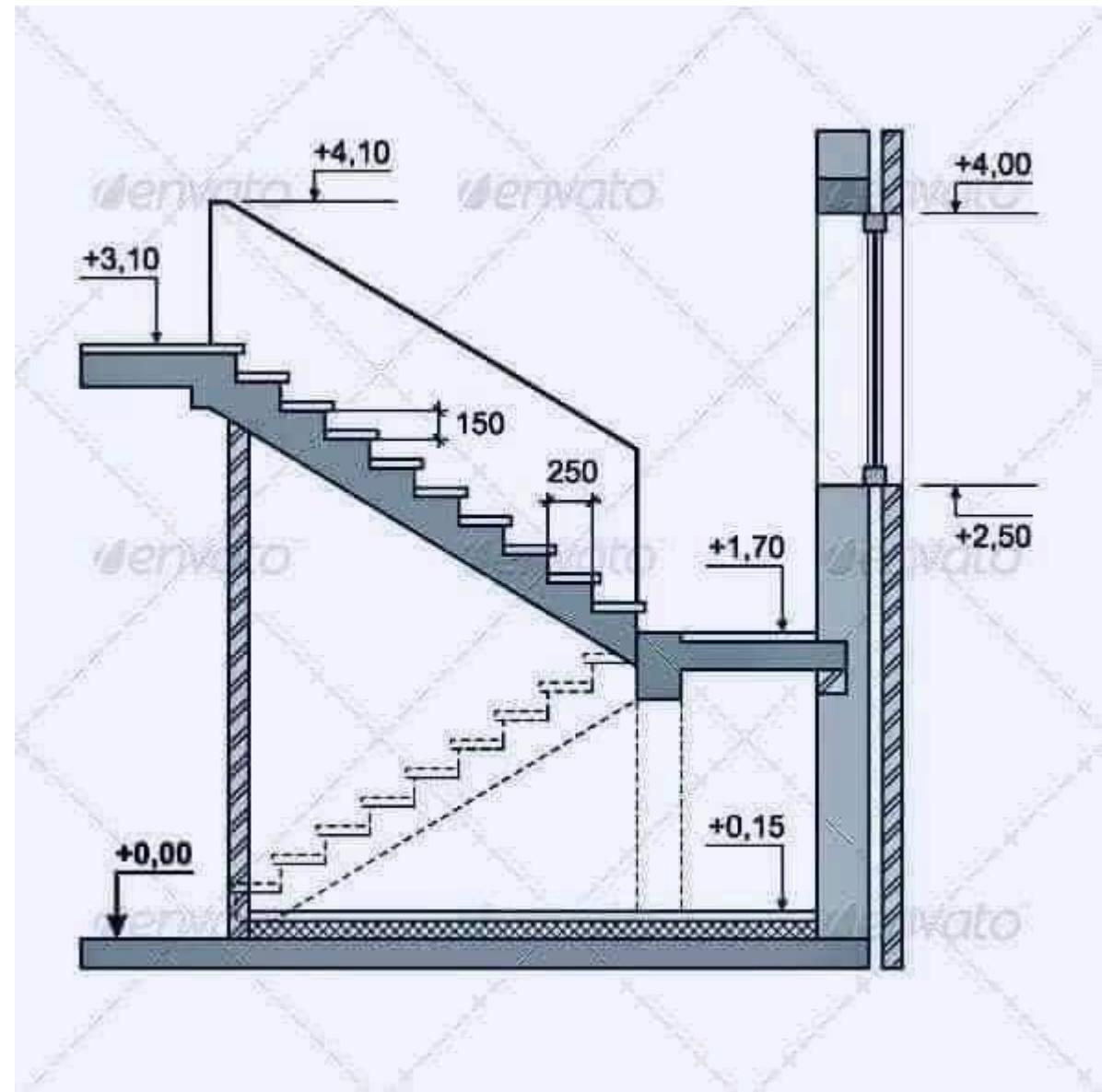
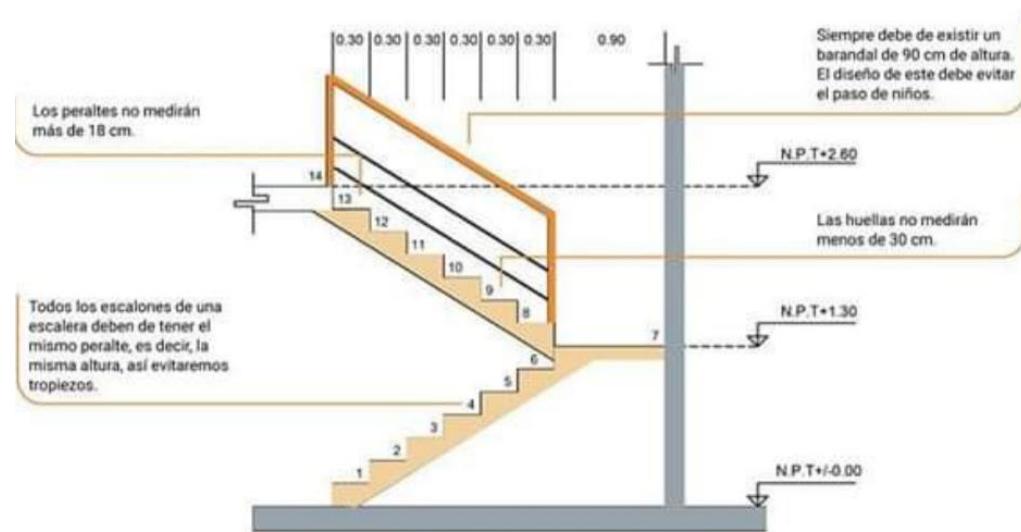
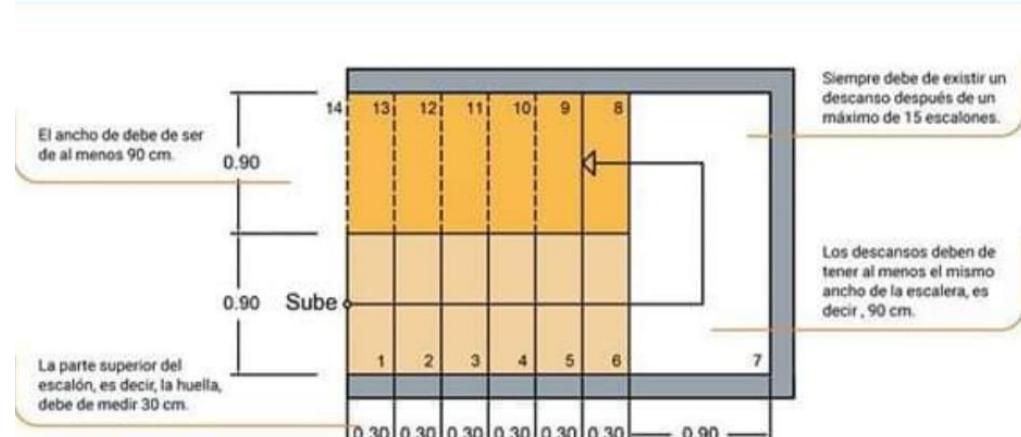


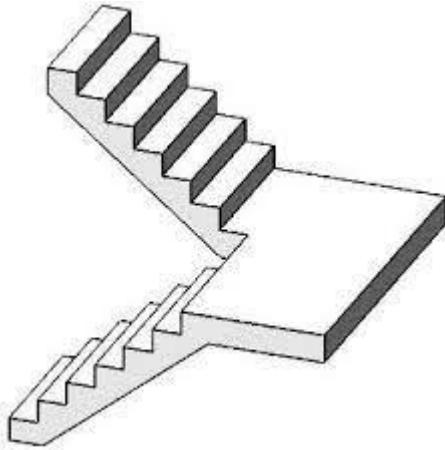


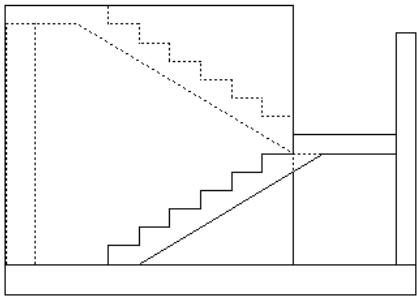


DE DOS TRAMOS

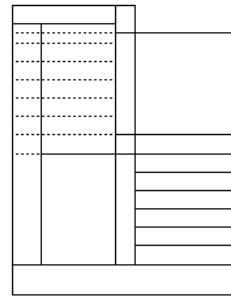




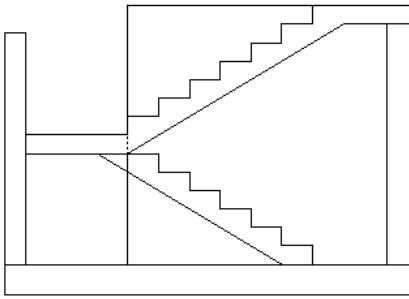




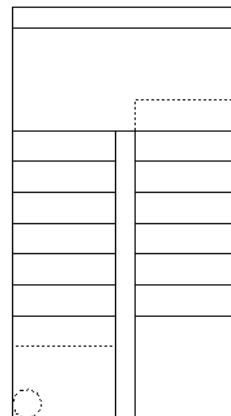
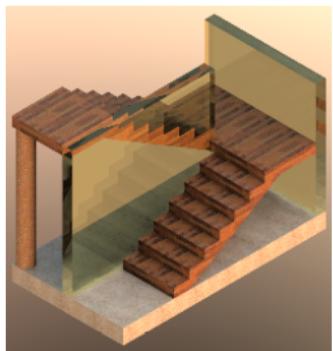
ALZADO DERECHO



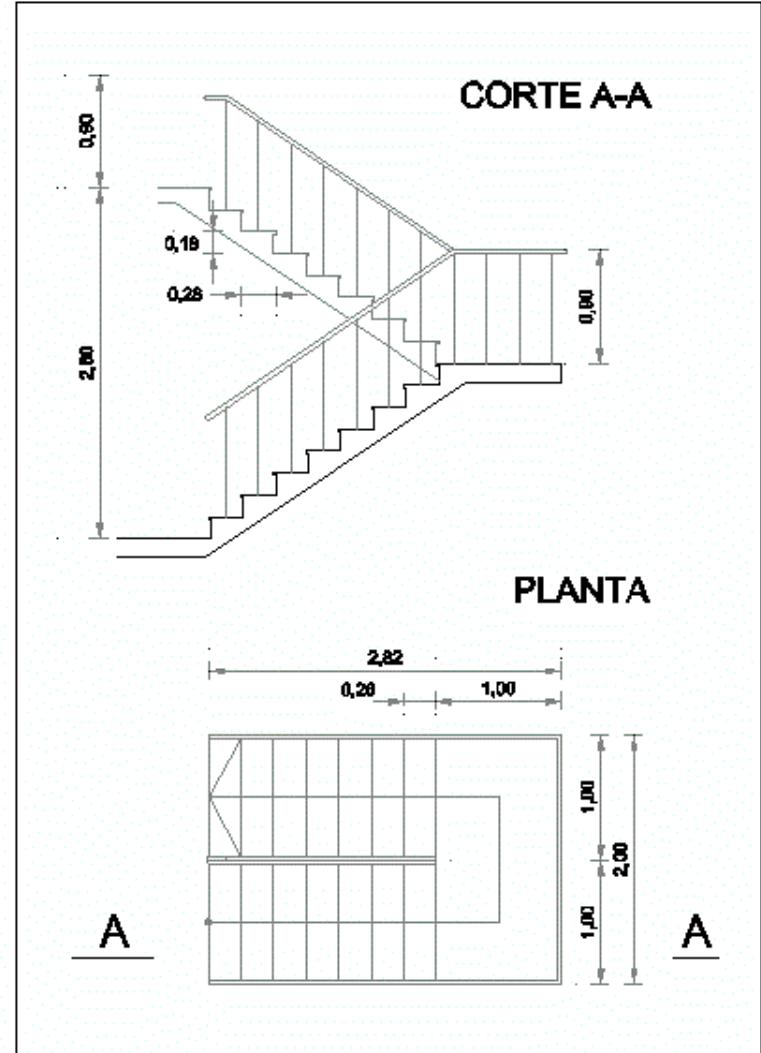
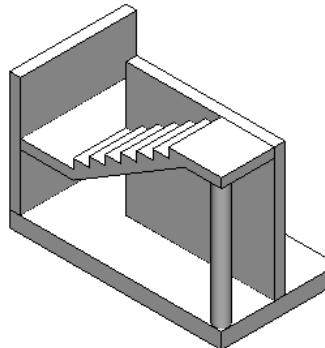
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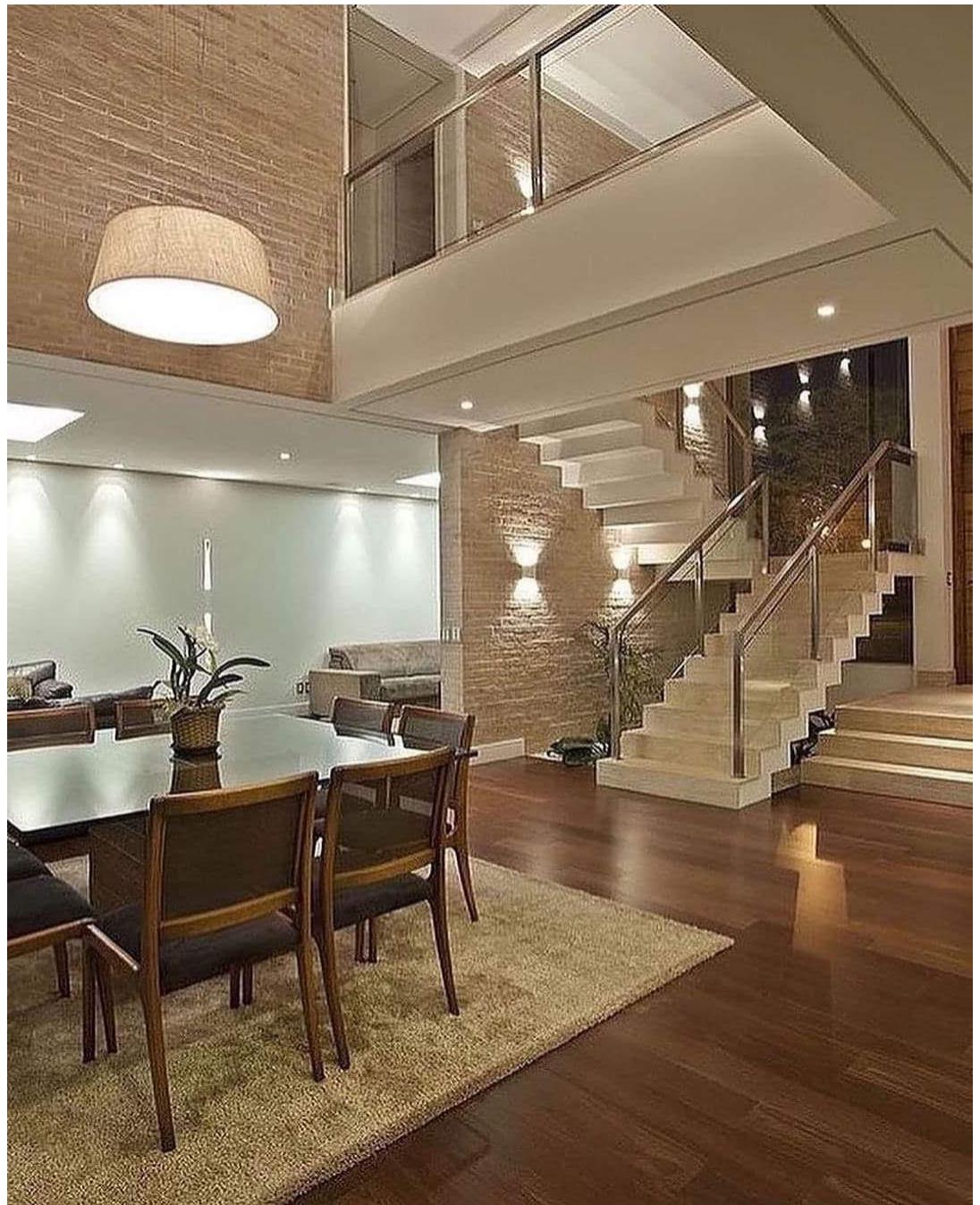


ALZADO IZQUIERDO

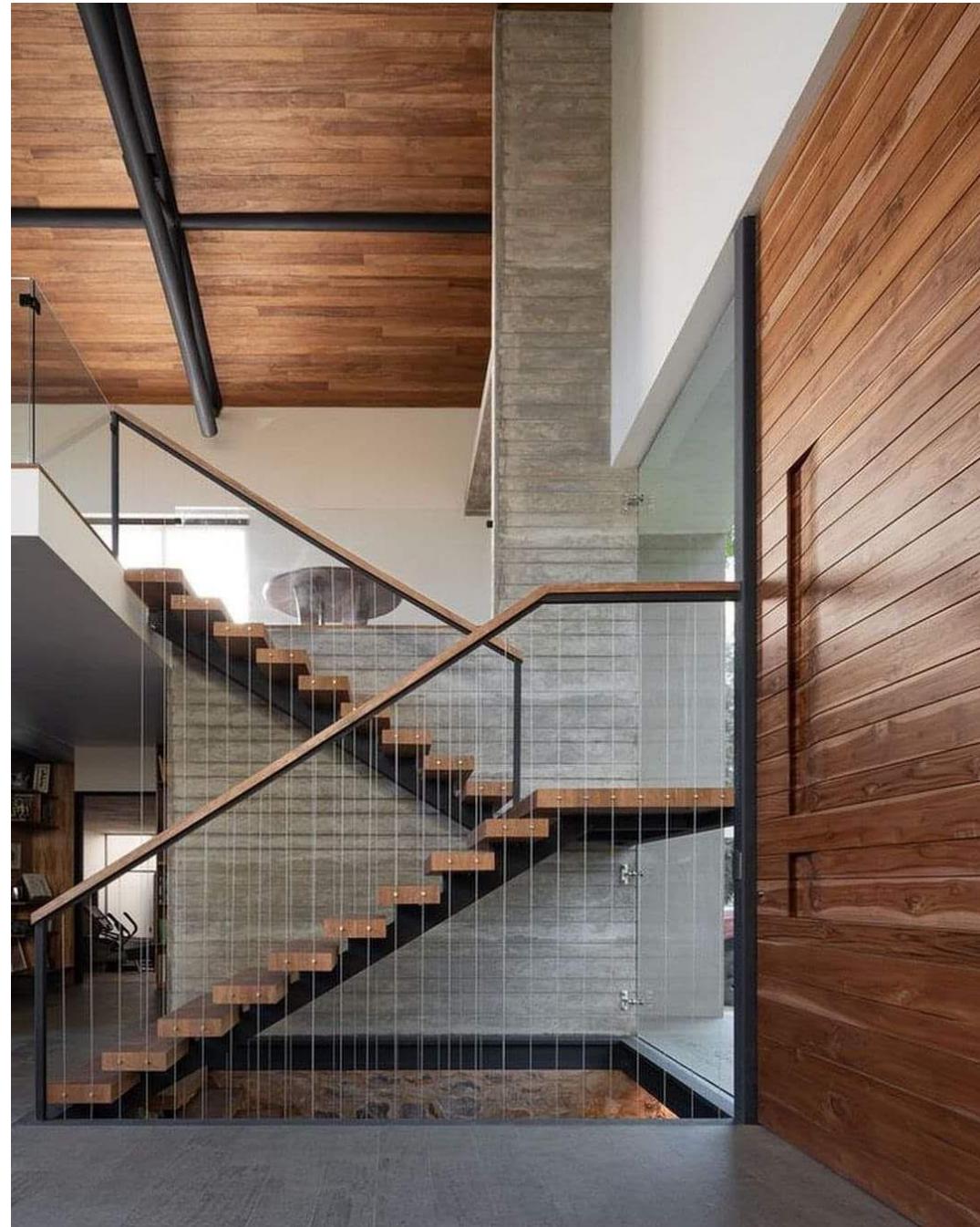


PLANTA



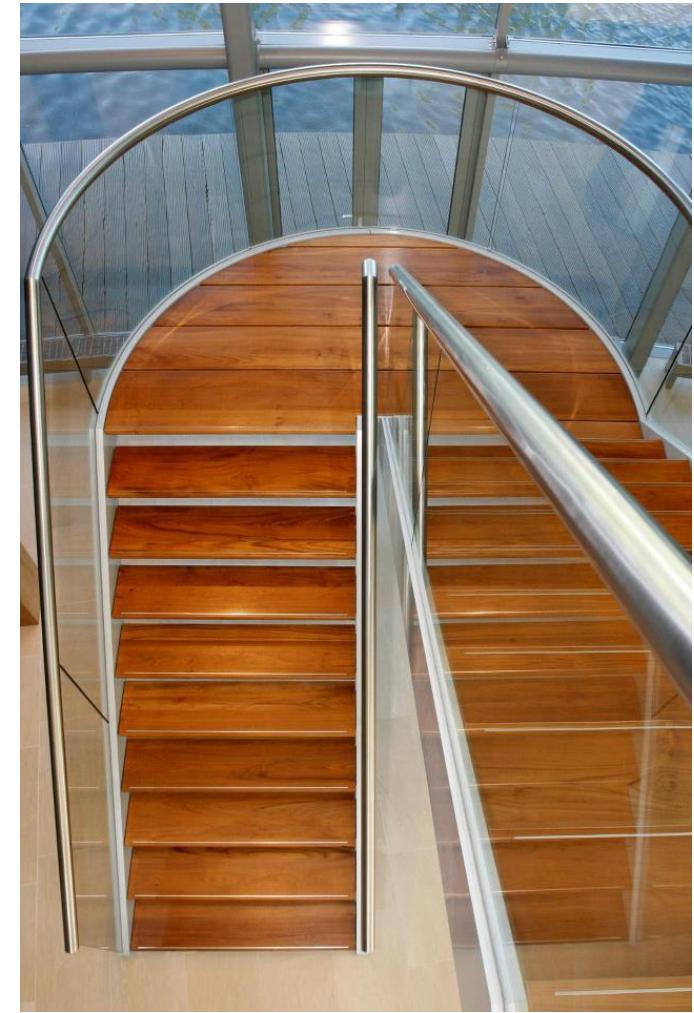


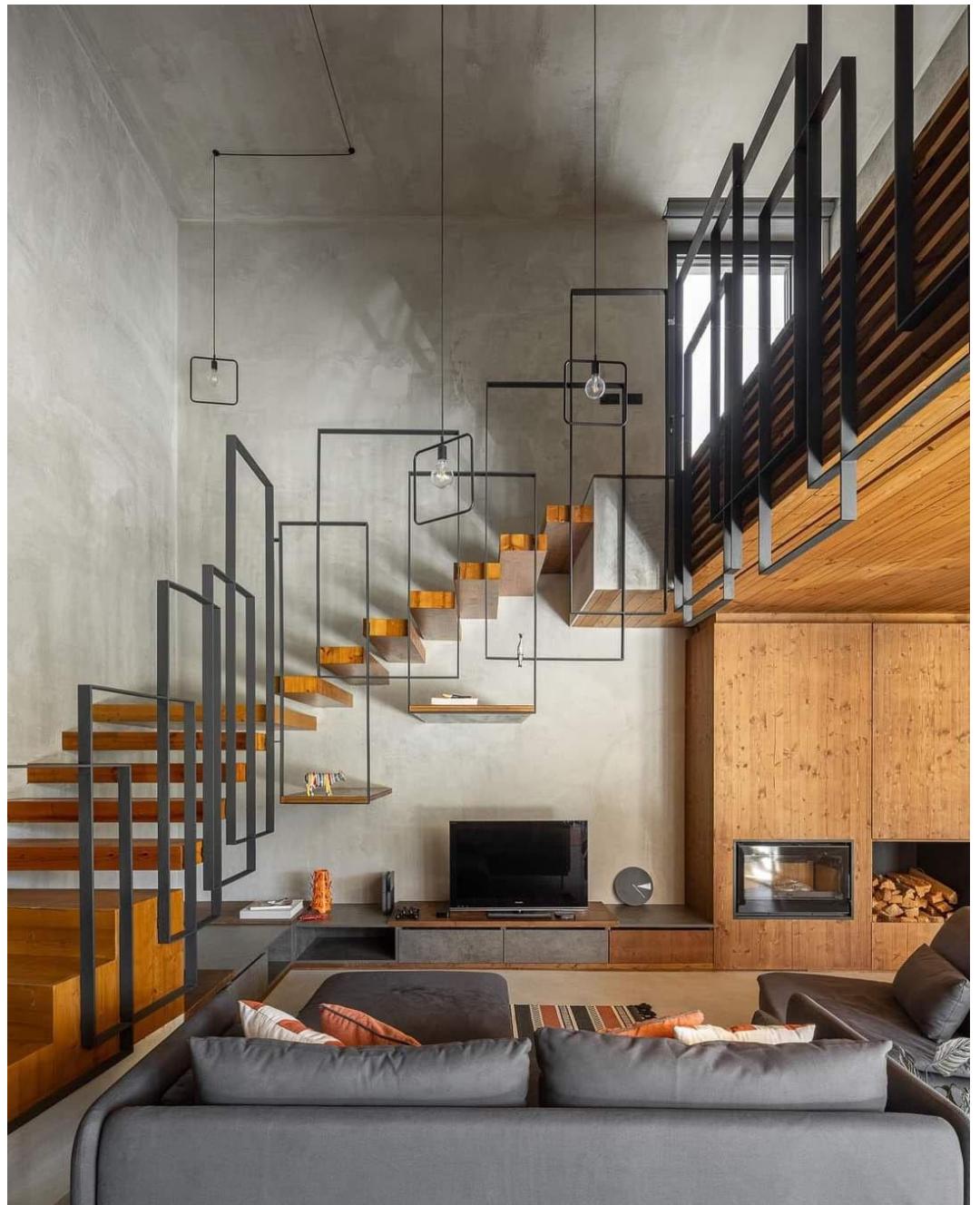










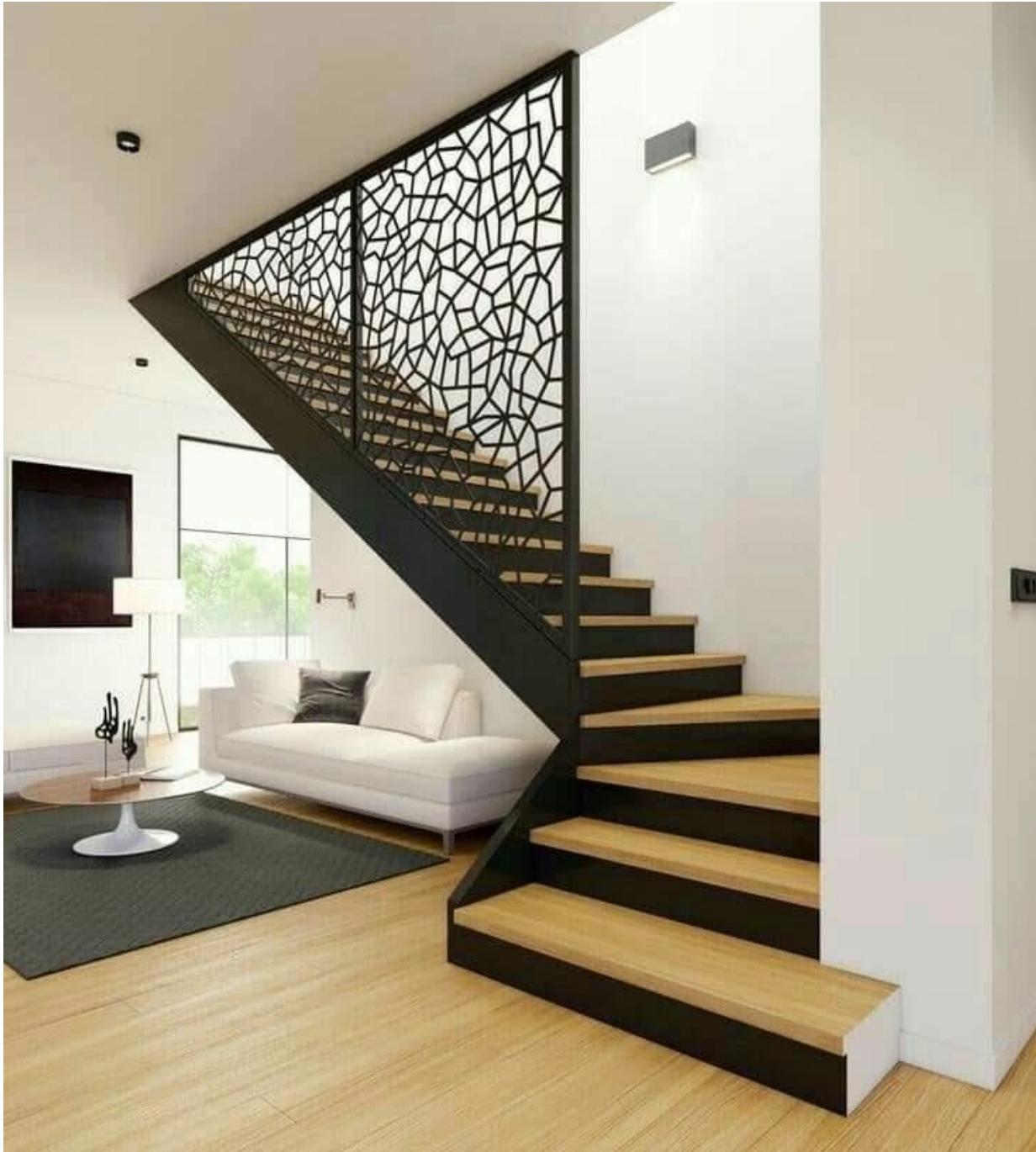




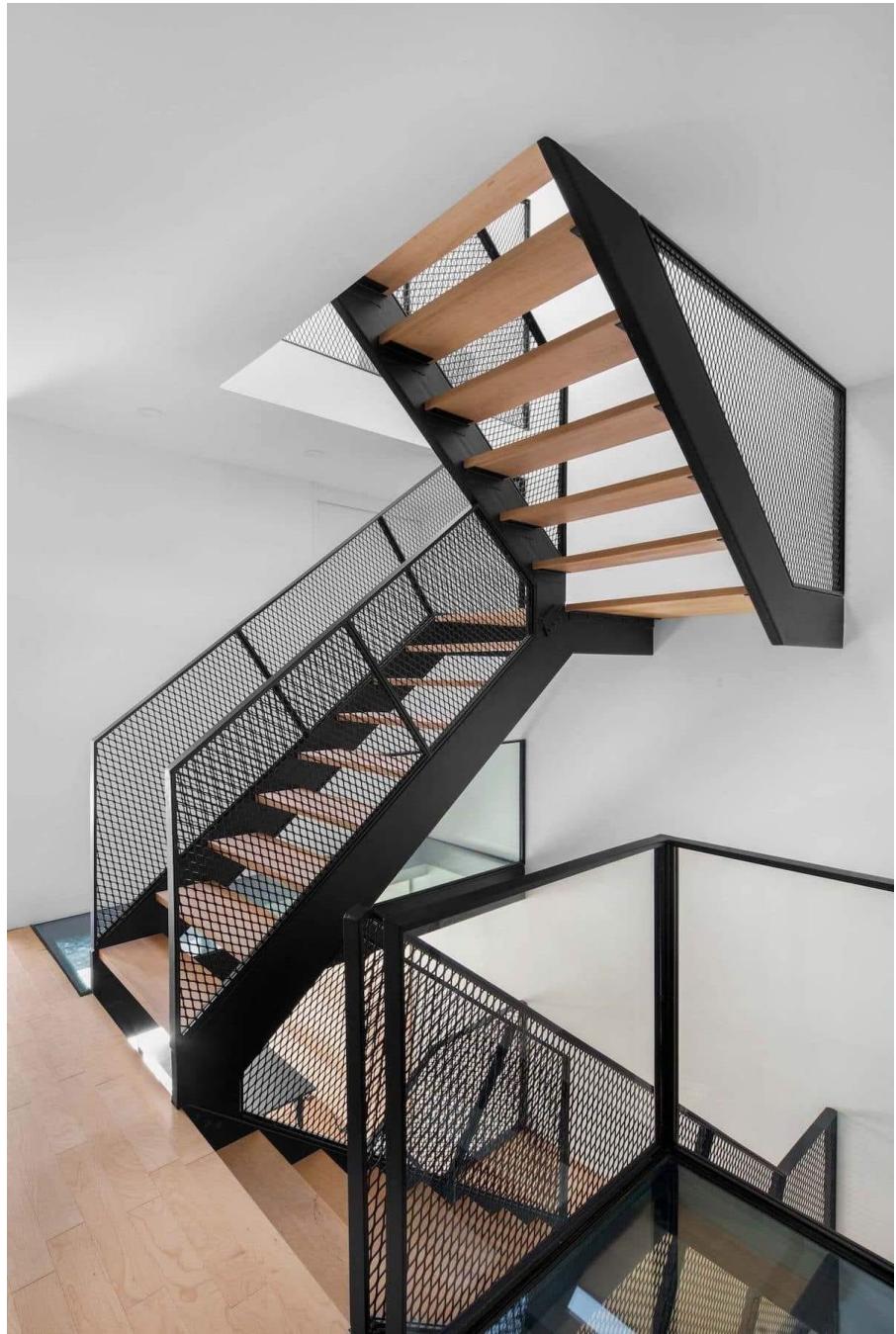


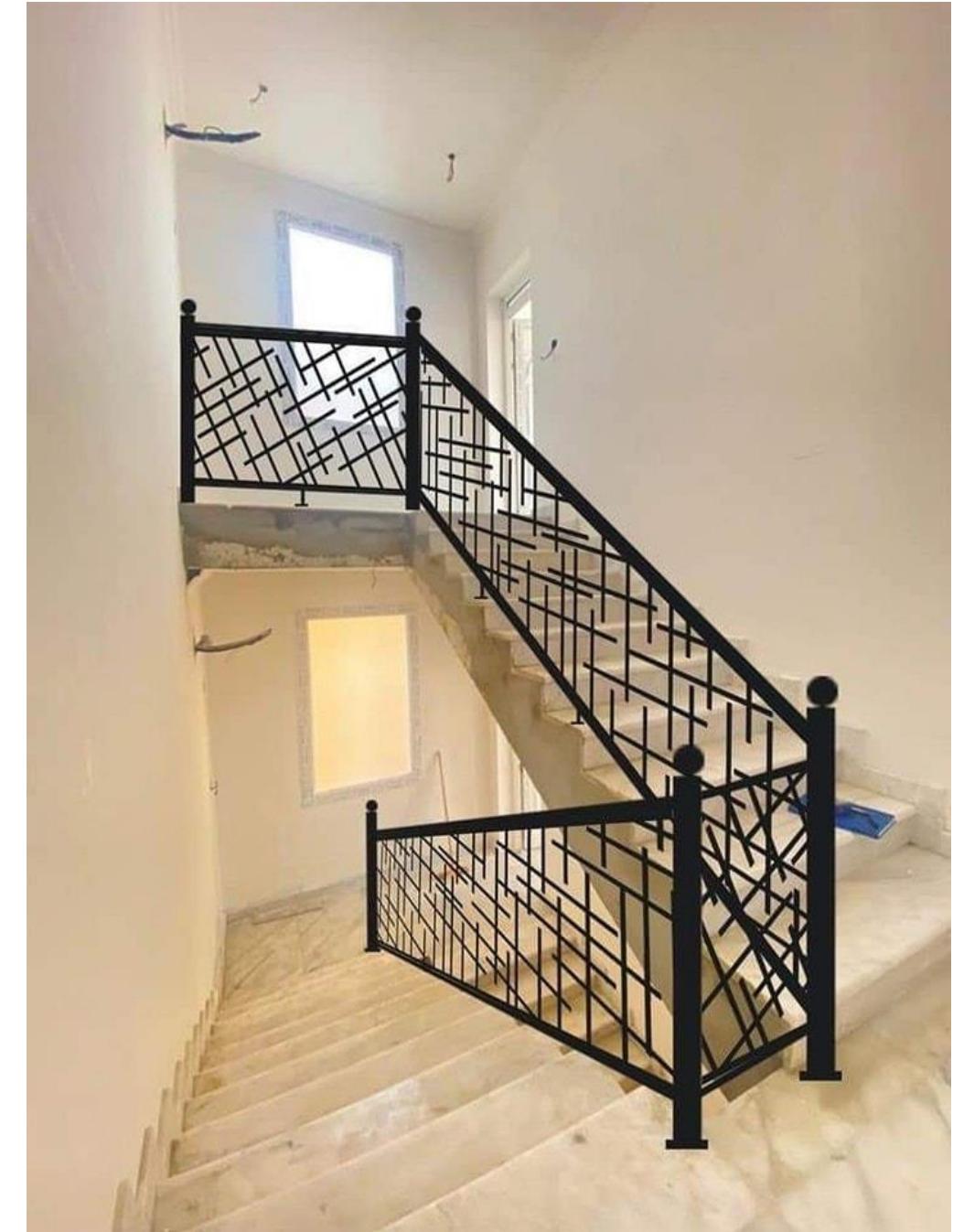
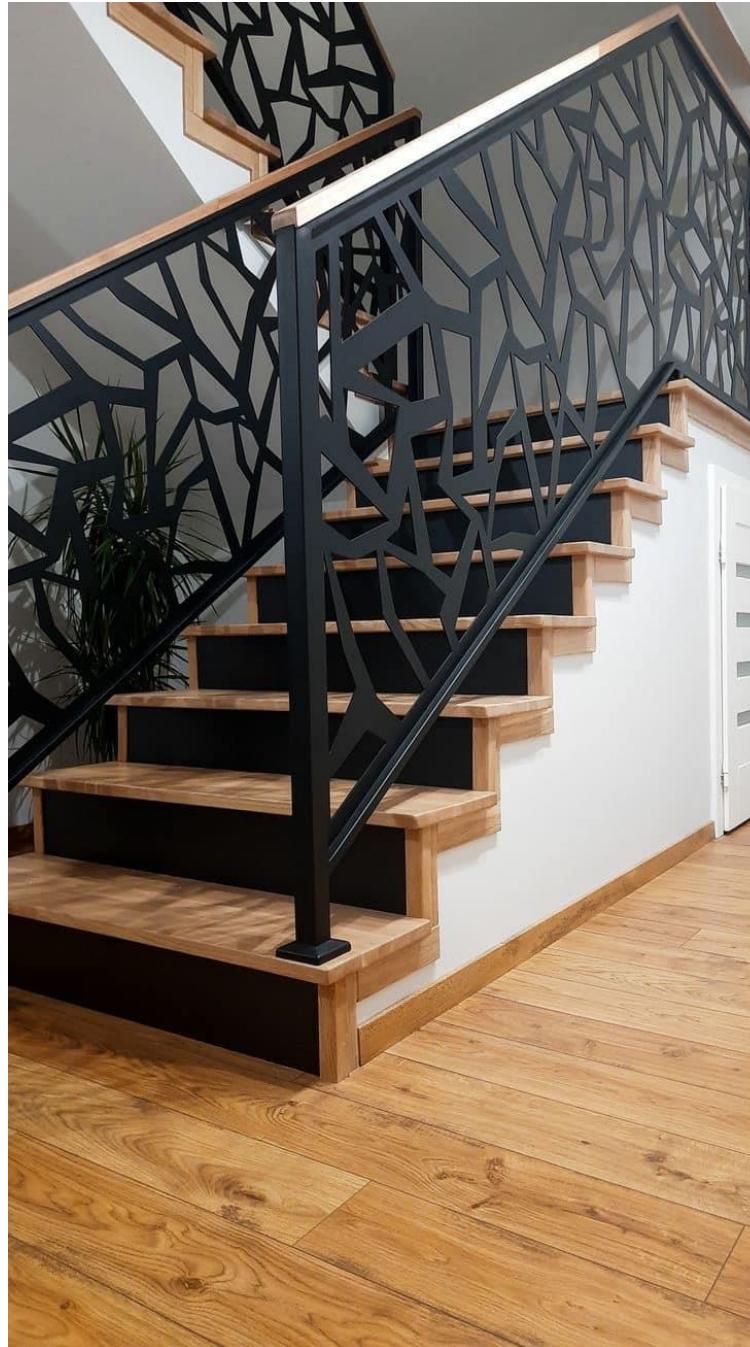




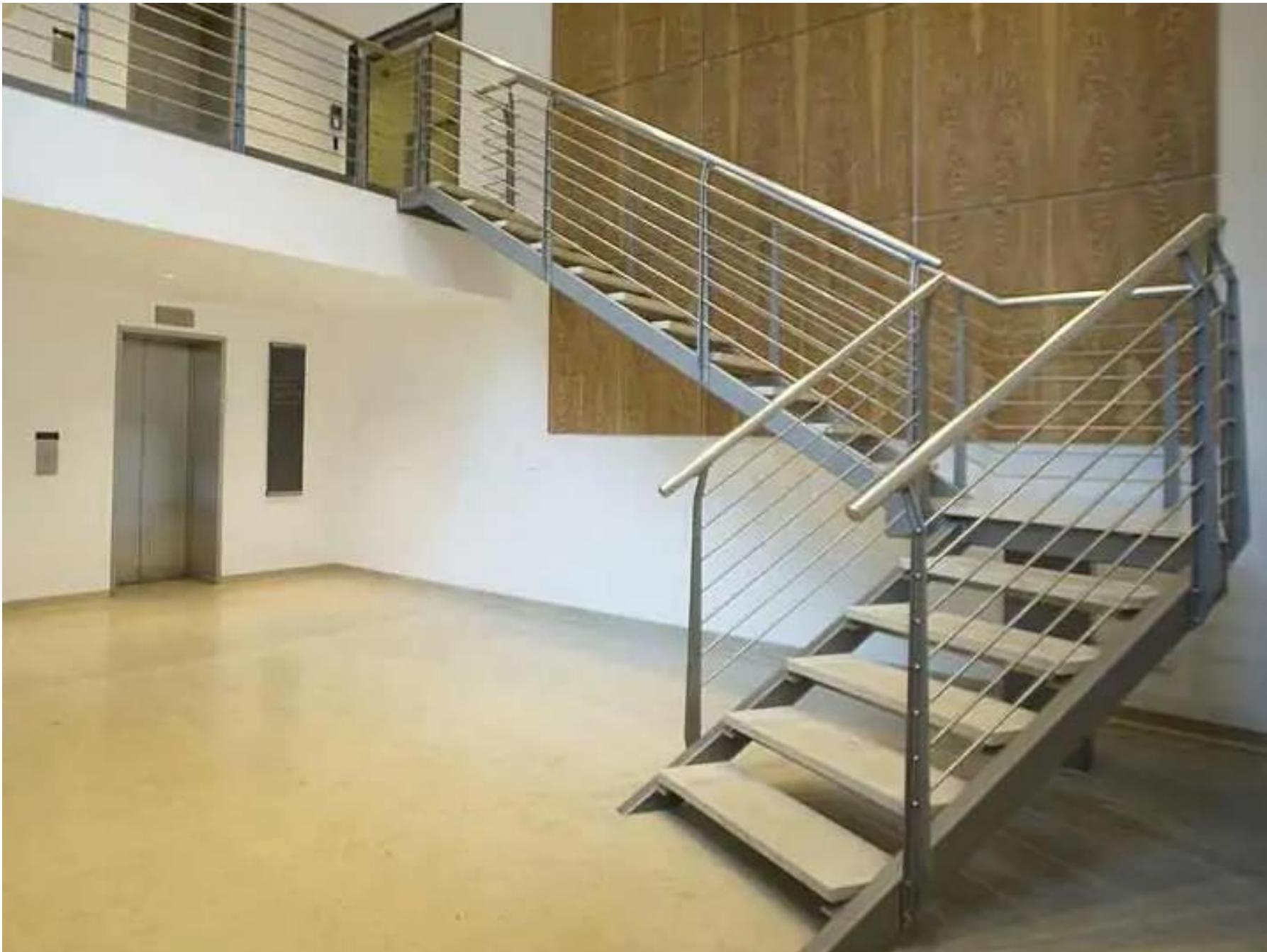




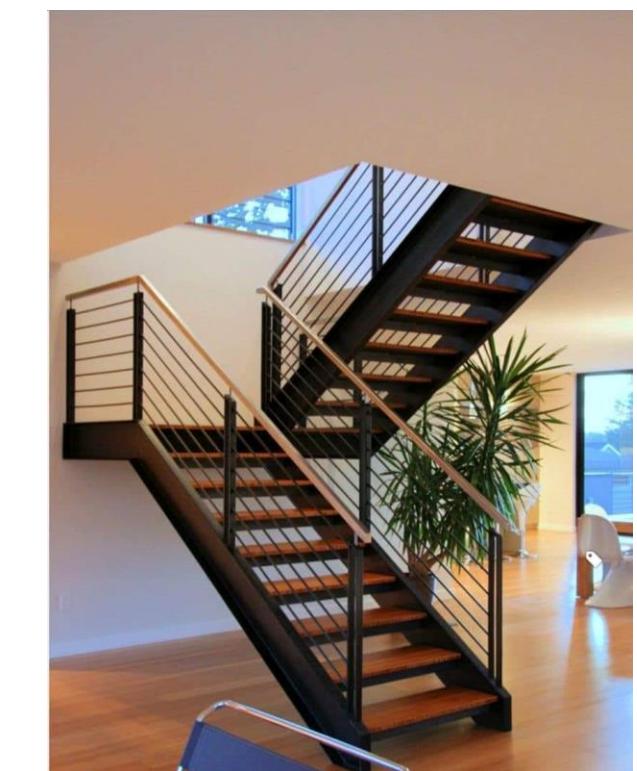


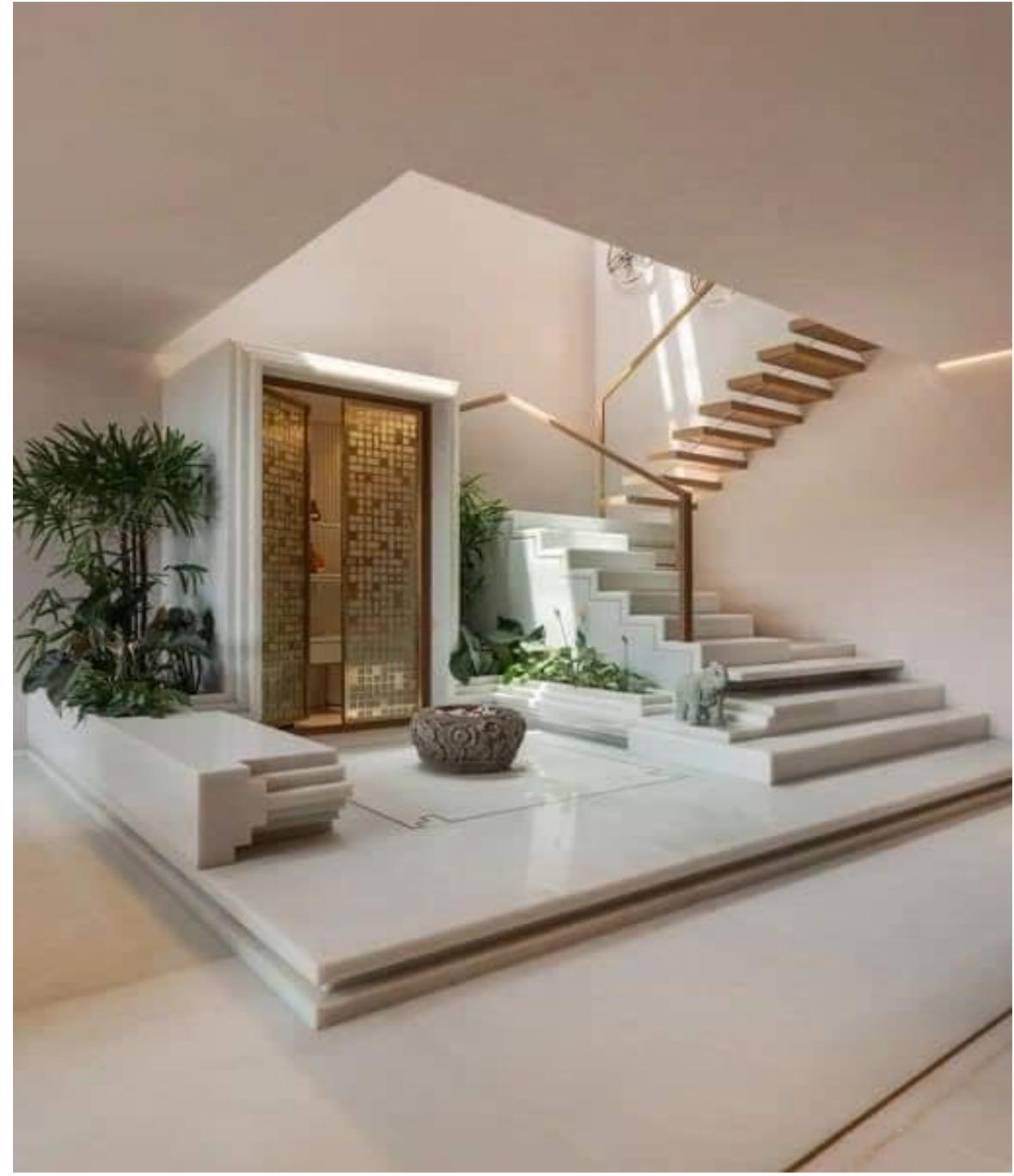




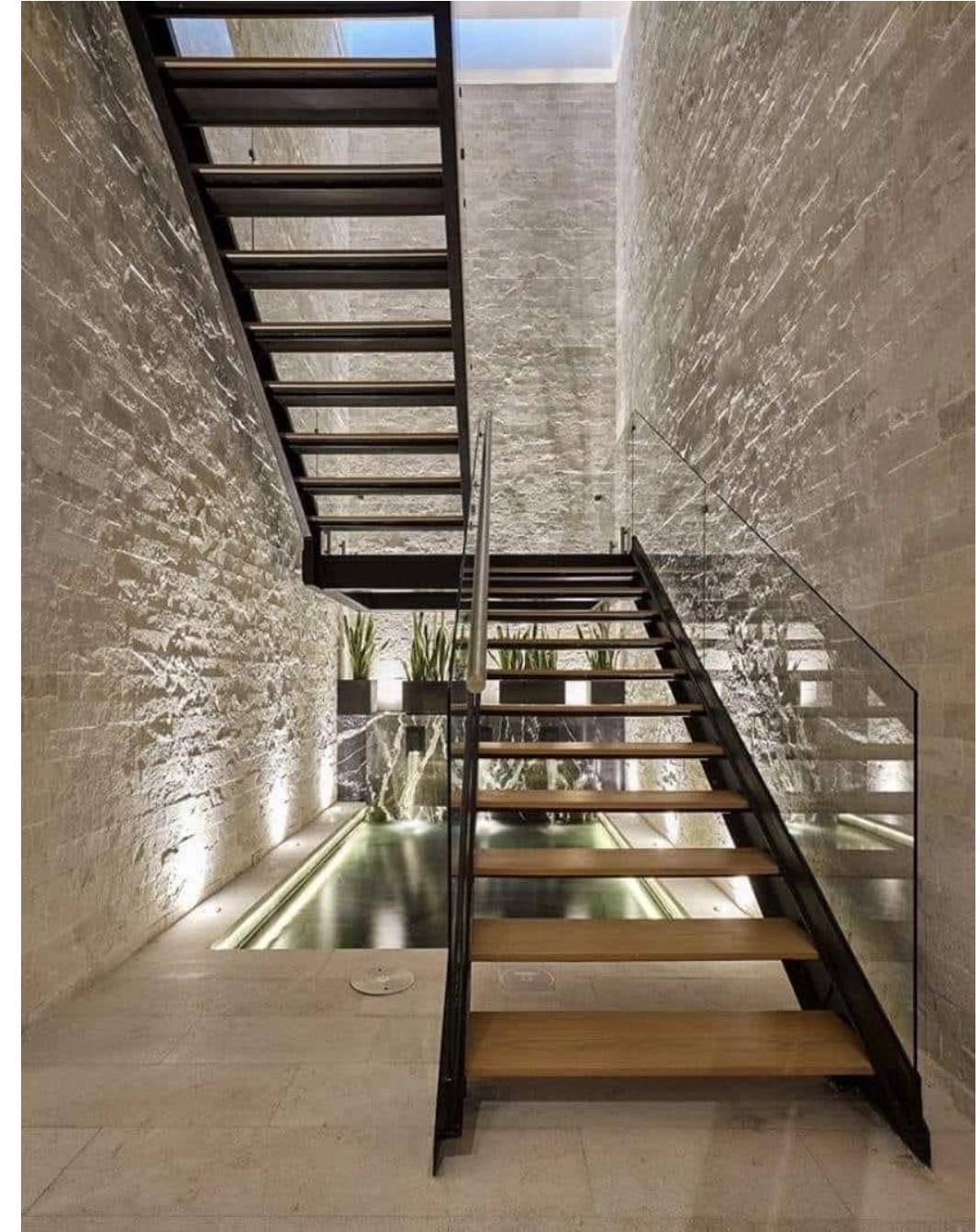


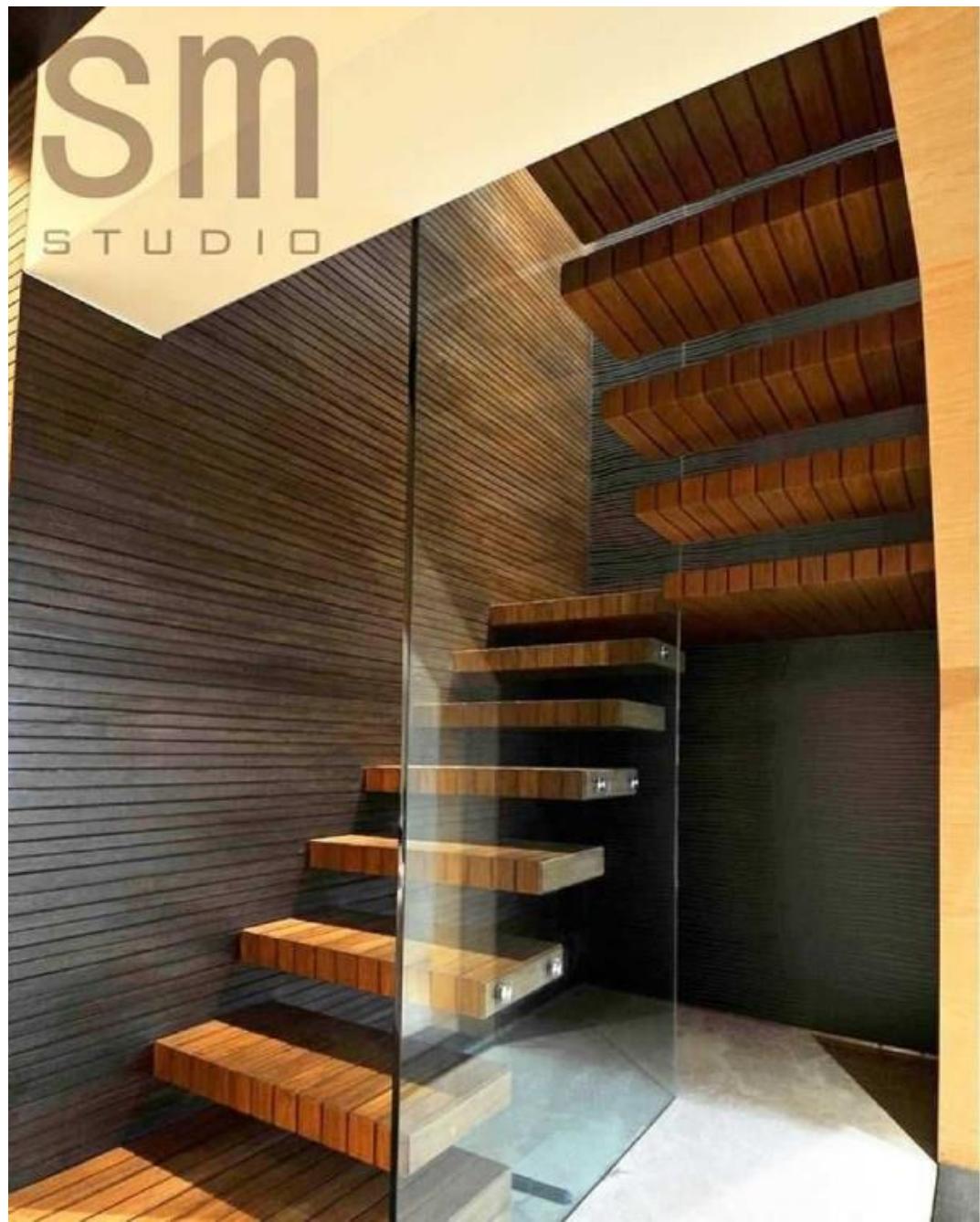






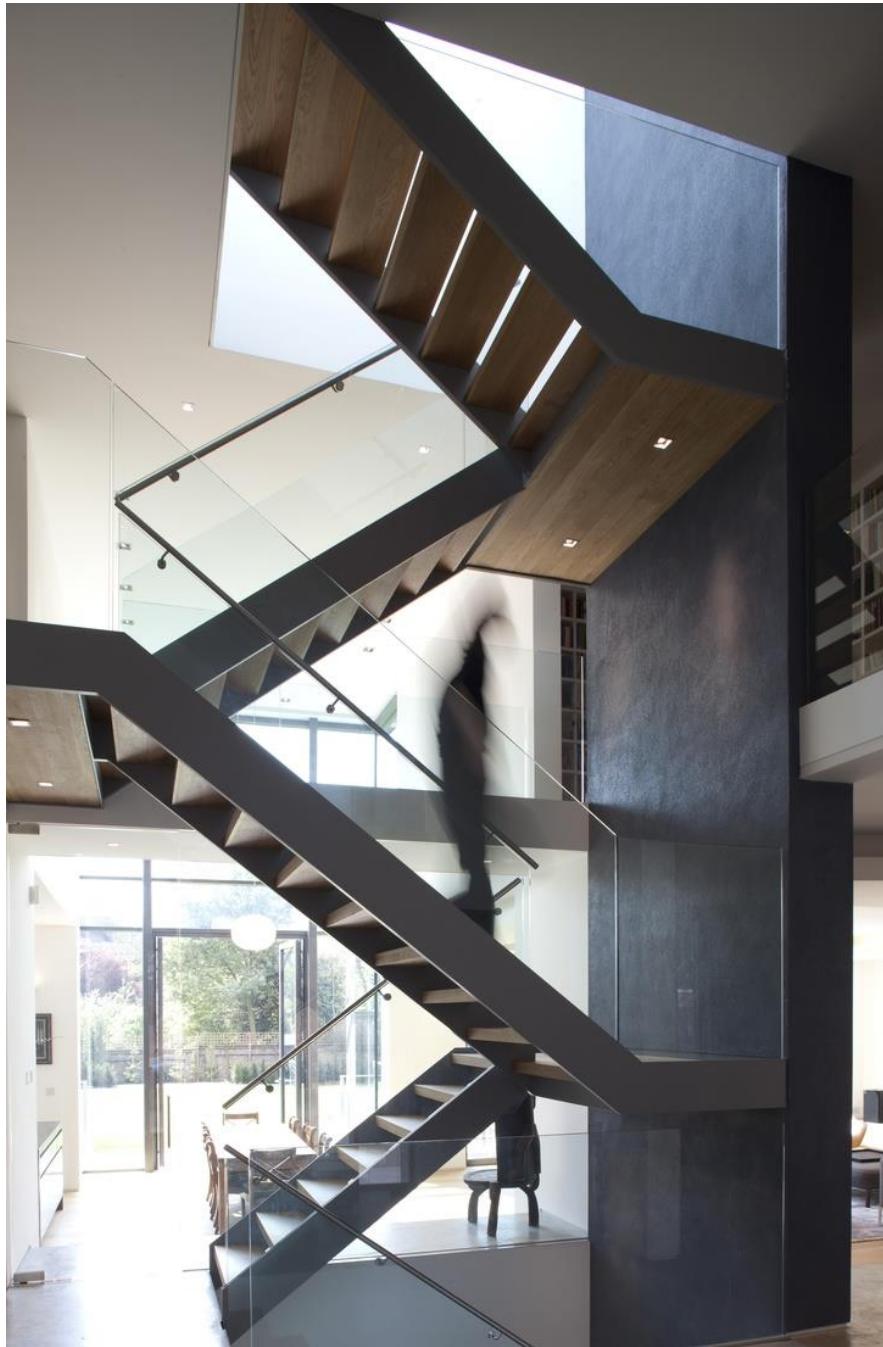






sm
STUDIO

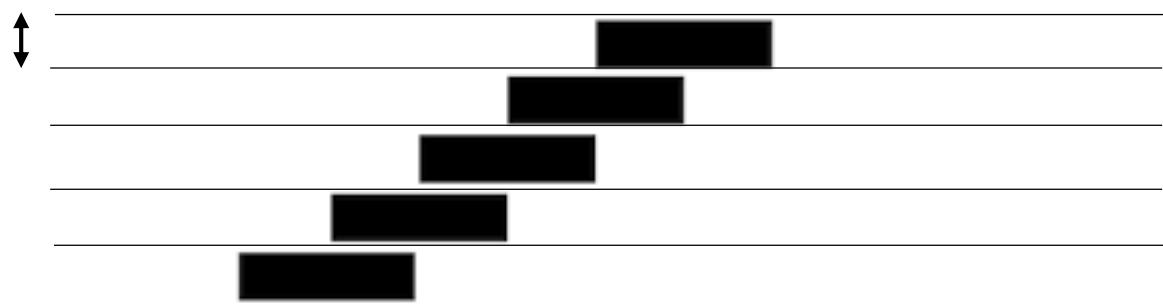




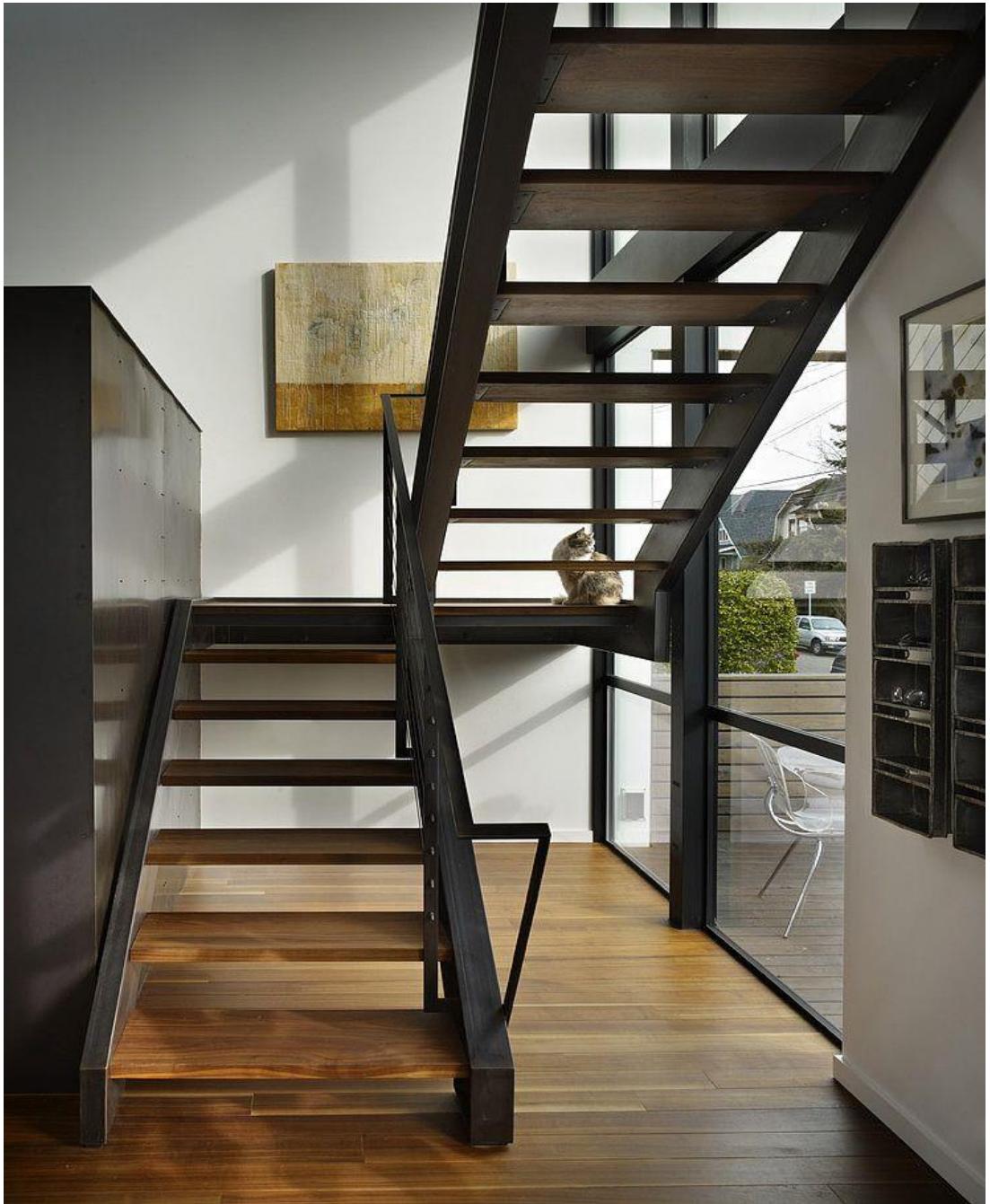


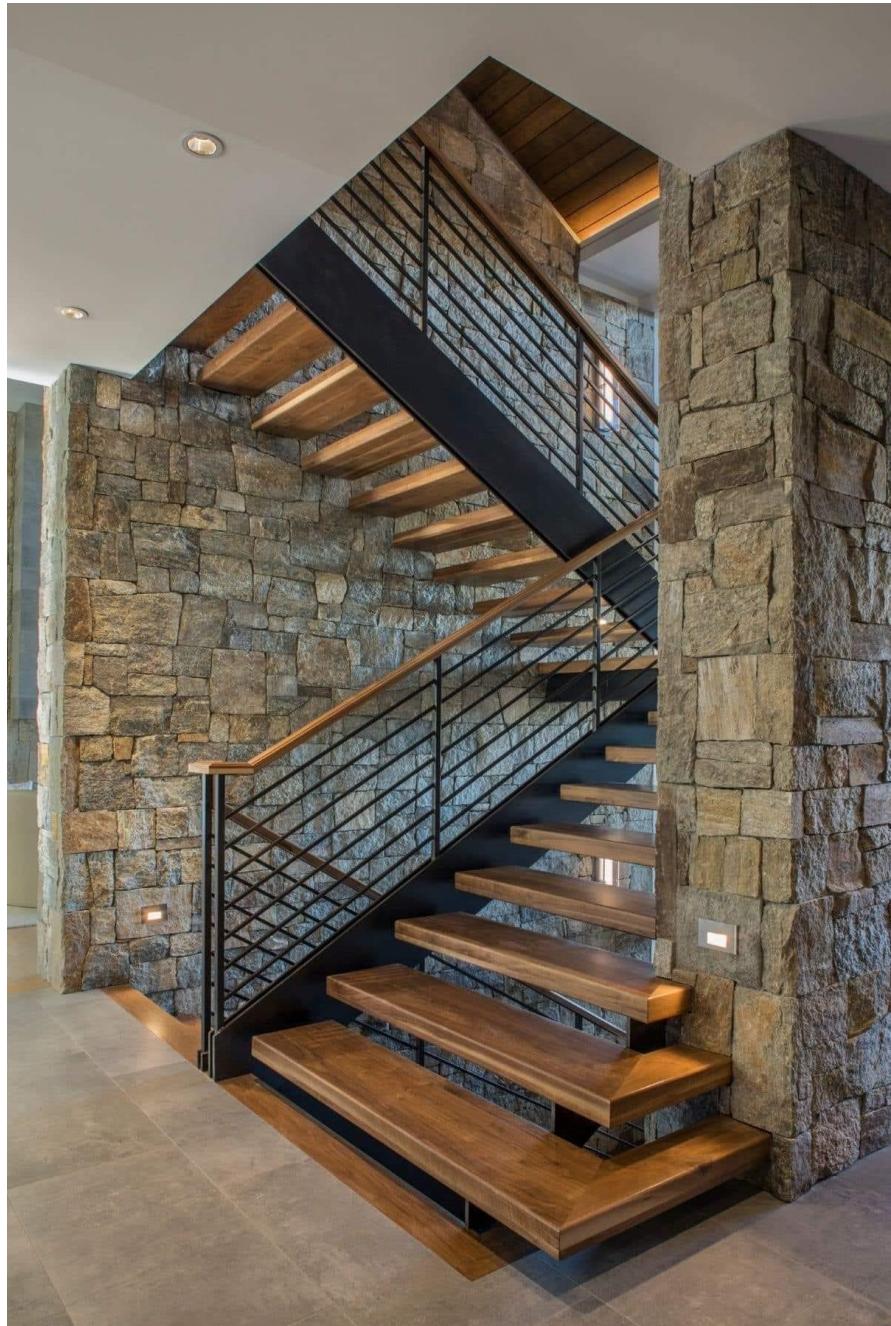
EN ESTE EJEMPLO LA SEPARACIÓN
DE LOS TRAVESAÑOS DE LA REJA DE
APOYO COINCIDE CON LA ALTURA
DE LA CONTRA-HUELLA

LA ALTURA ES LA CONTRA-HUELLA
0.17 m

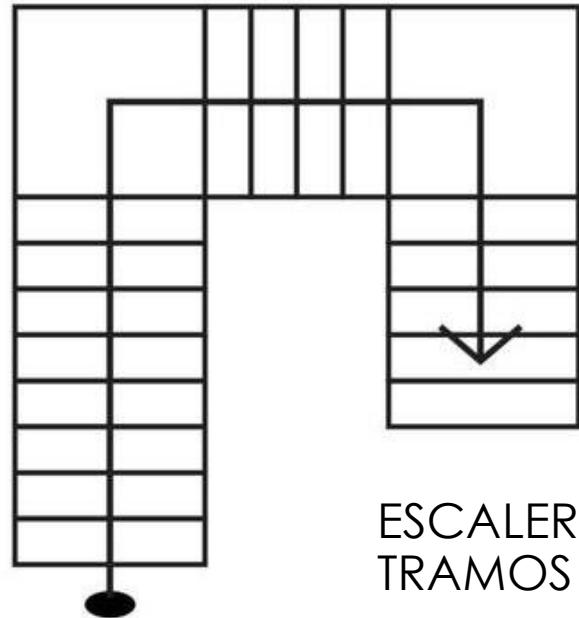


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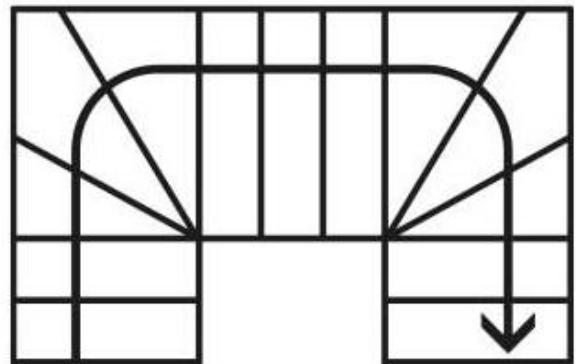




DE TRES TRAMOS

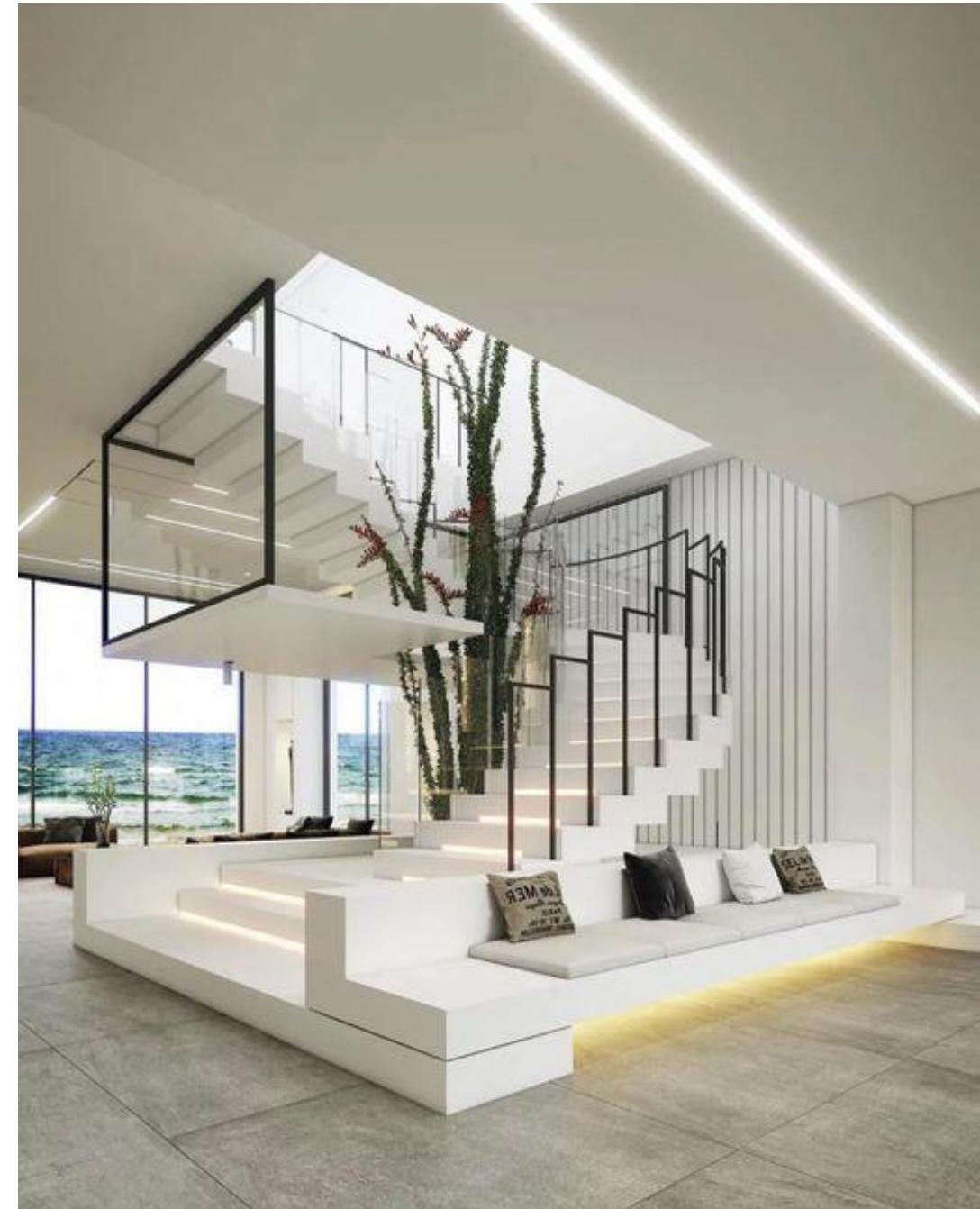


ESCALERA DE TRES
TRAMOS TRADICIONAL



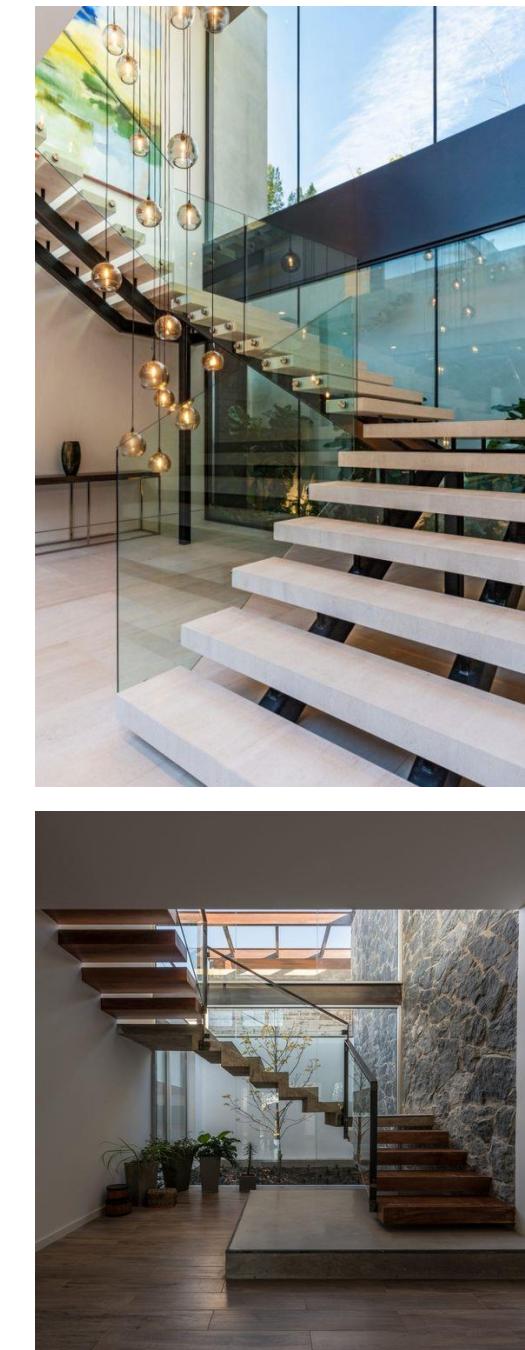
ESCALERA DE TRES
TRAMOS COMPENSADA

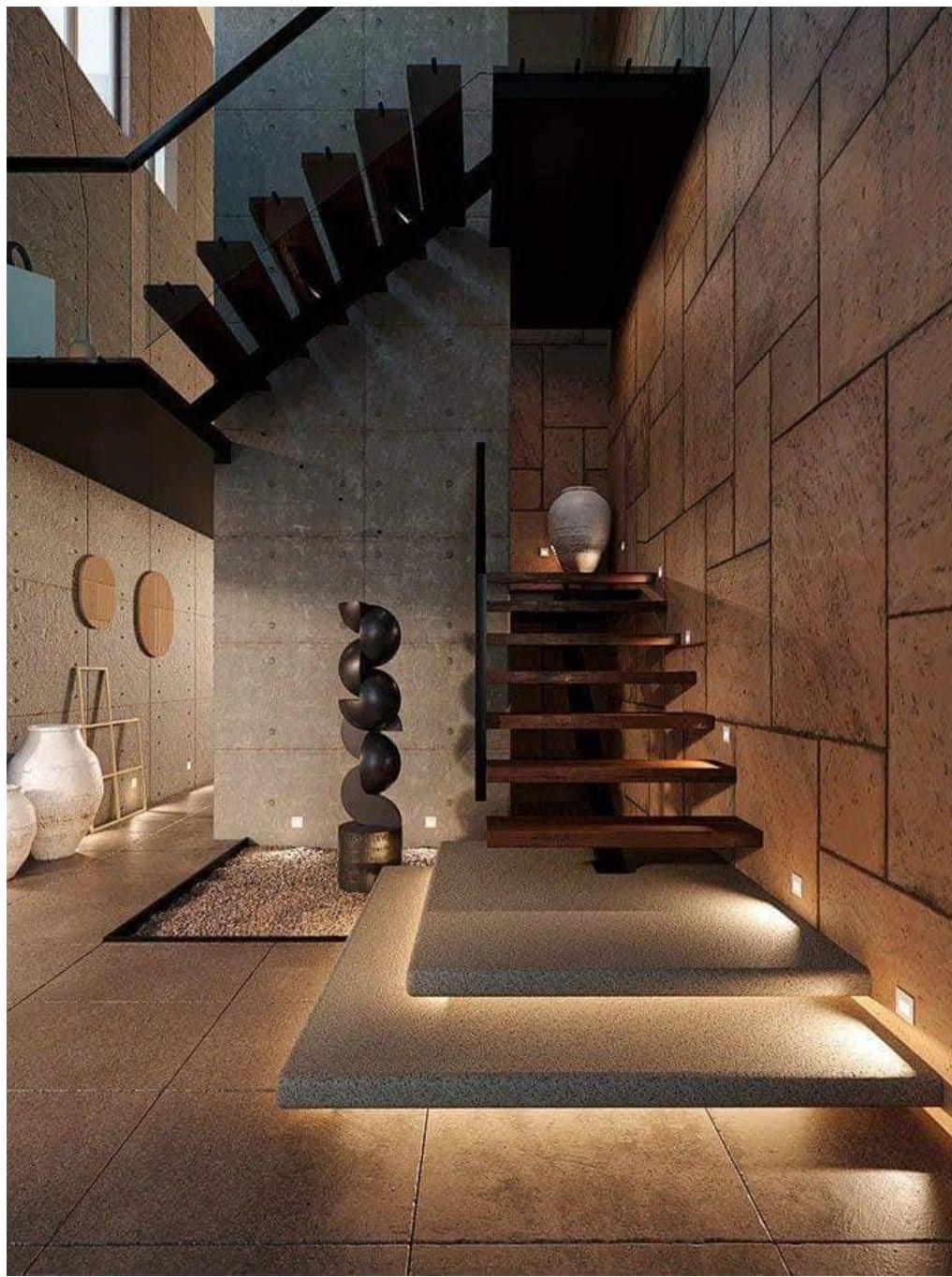


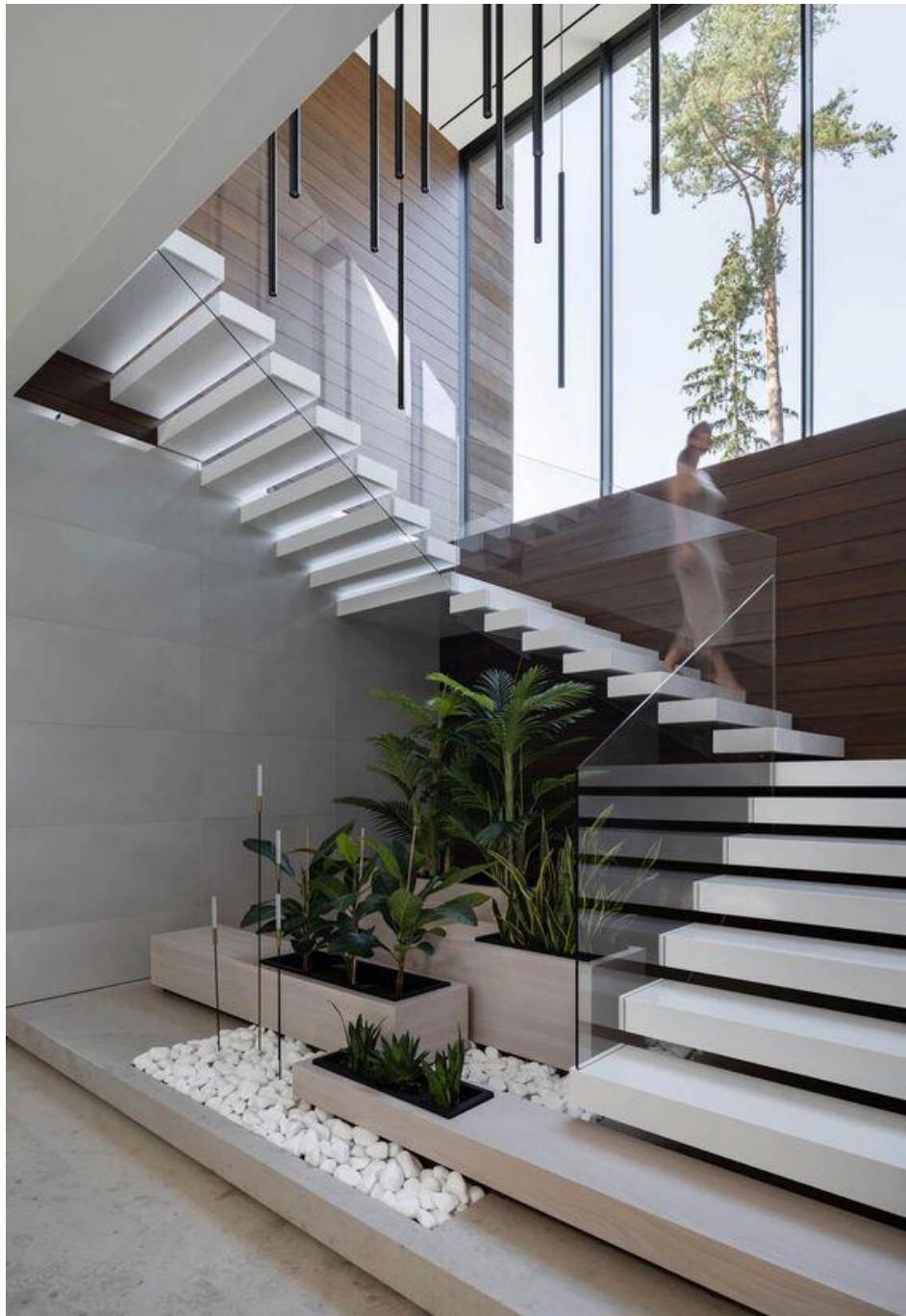






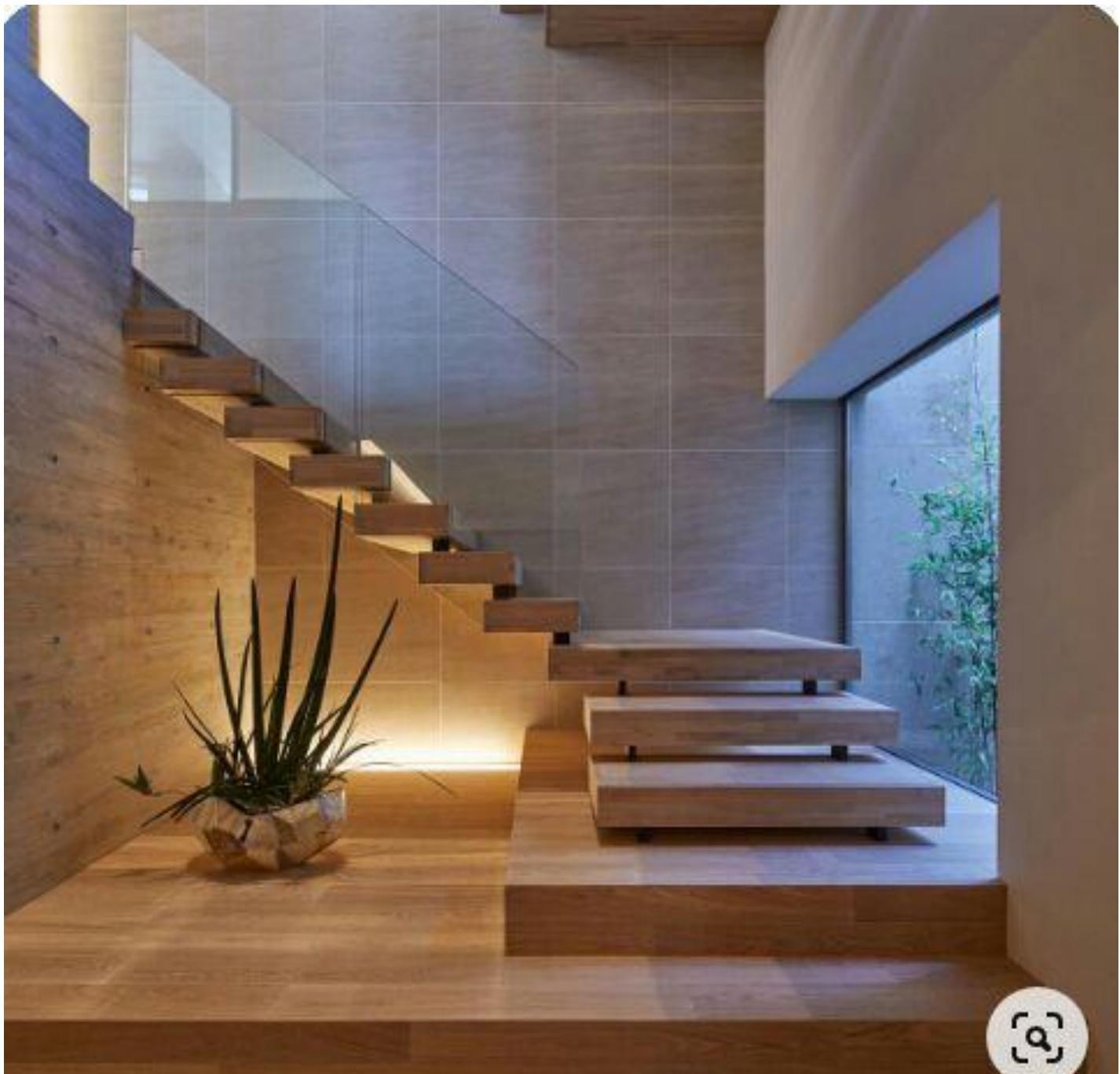
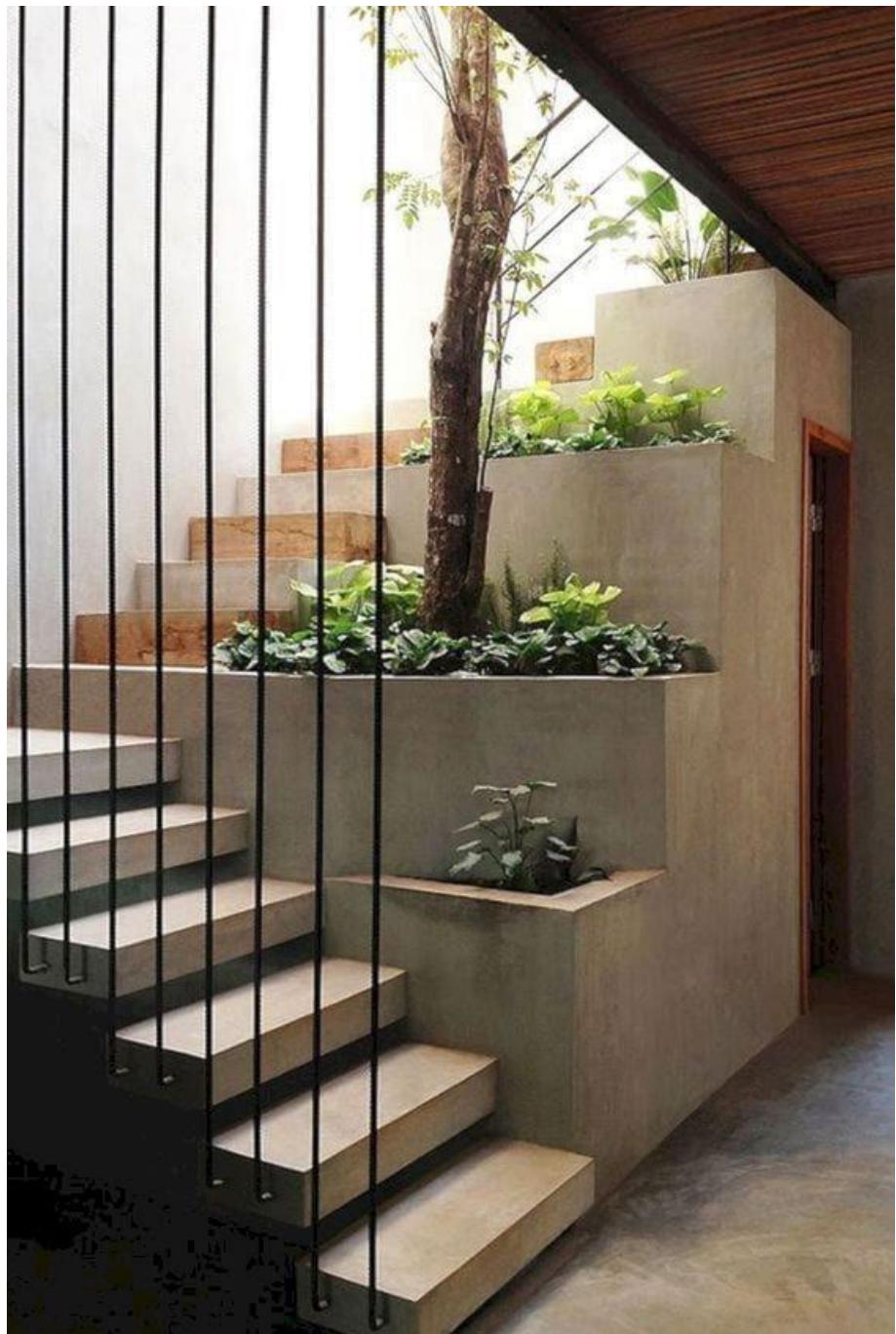


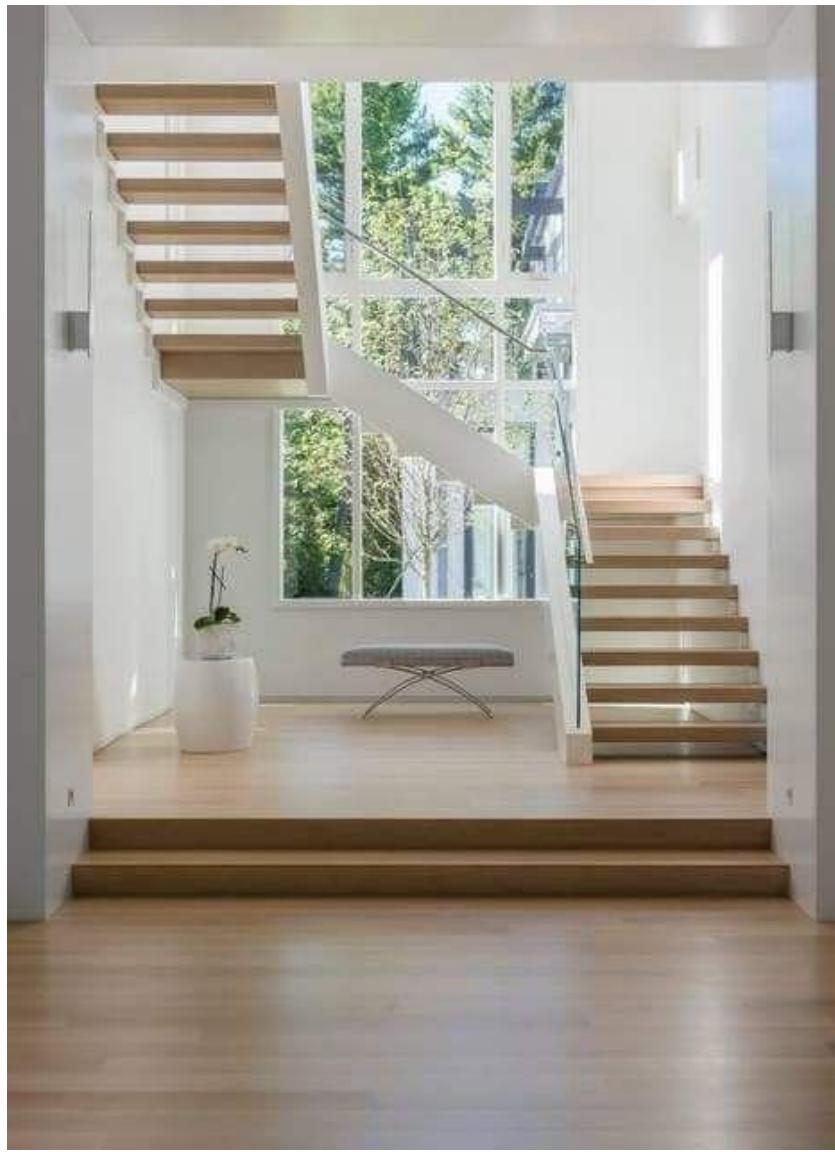




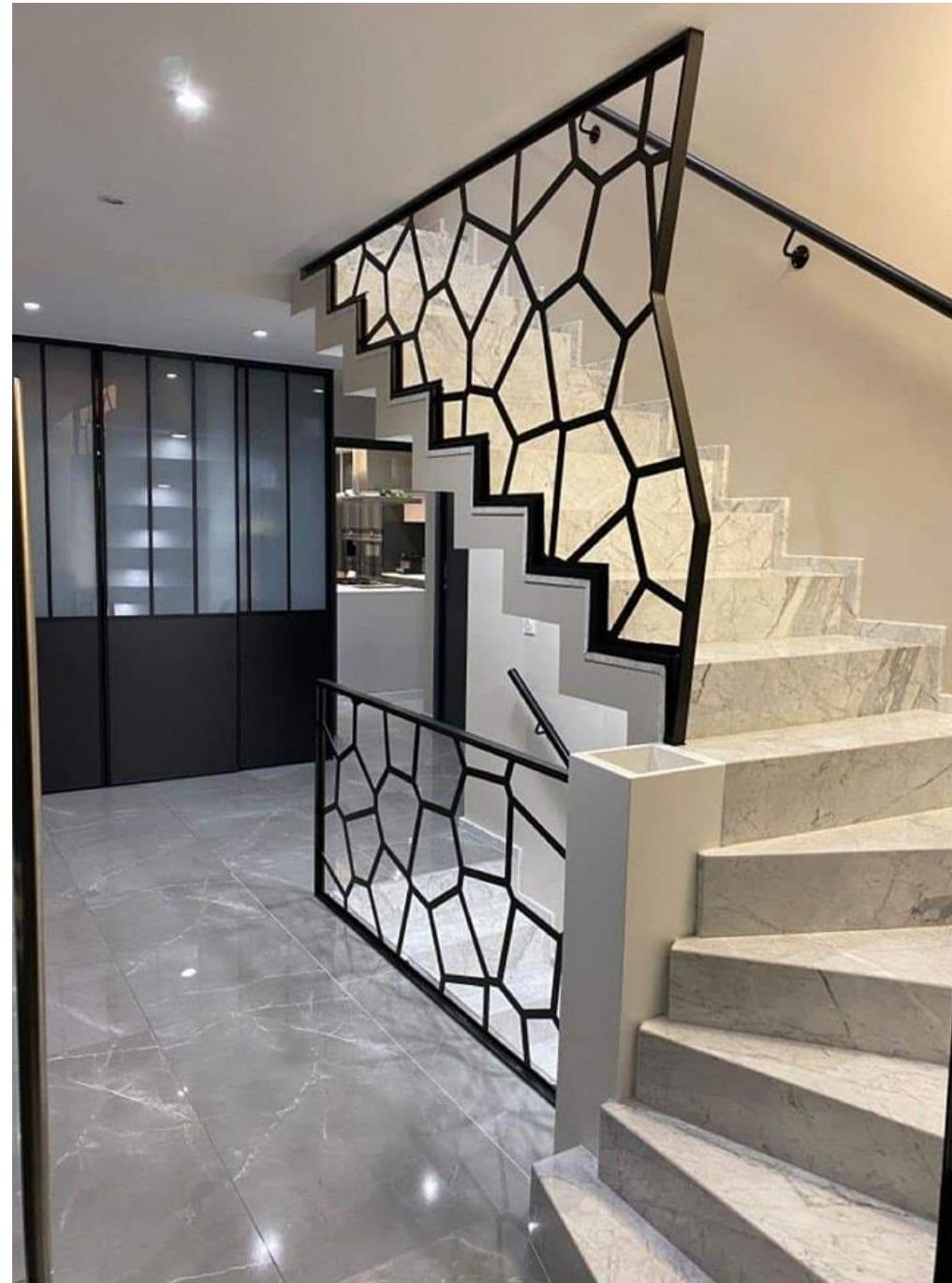
ESCALERA DE
CUATRO TRAMOS



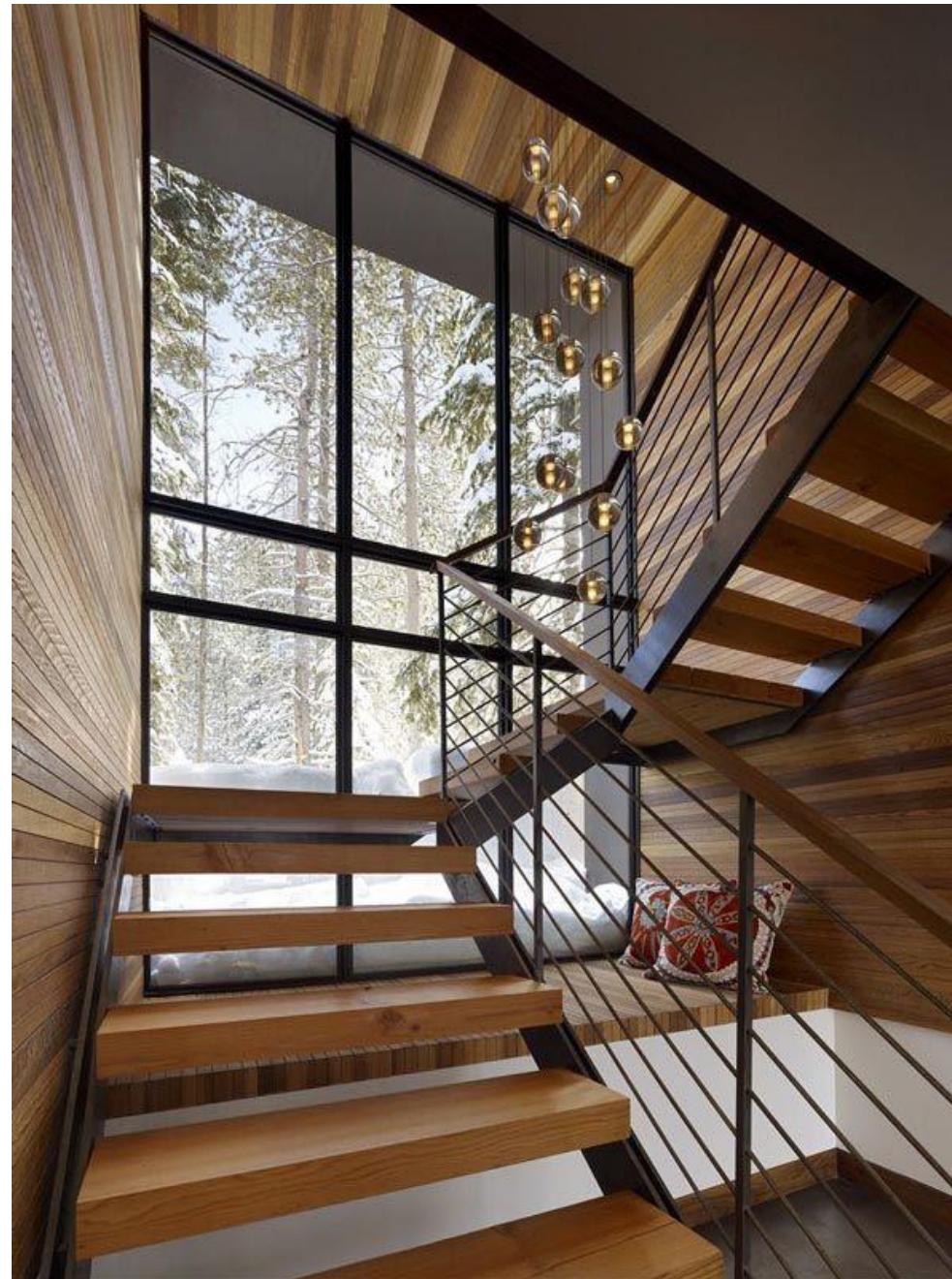












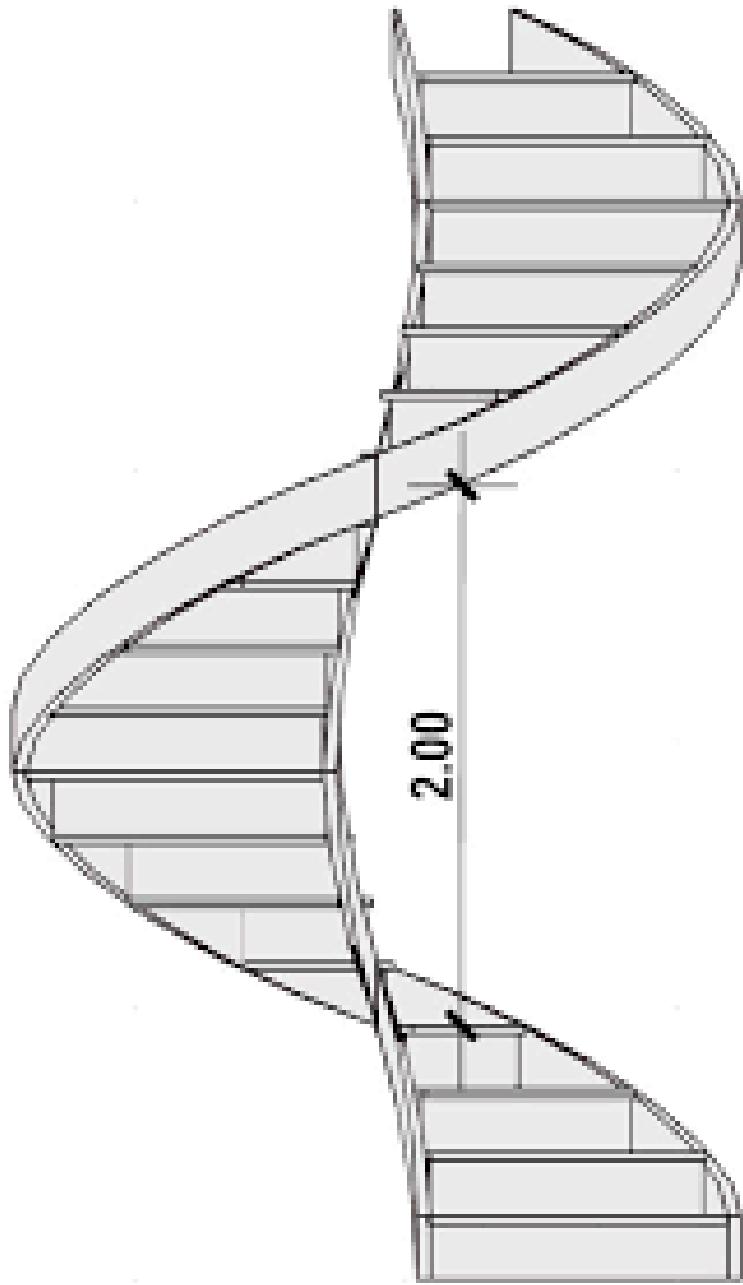
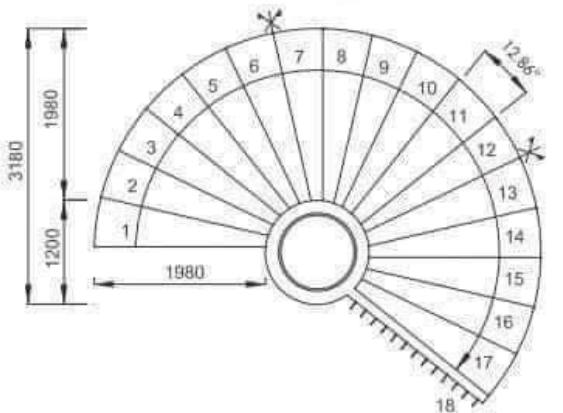
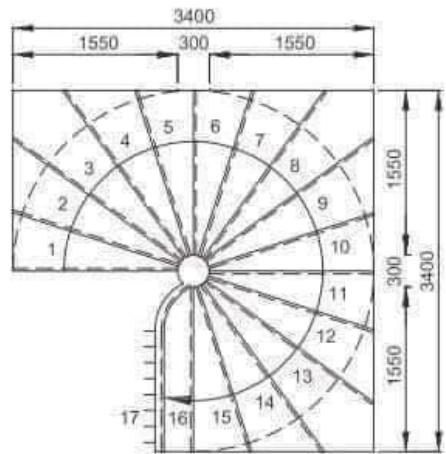
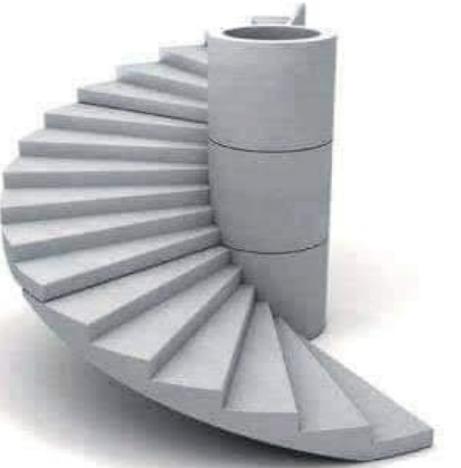
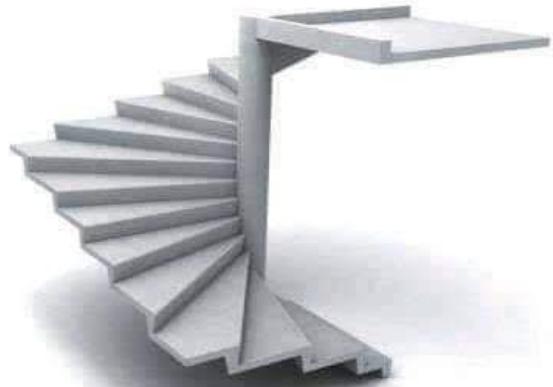




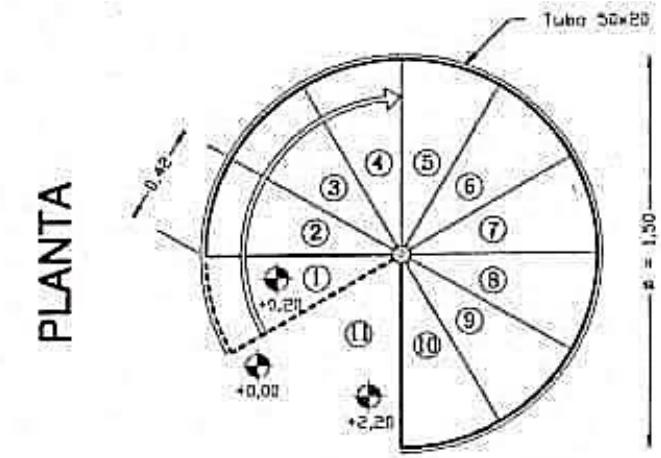




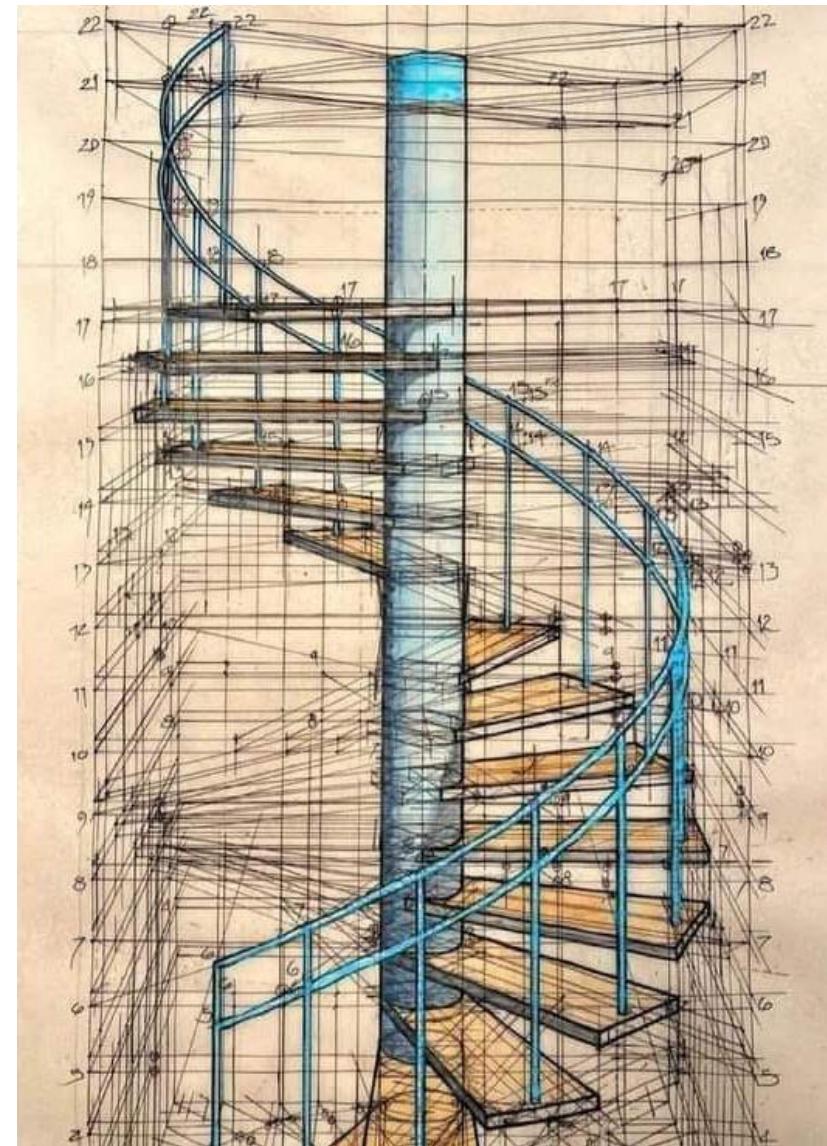
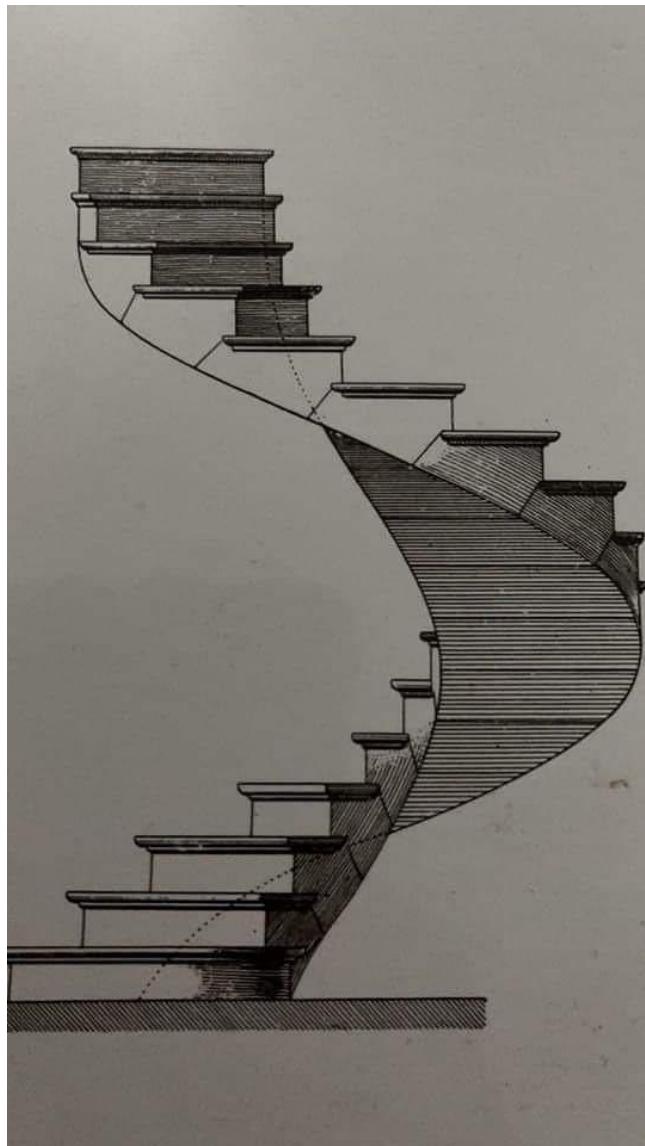
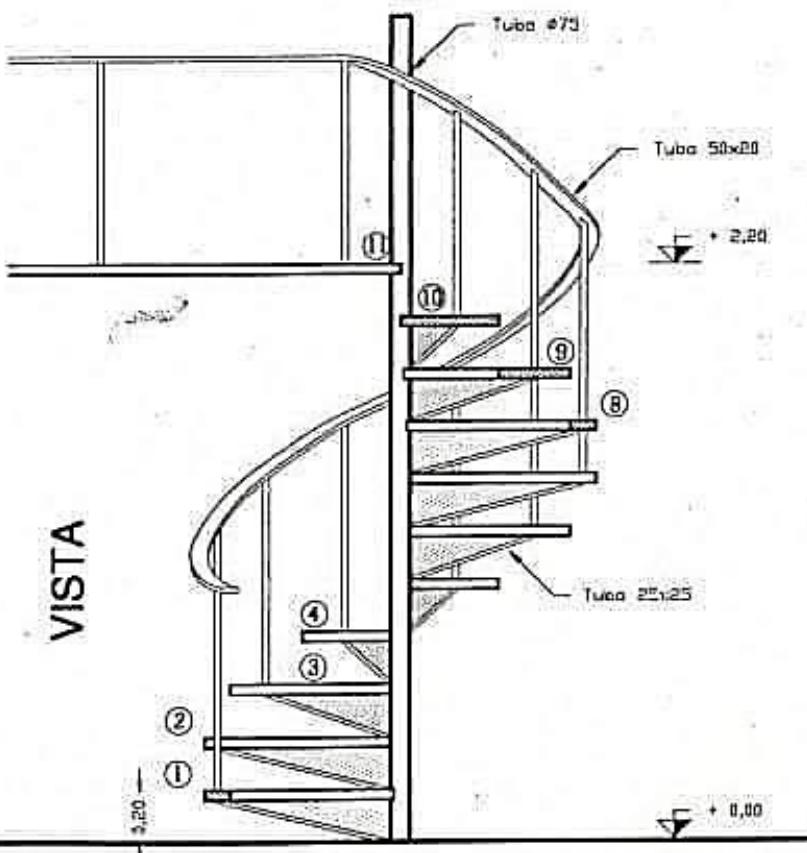
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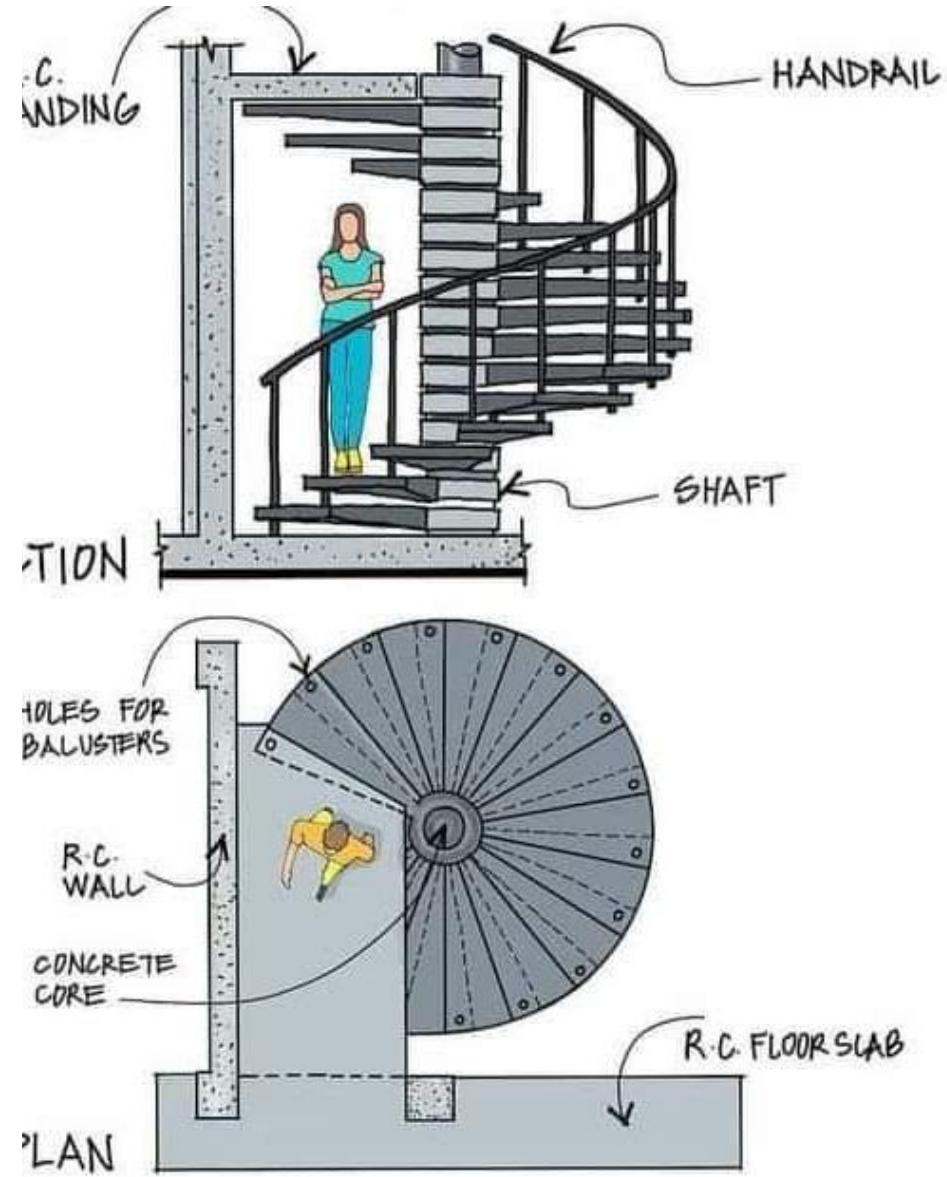
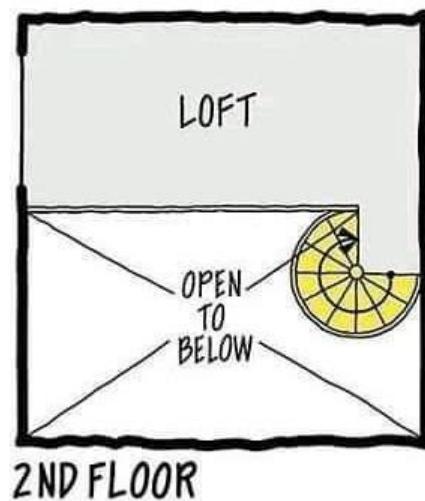
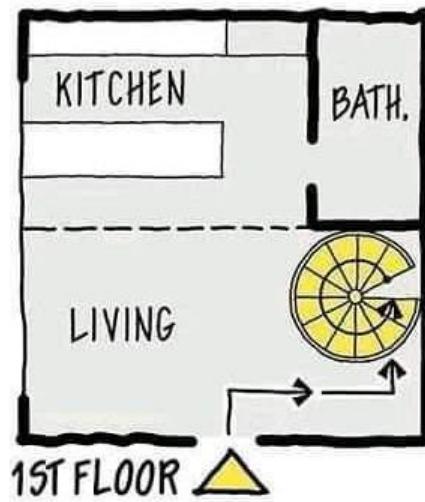
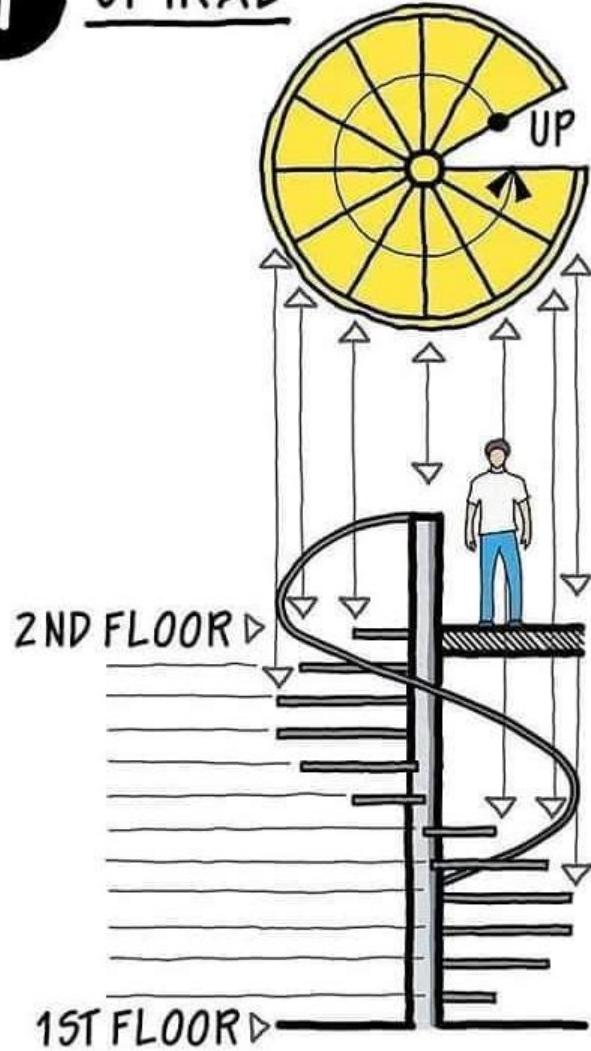


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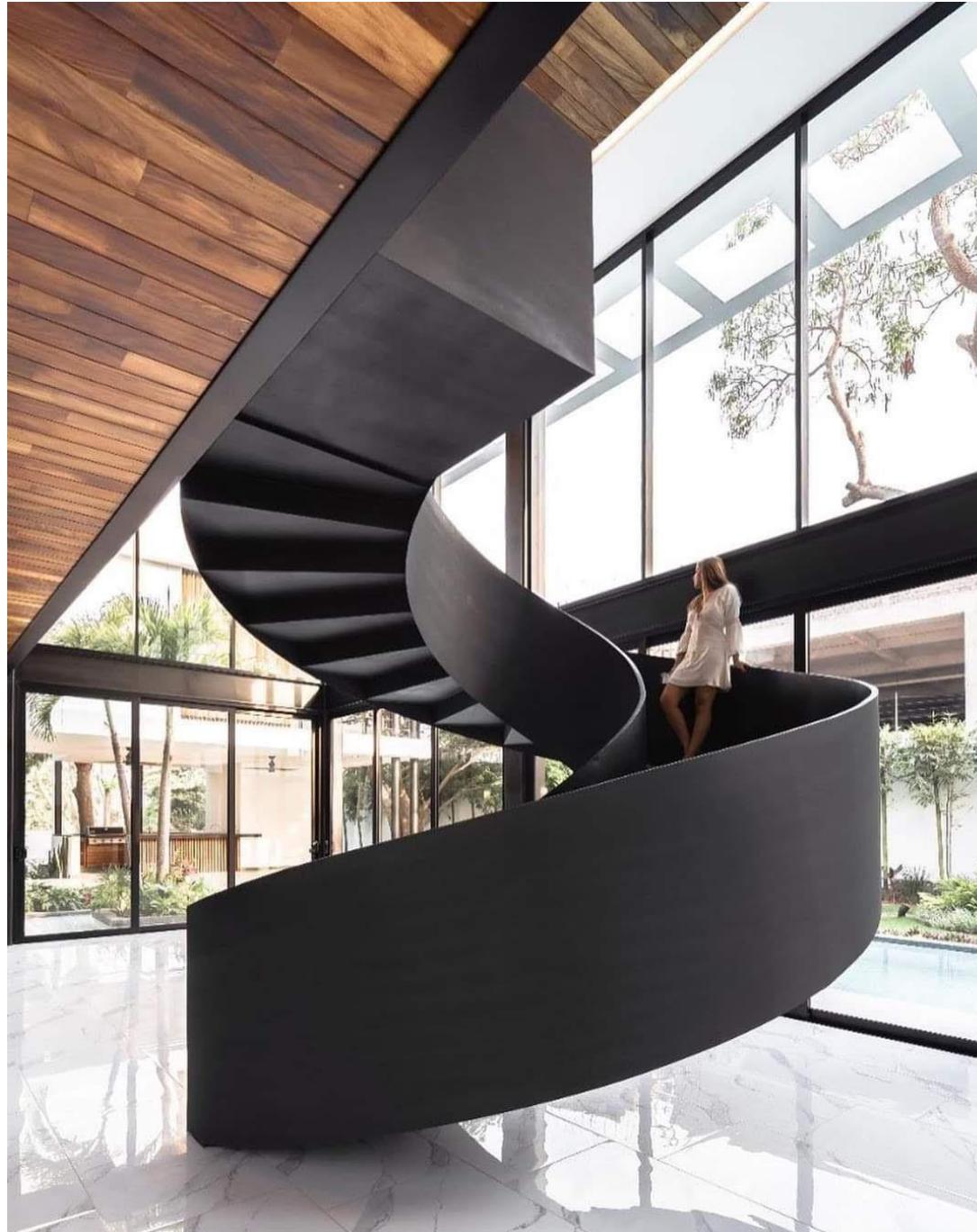


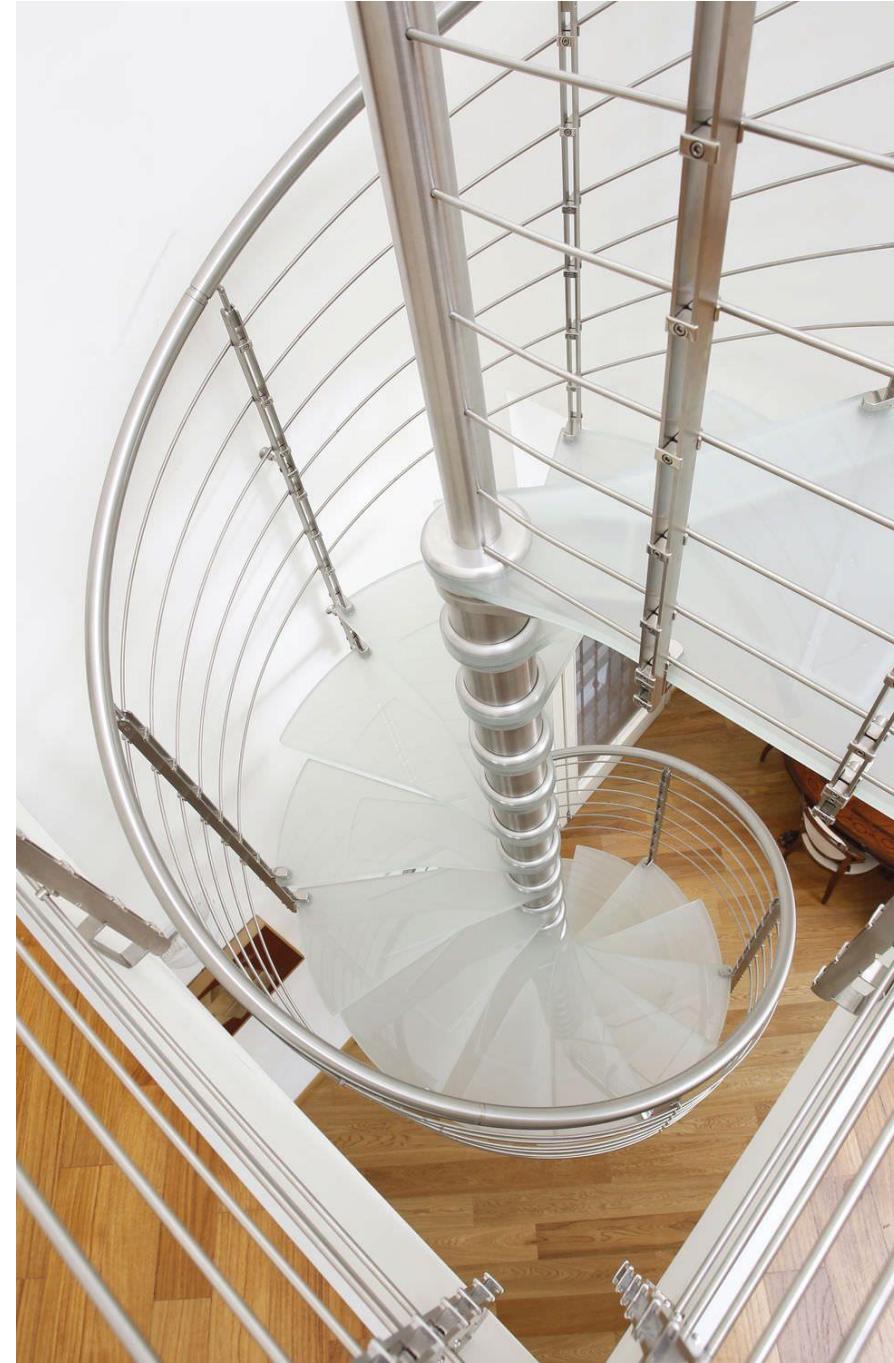
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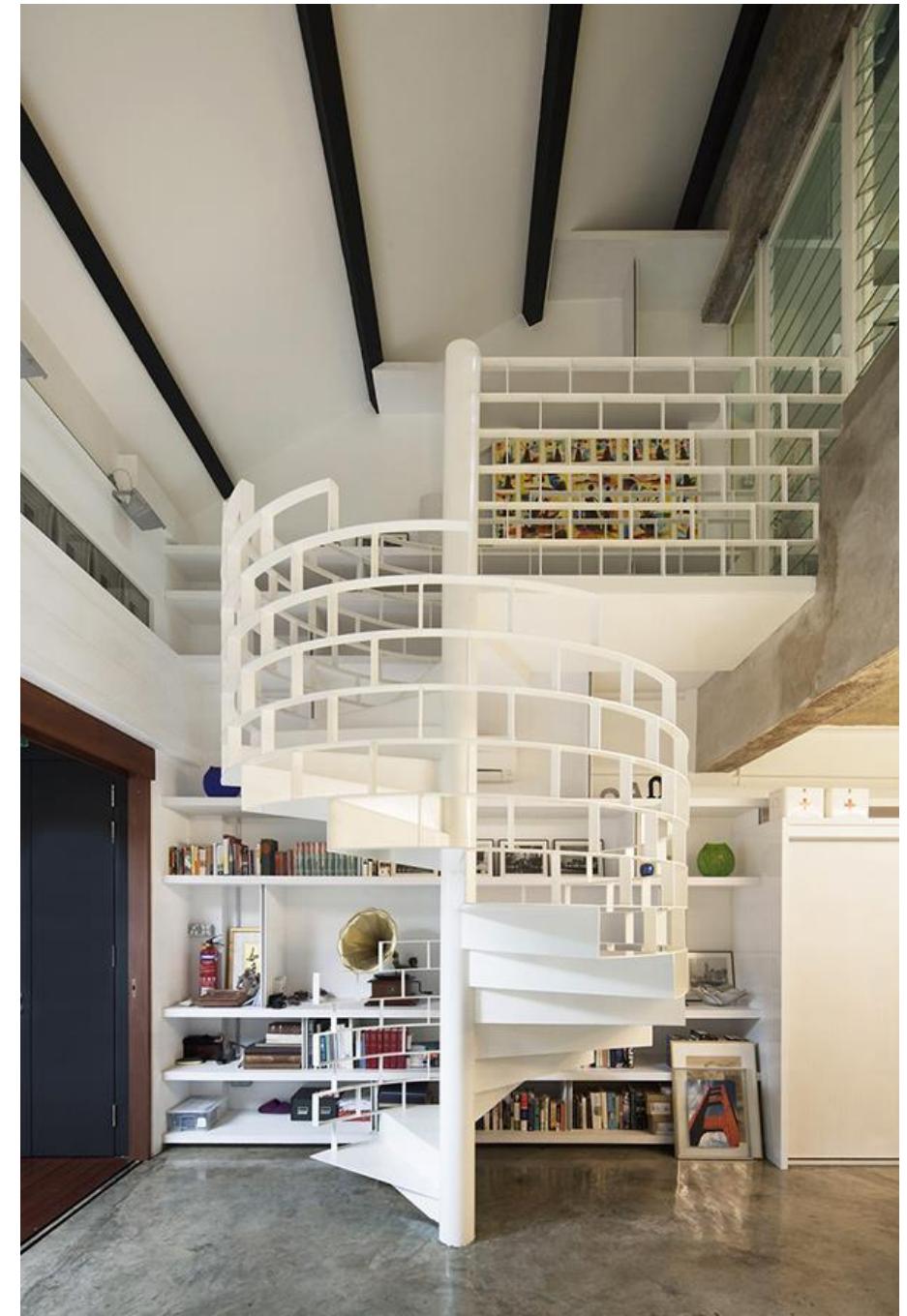
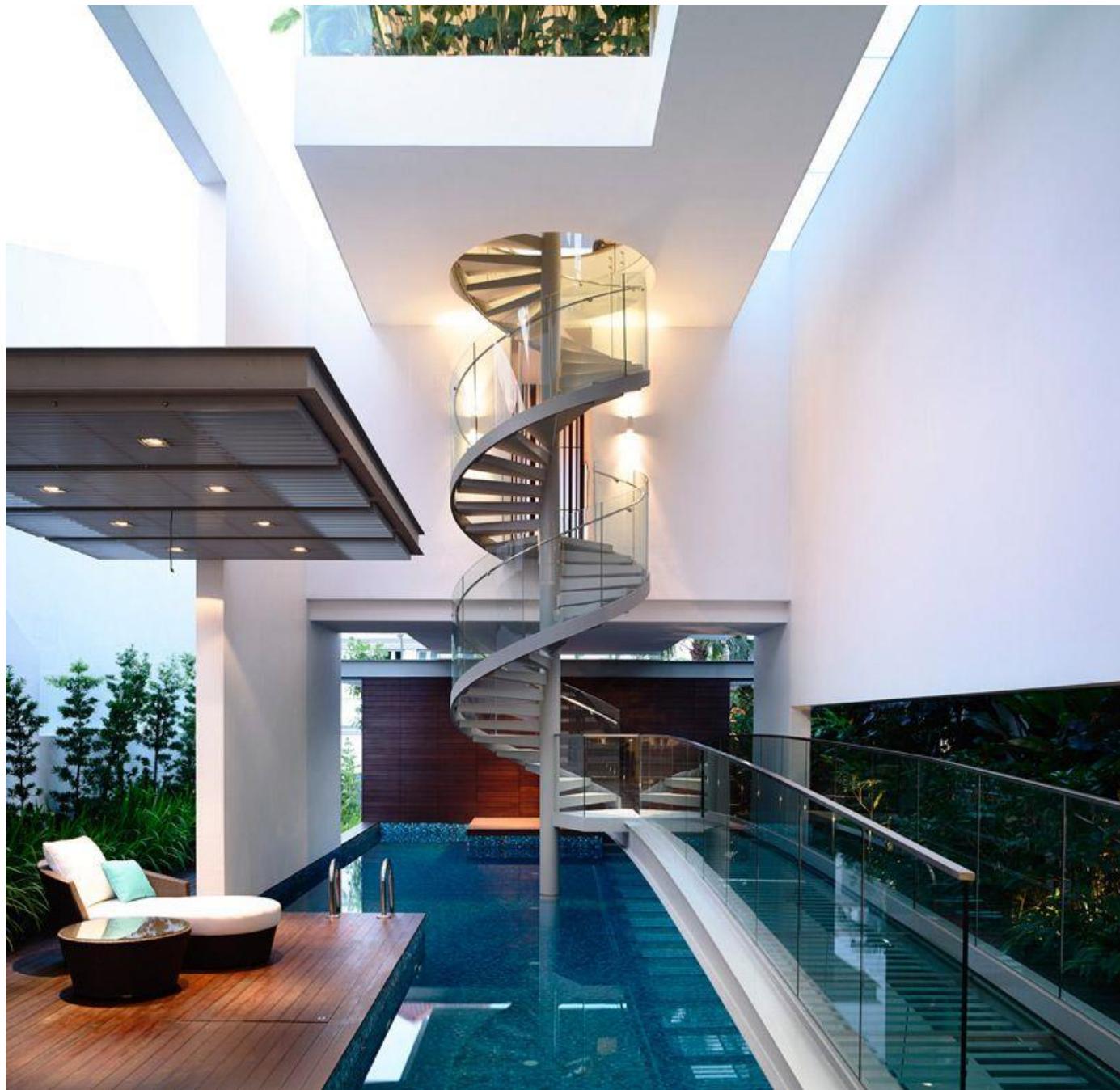
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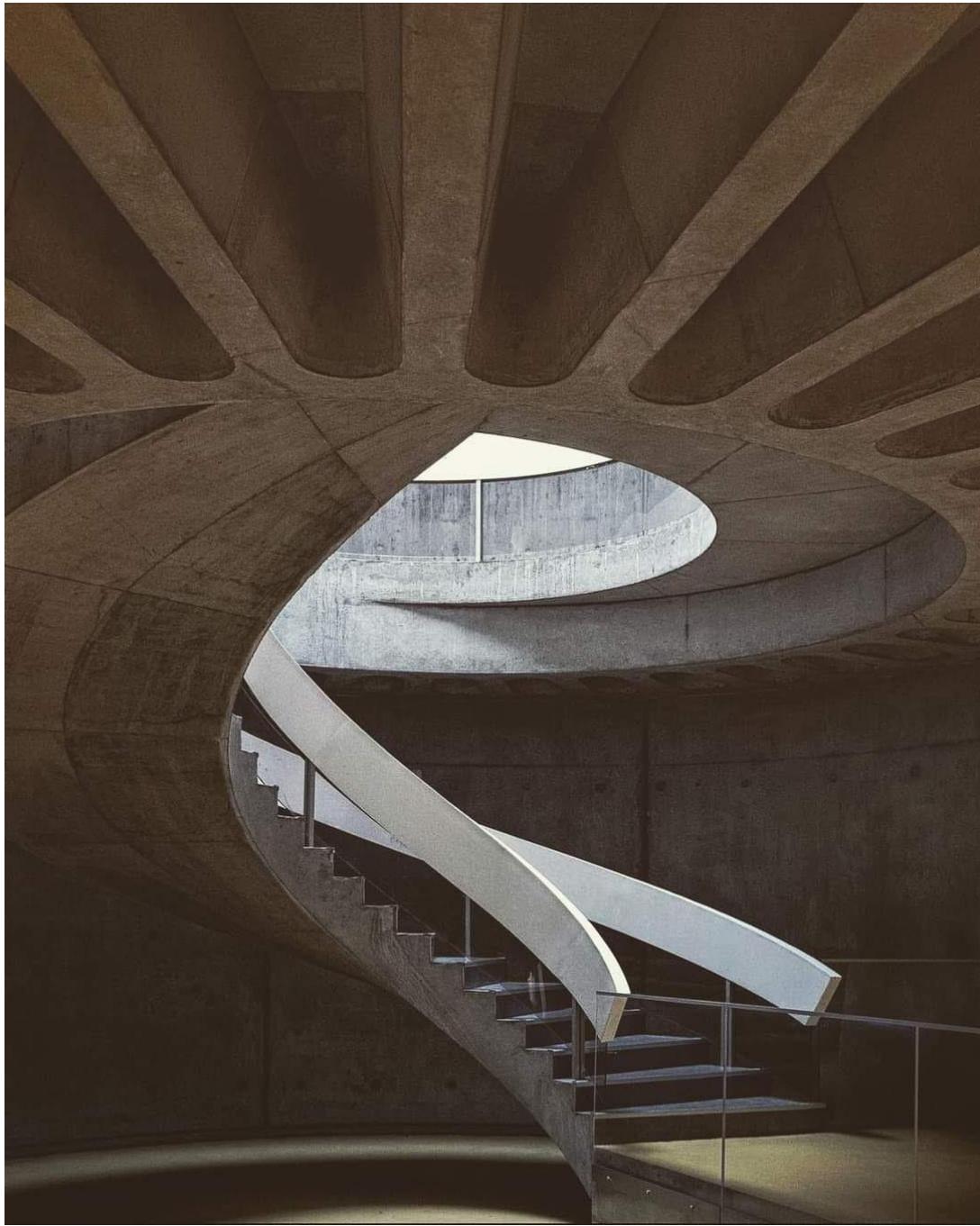






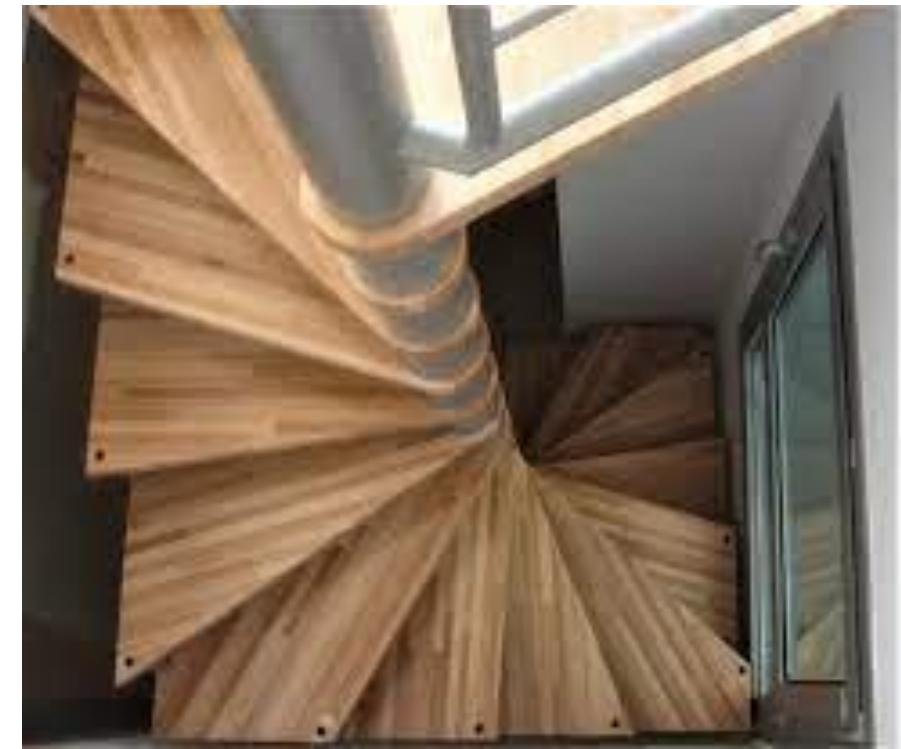






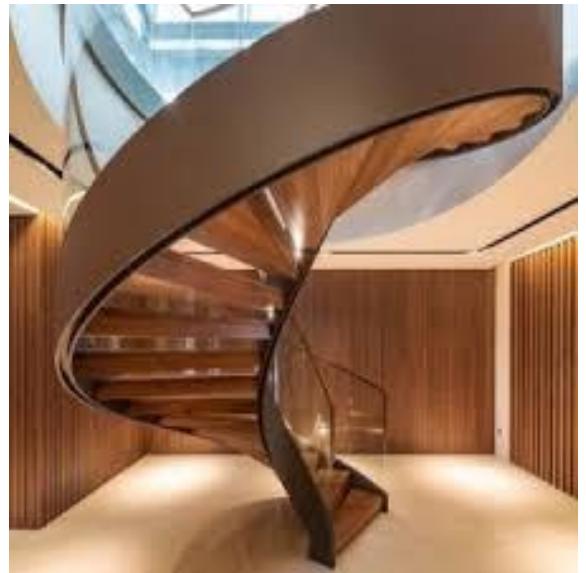










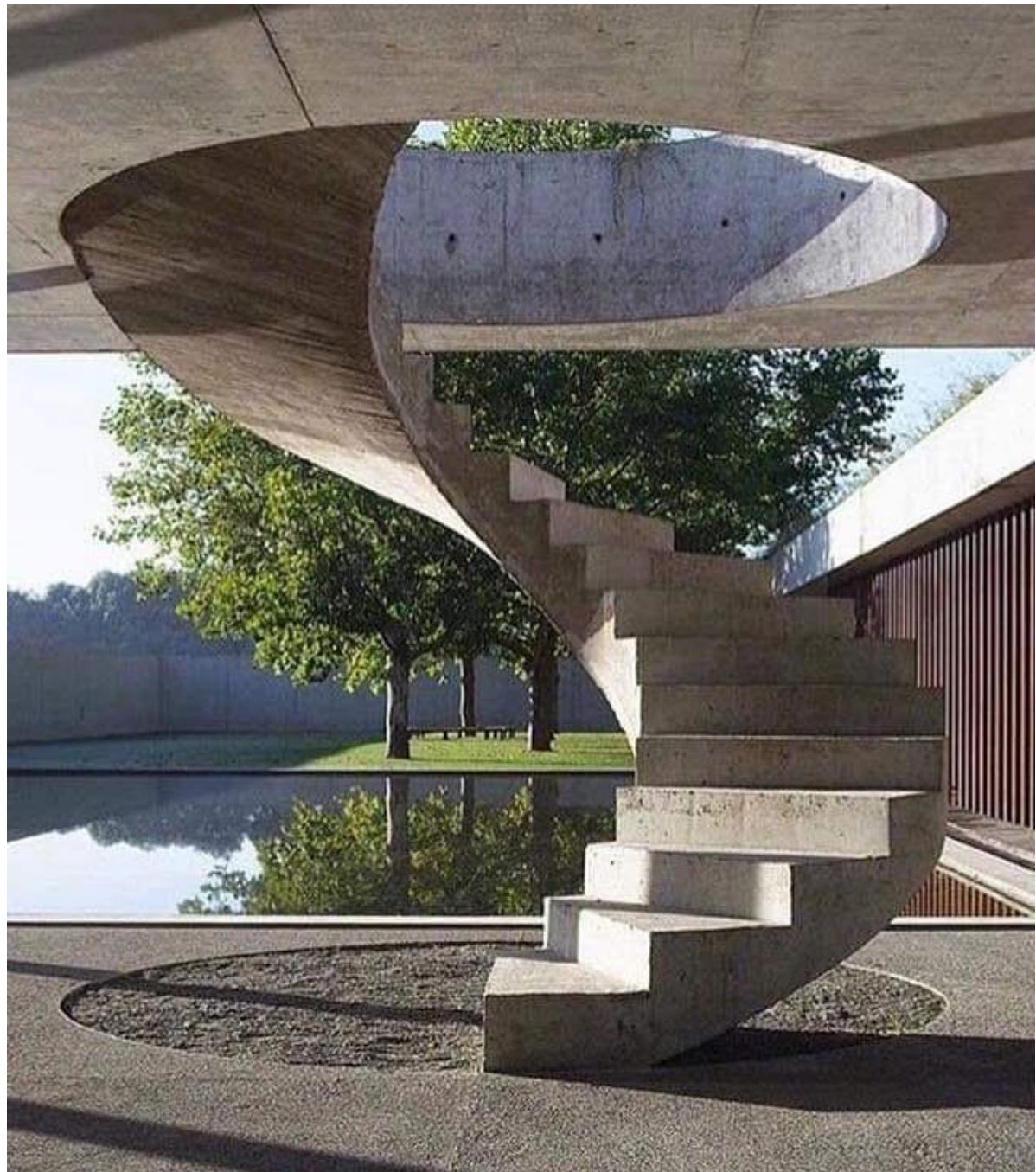










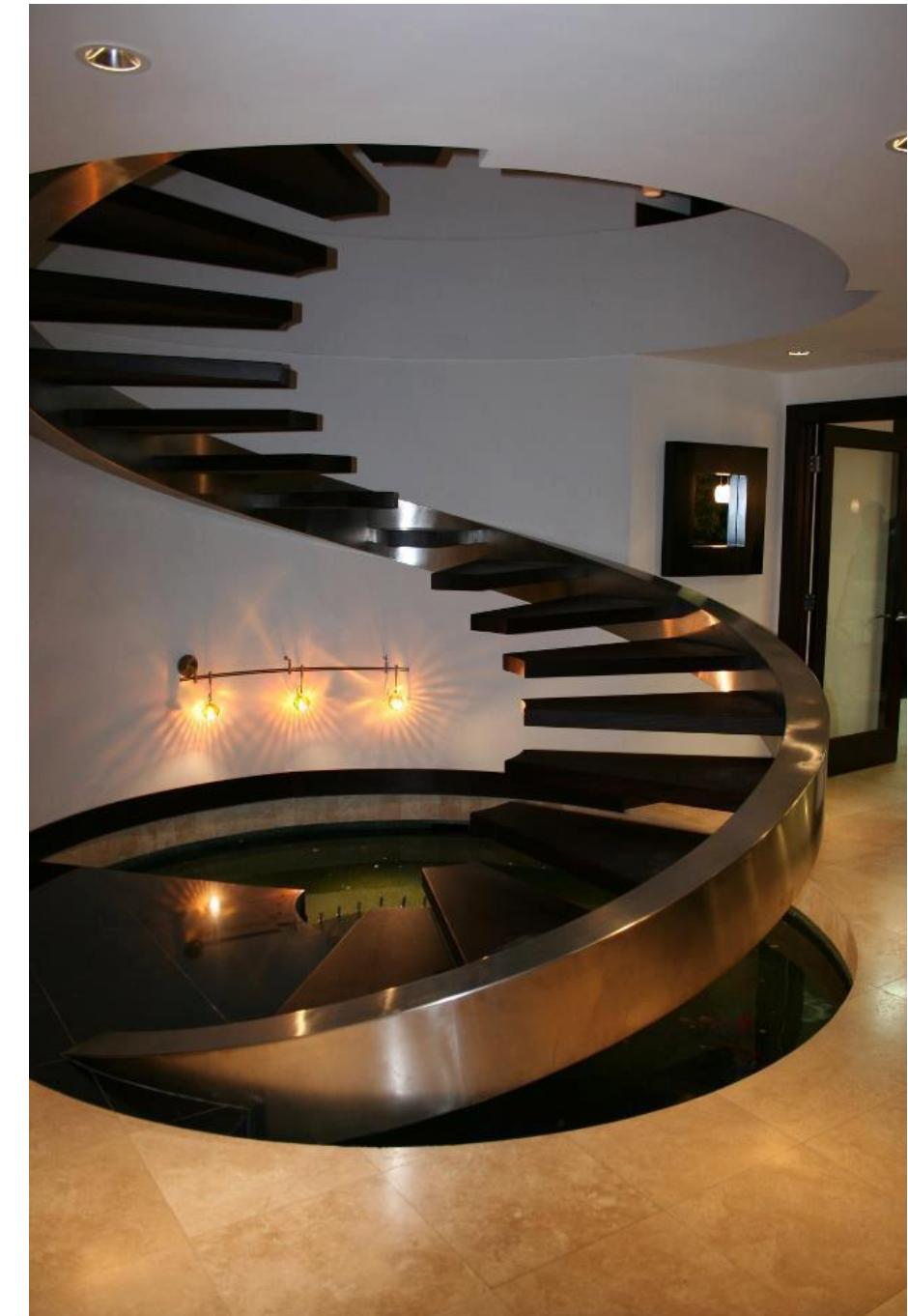




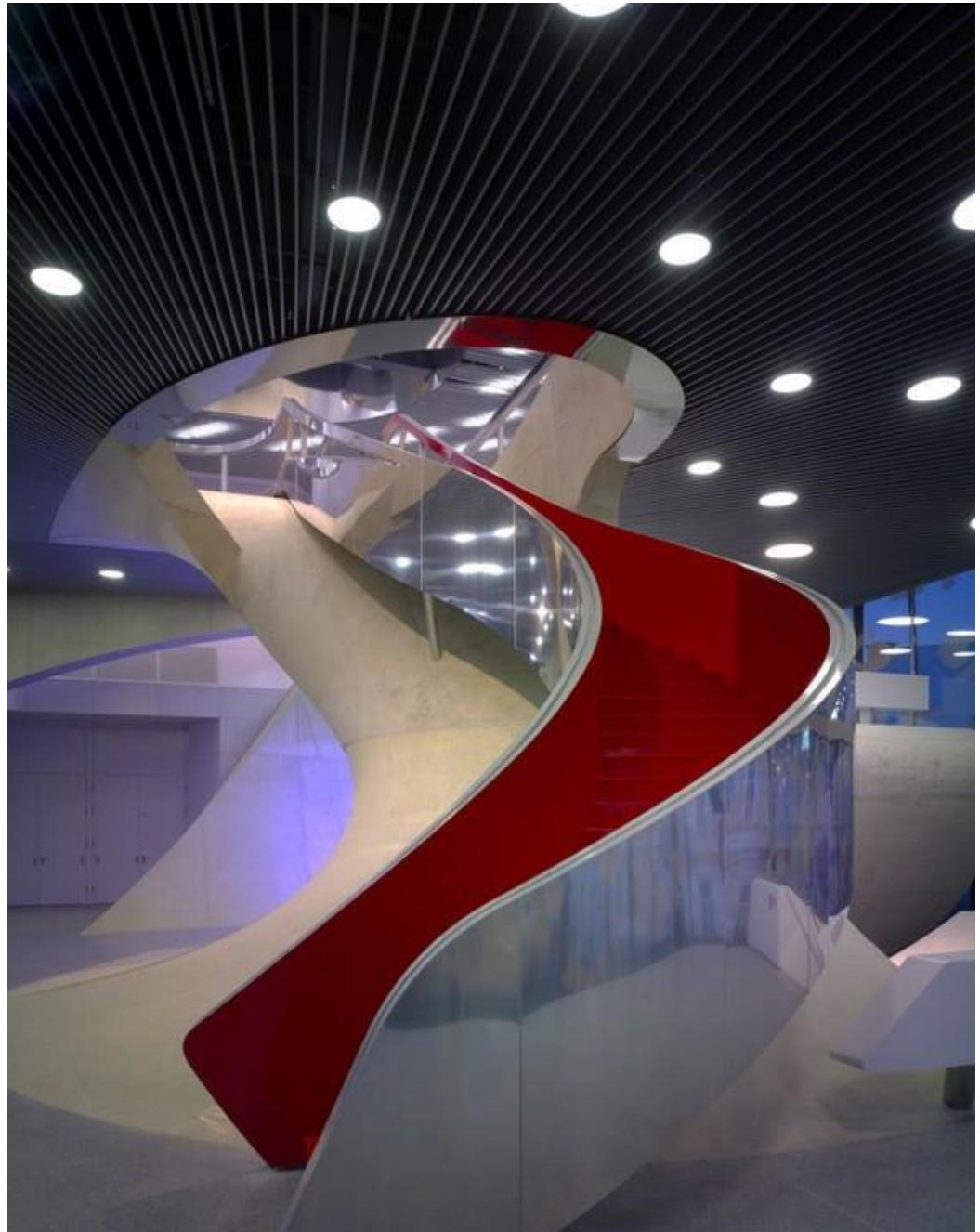
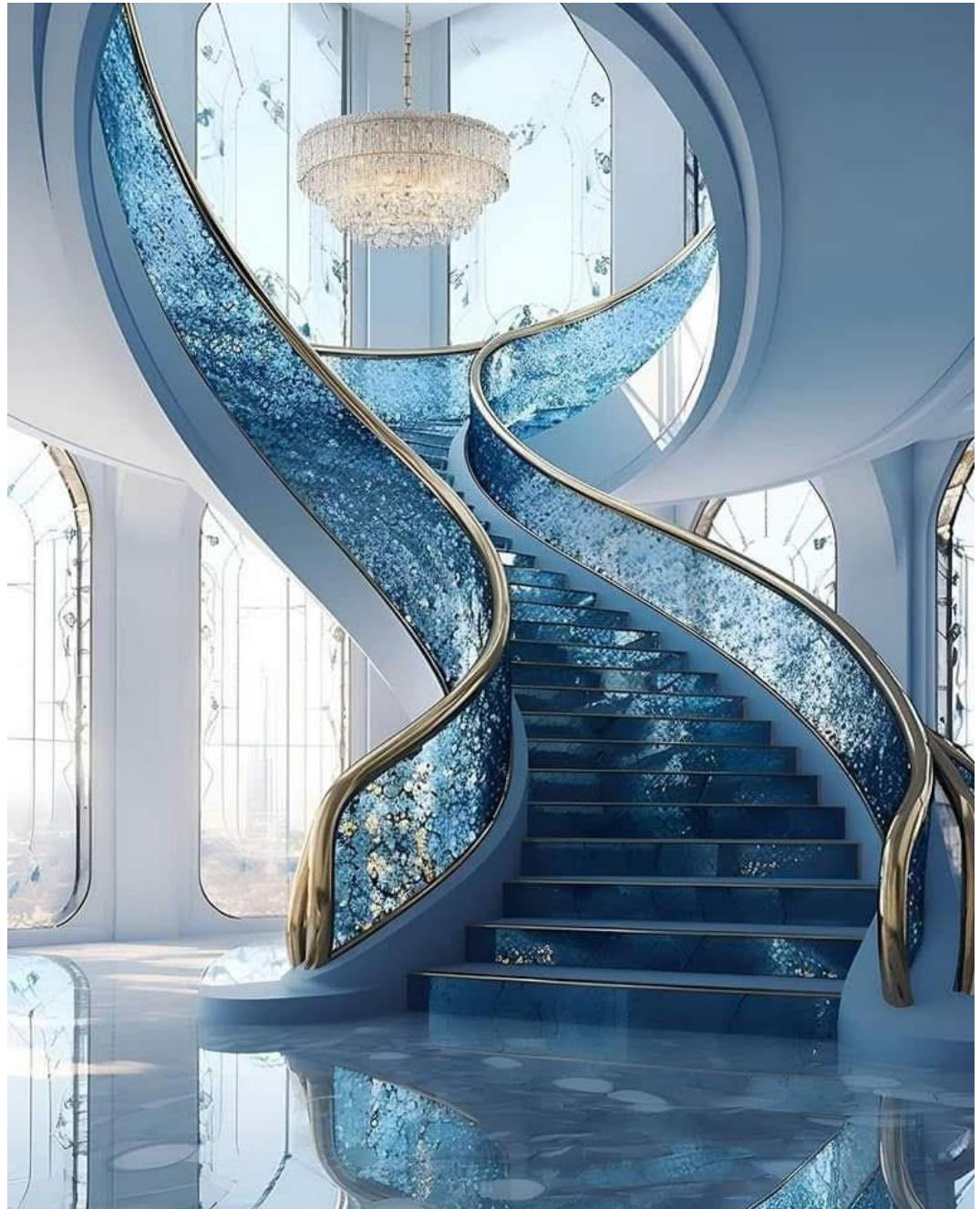


MI PIACE!





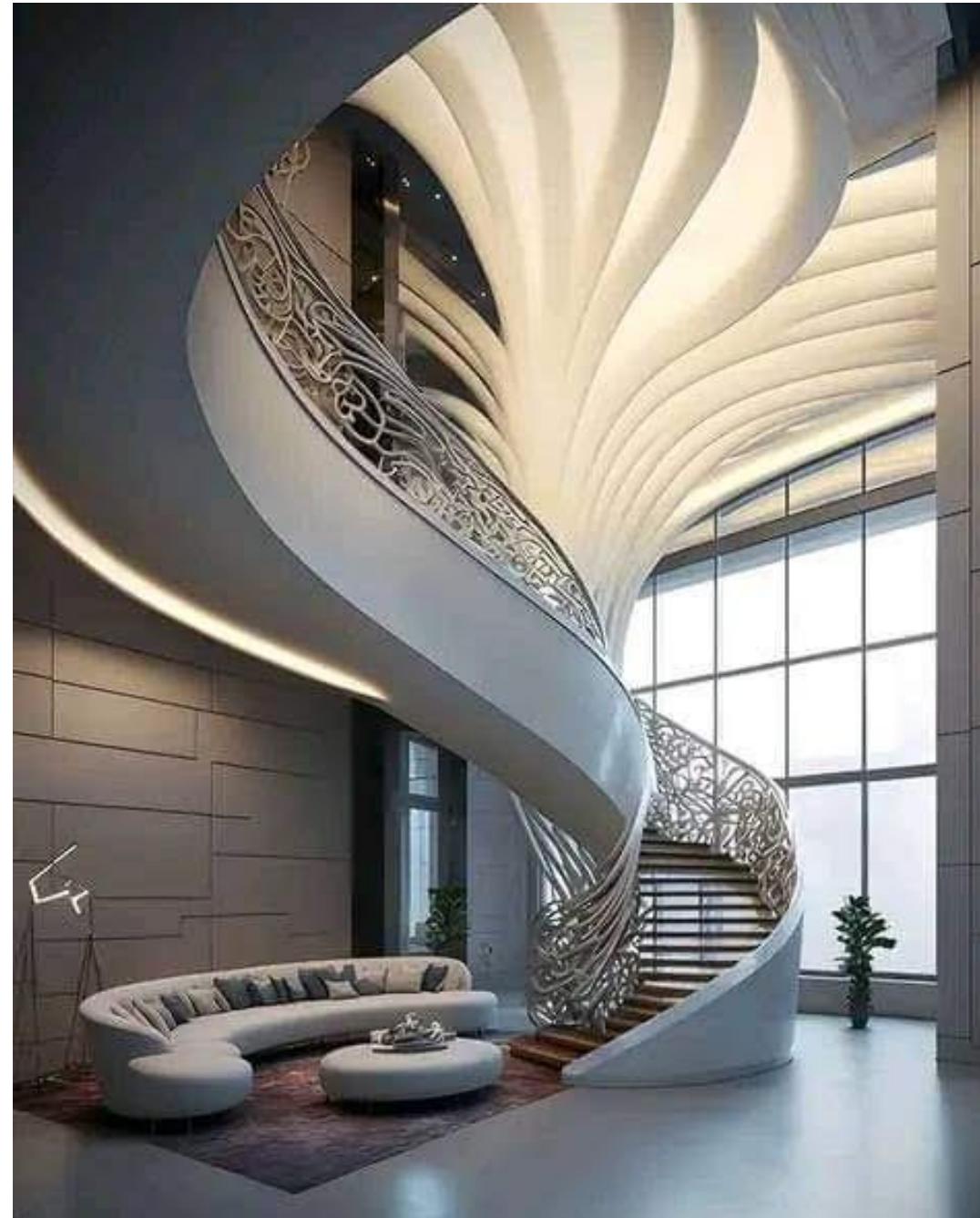
















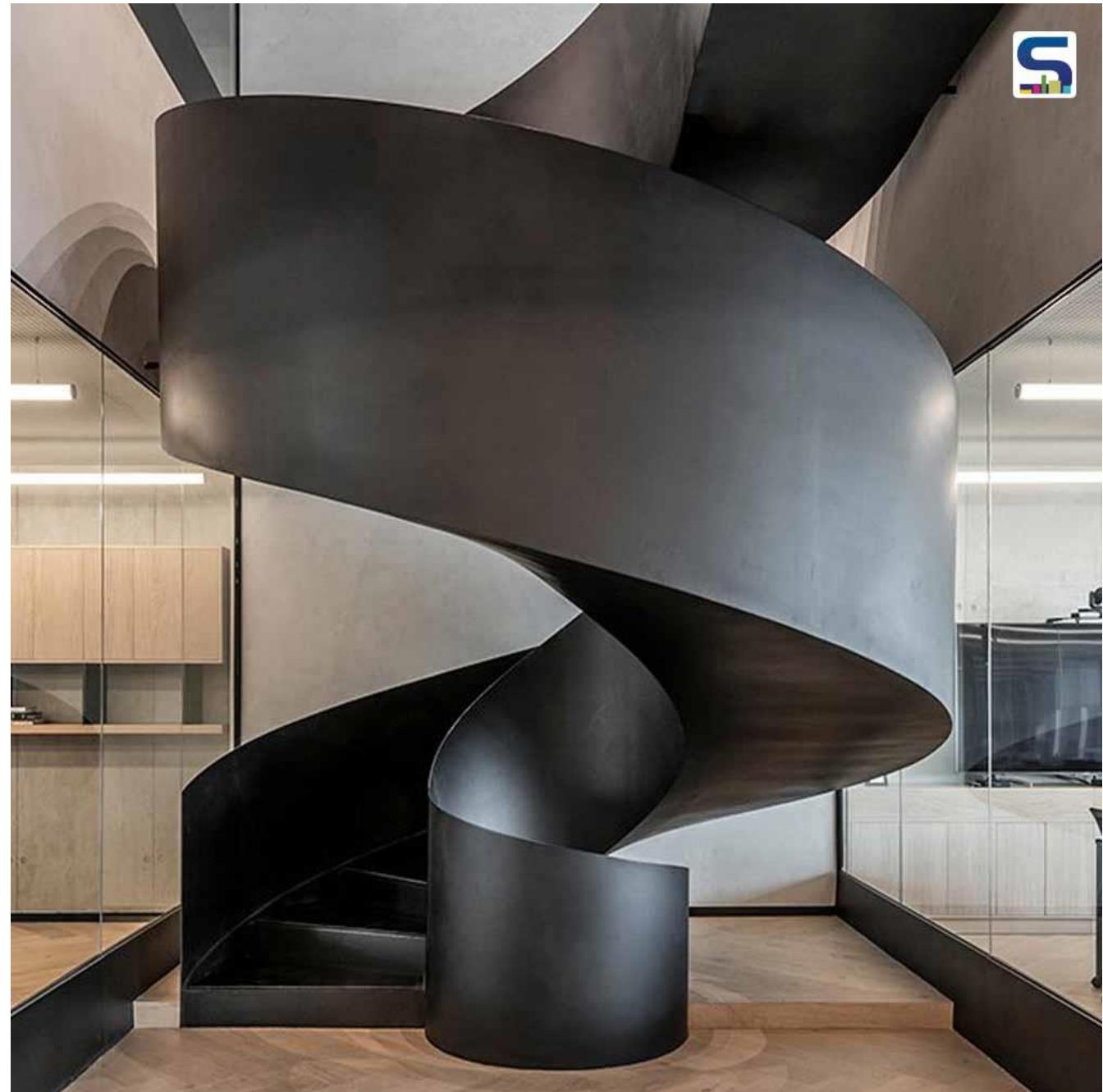


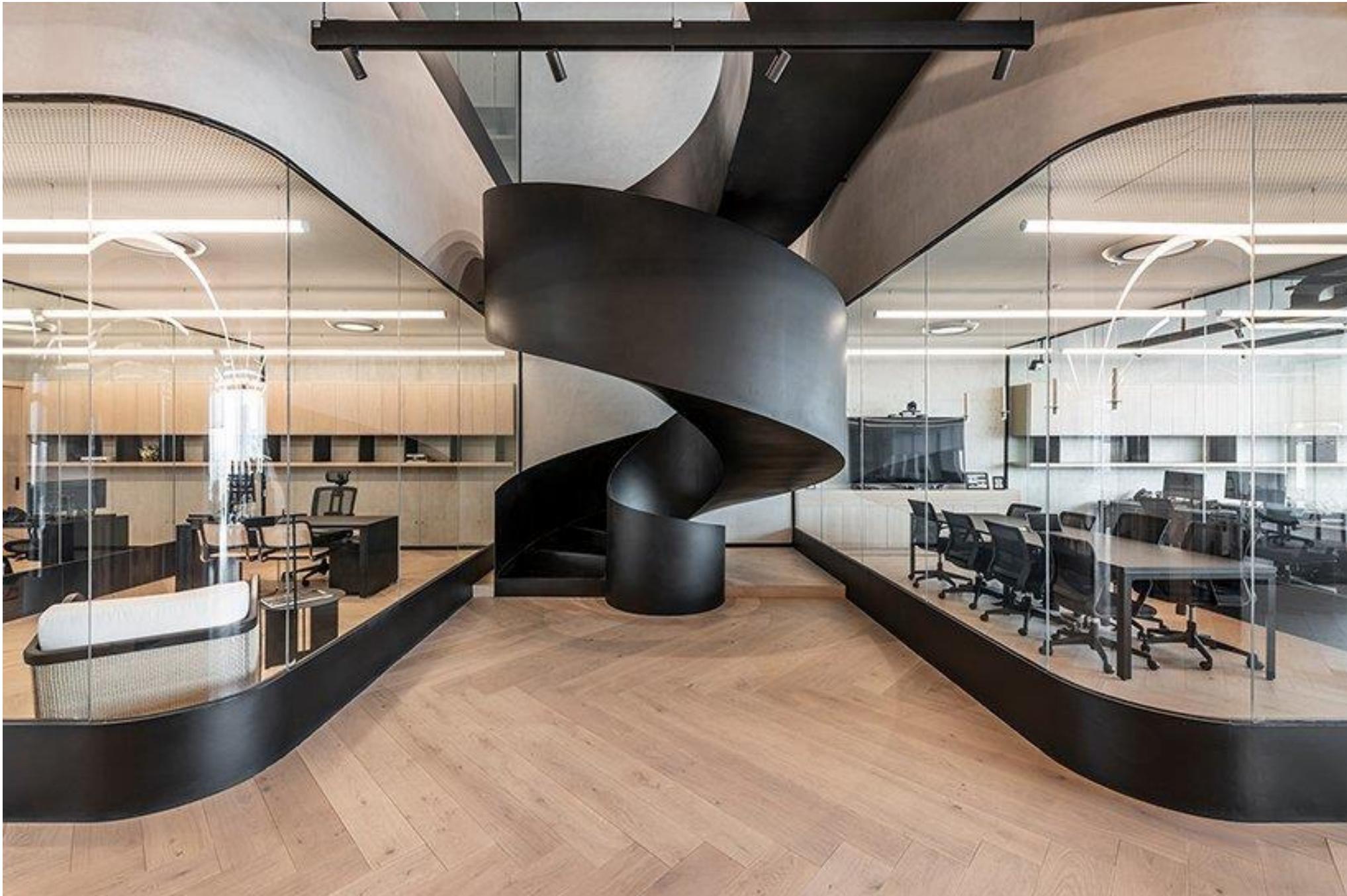




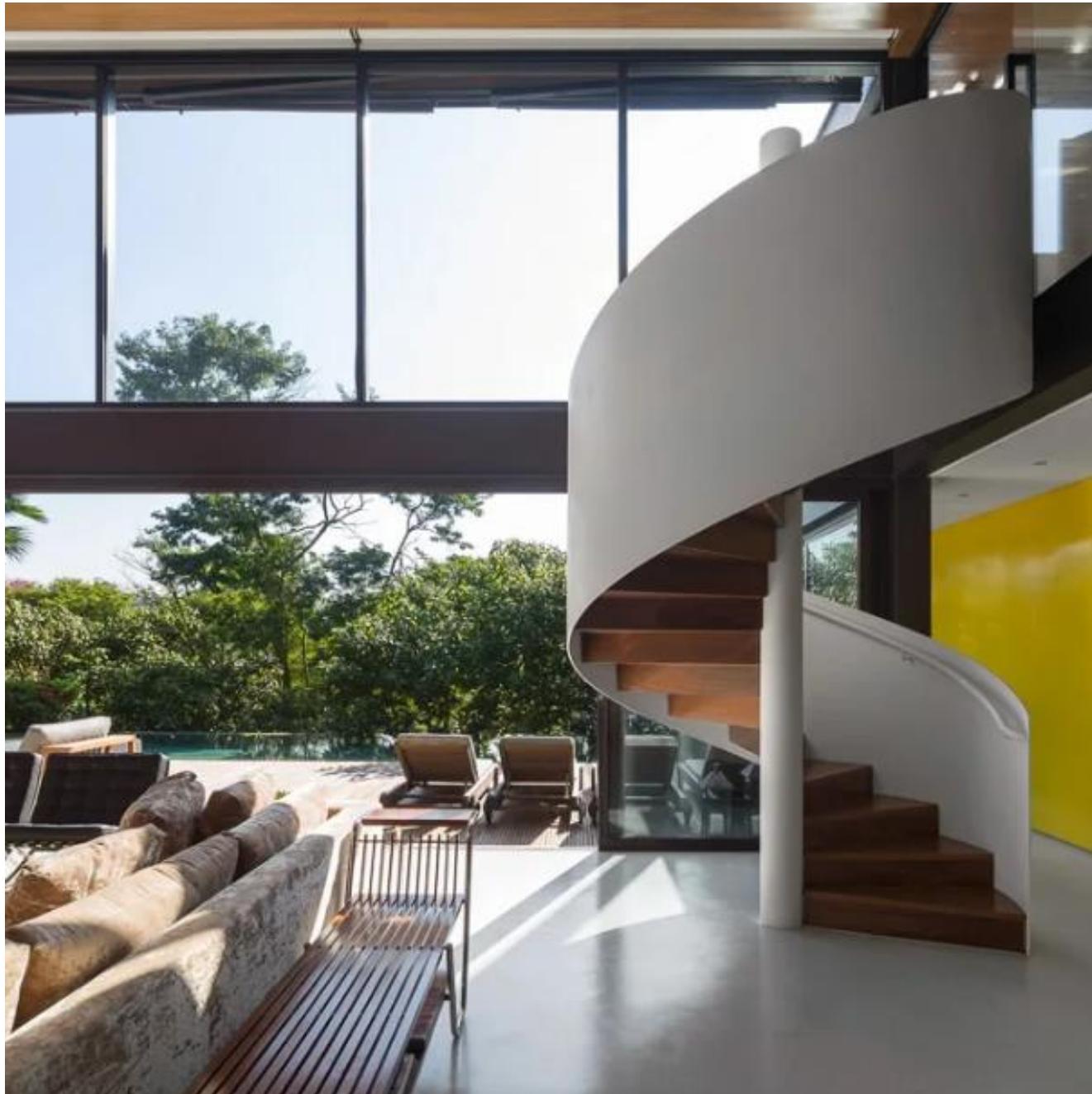


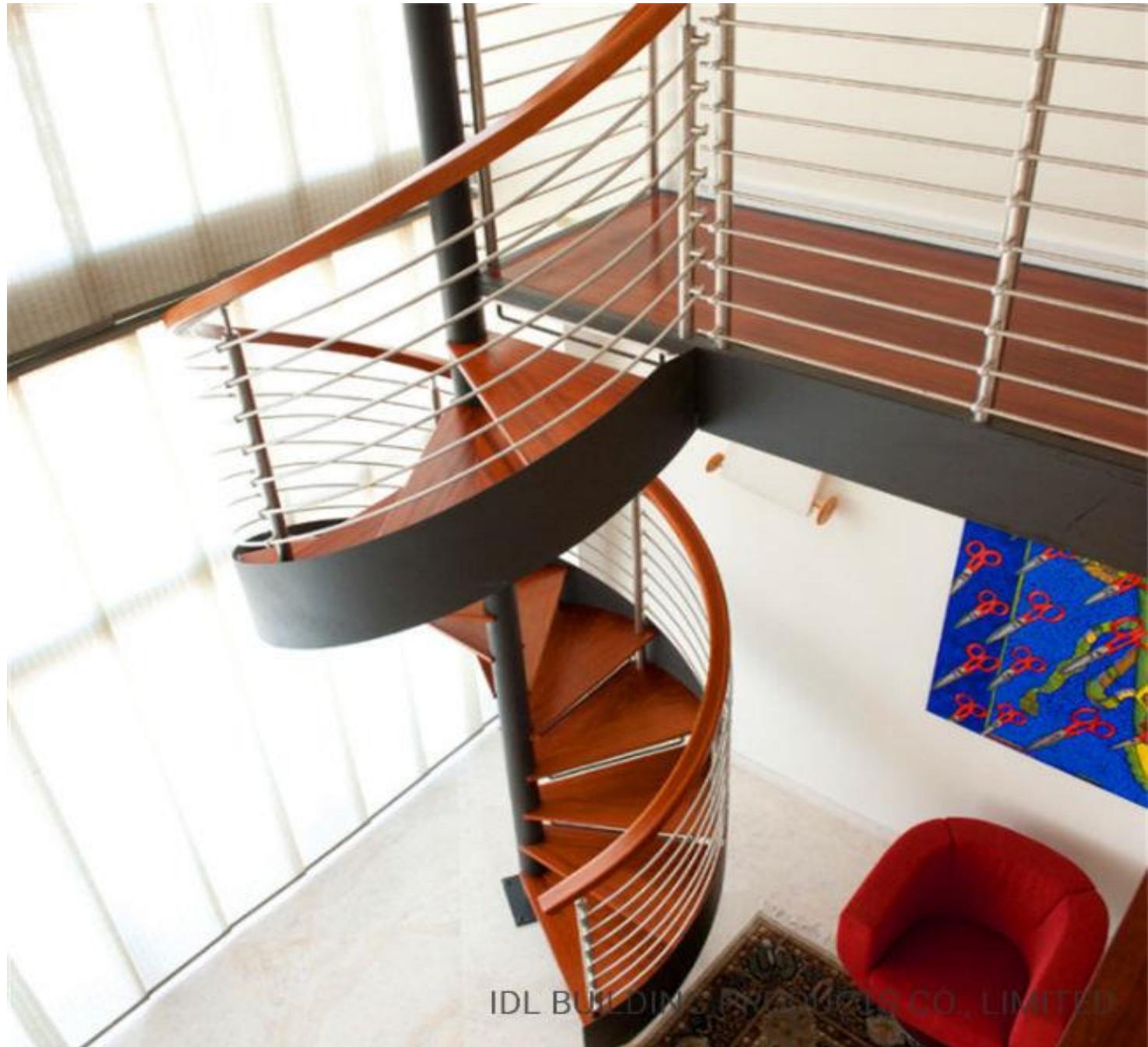
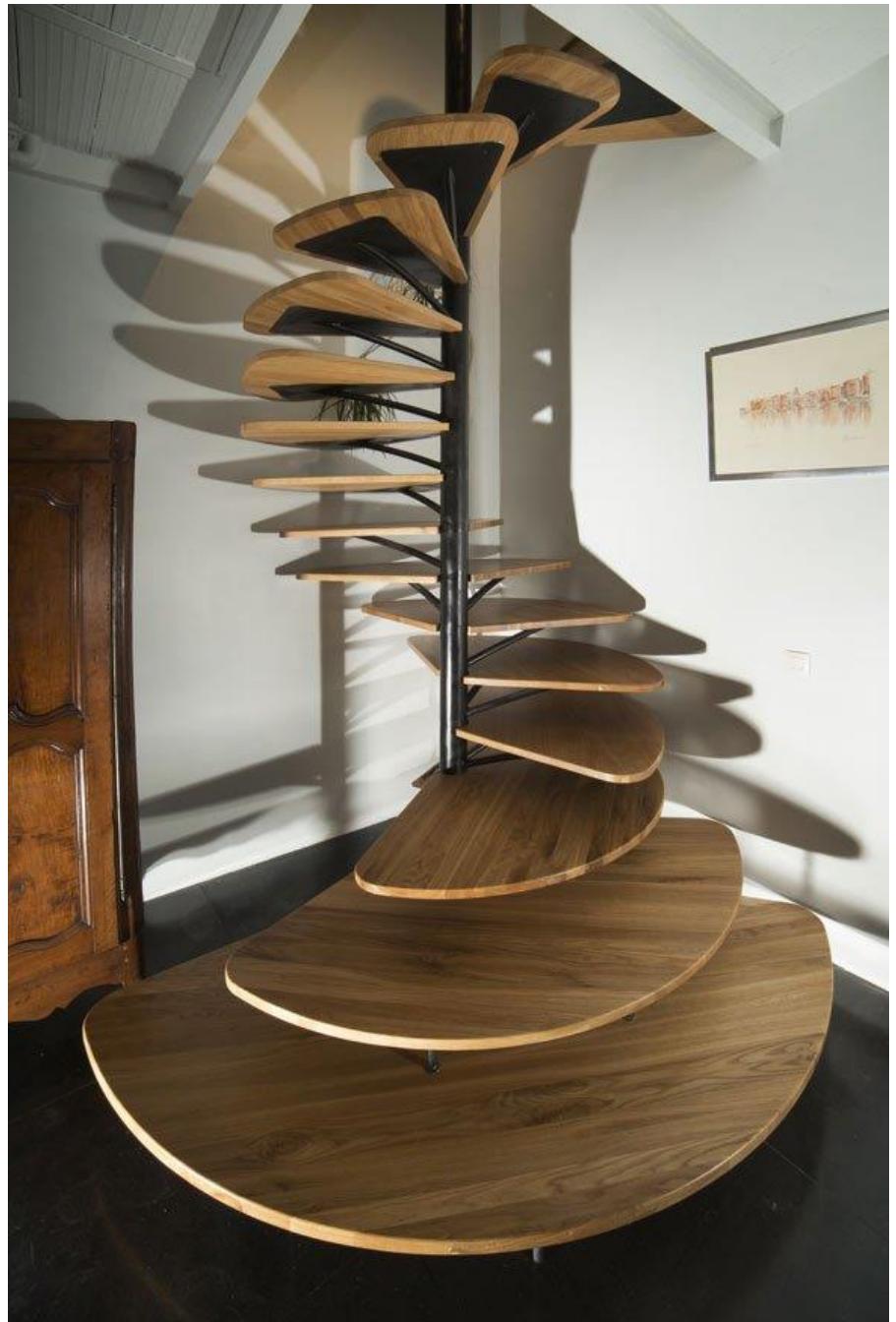




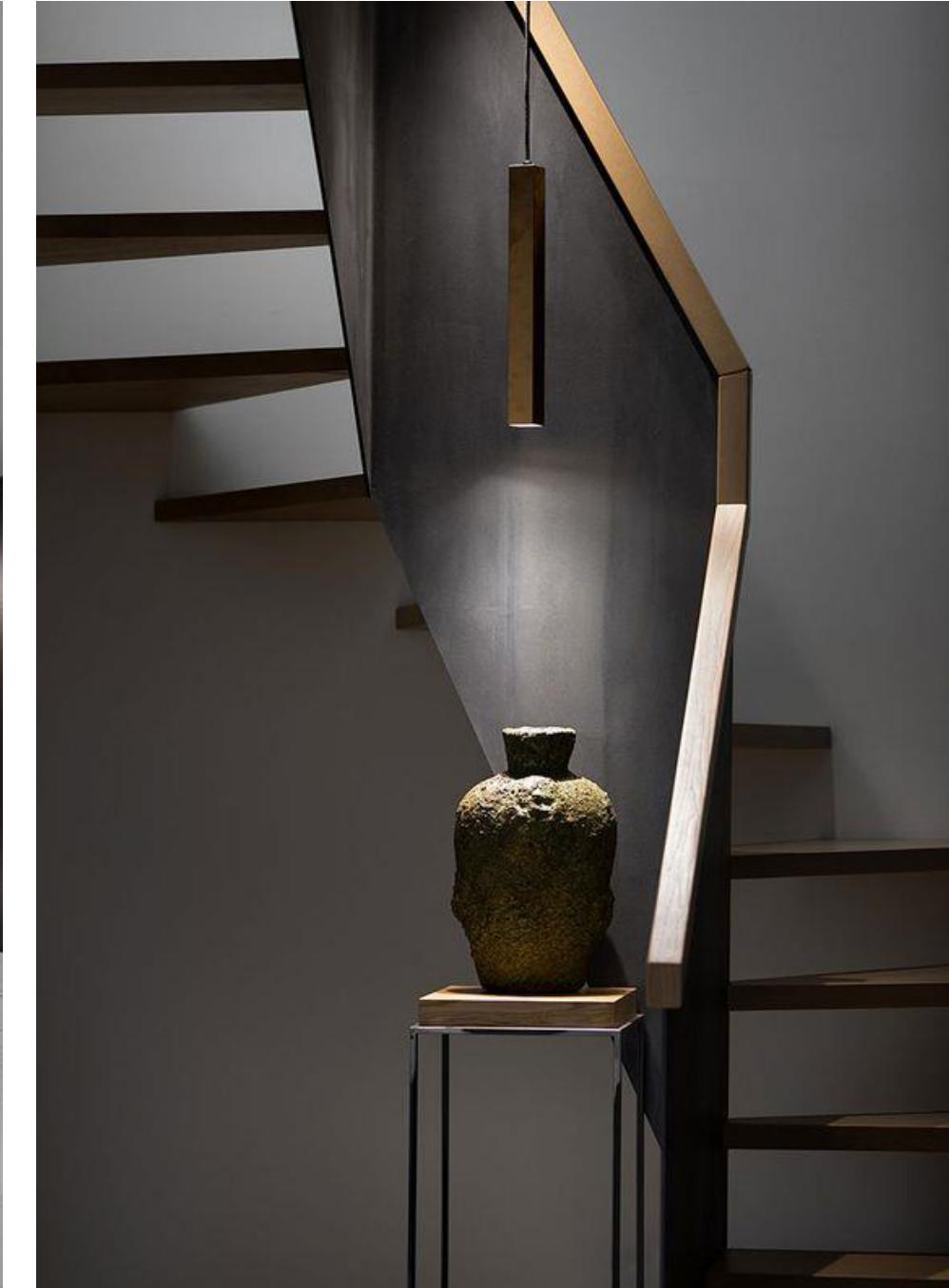
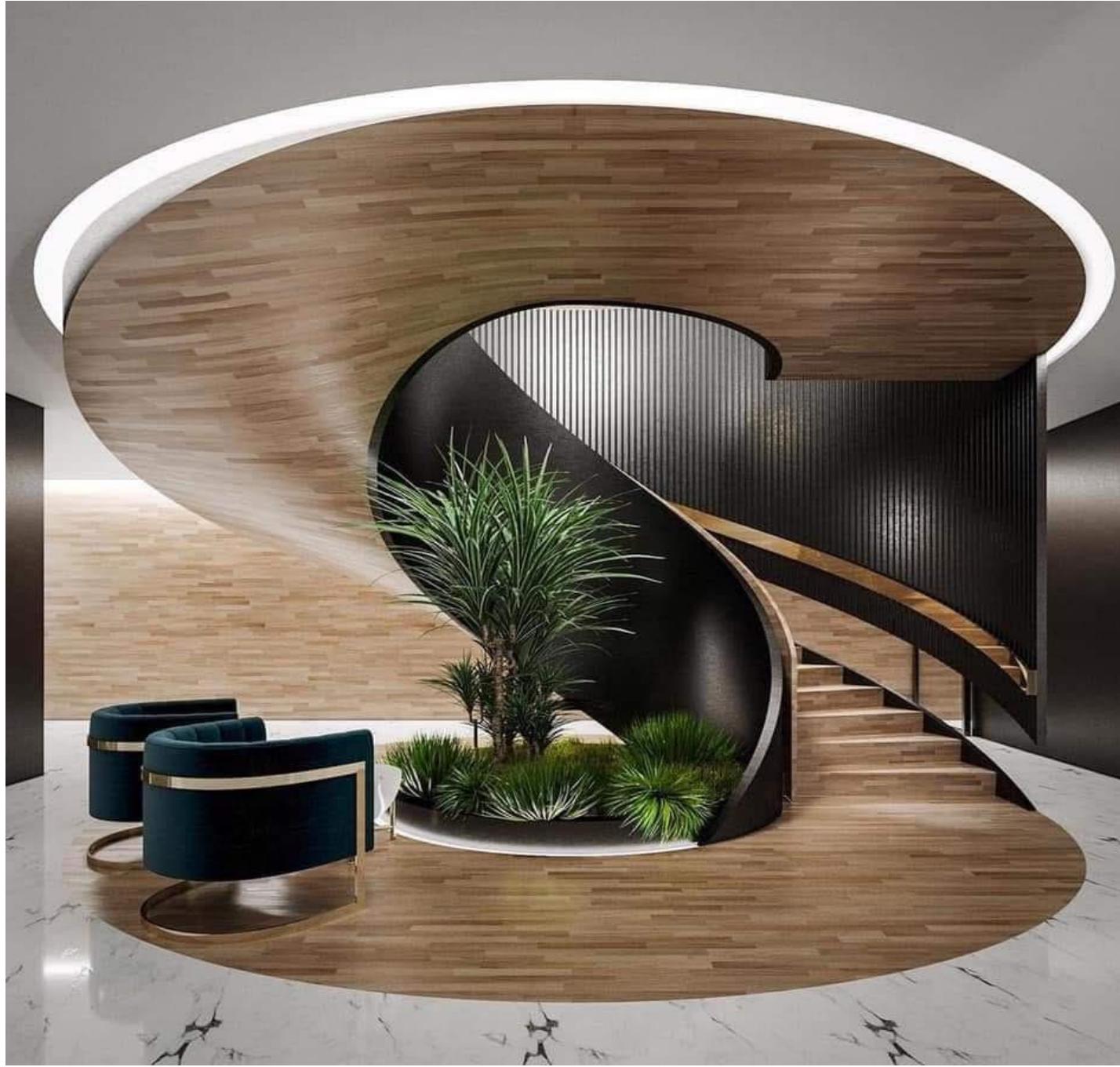






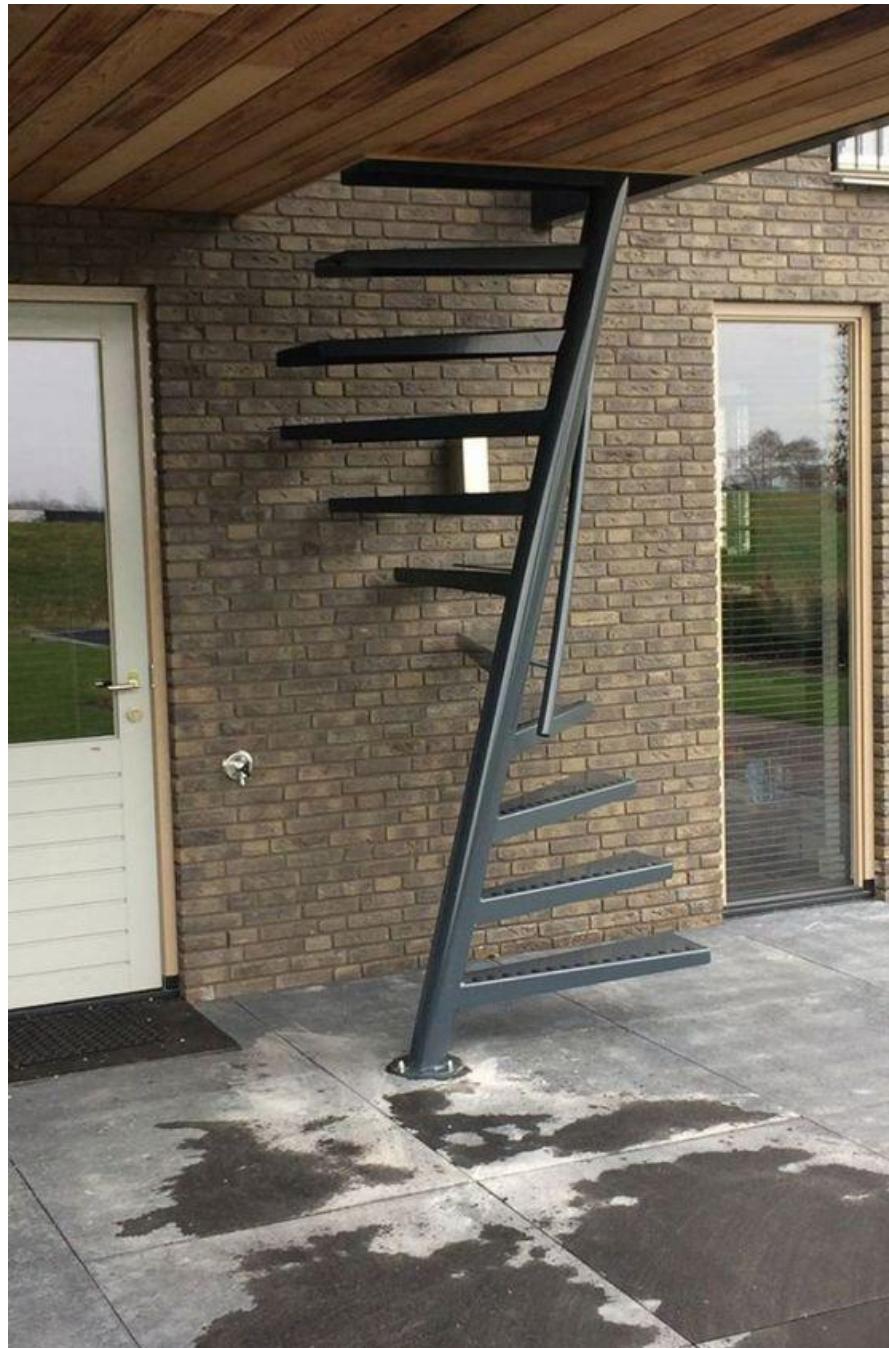








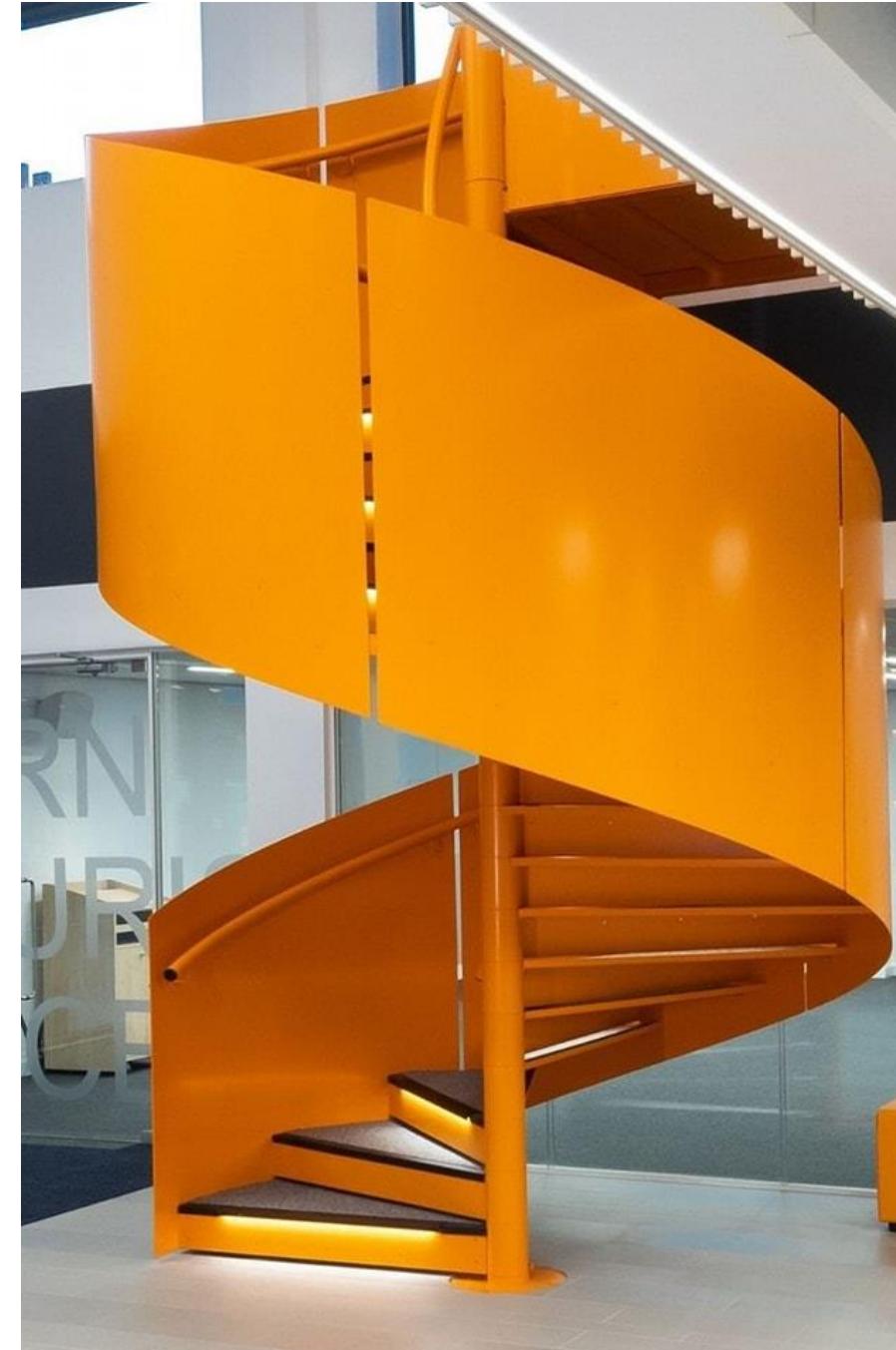








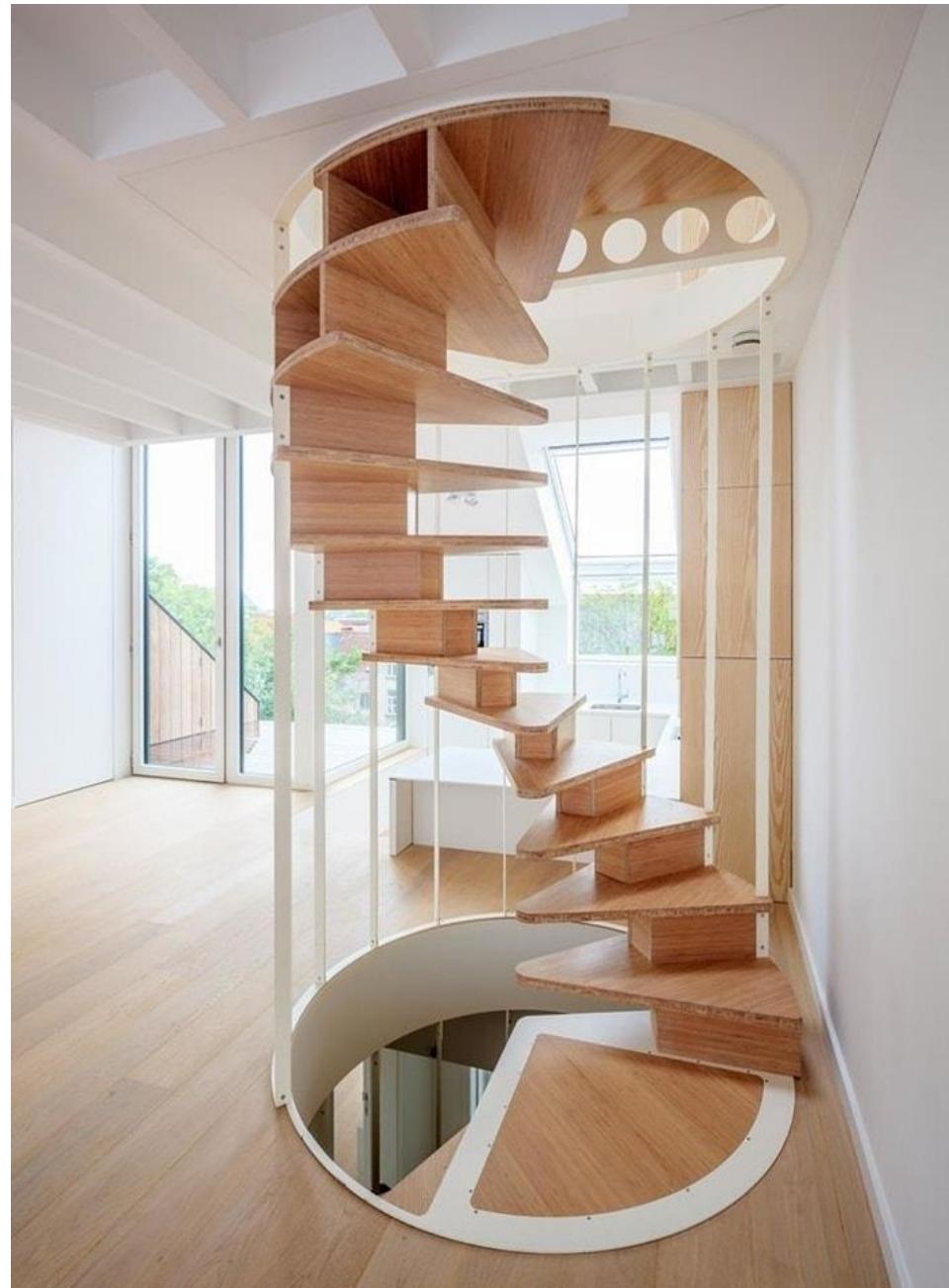




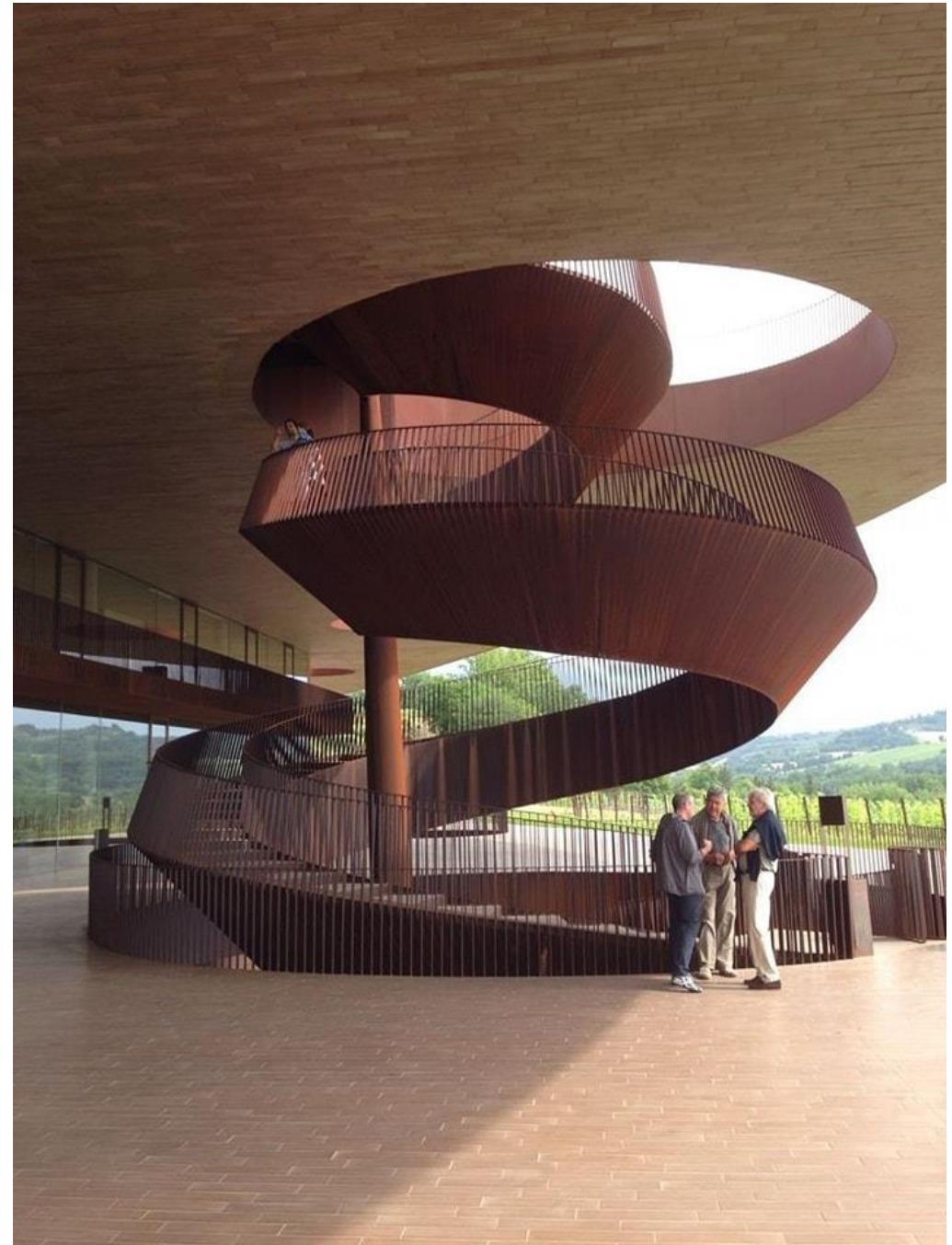


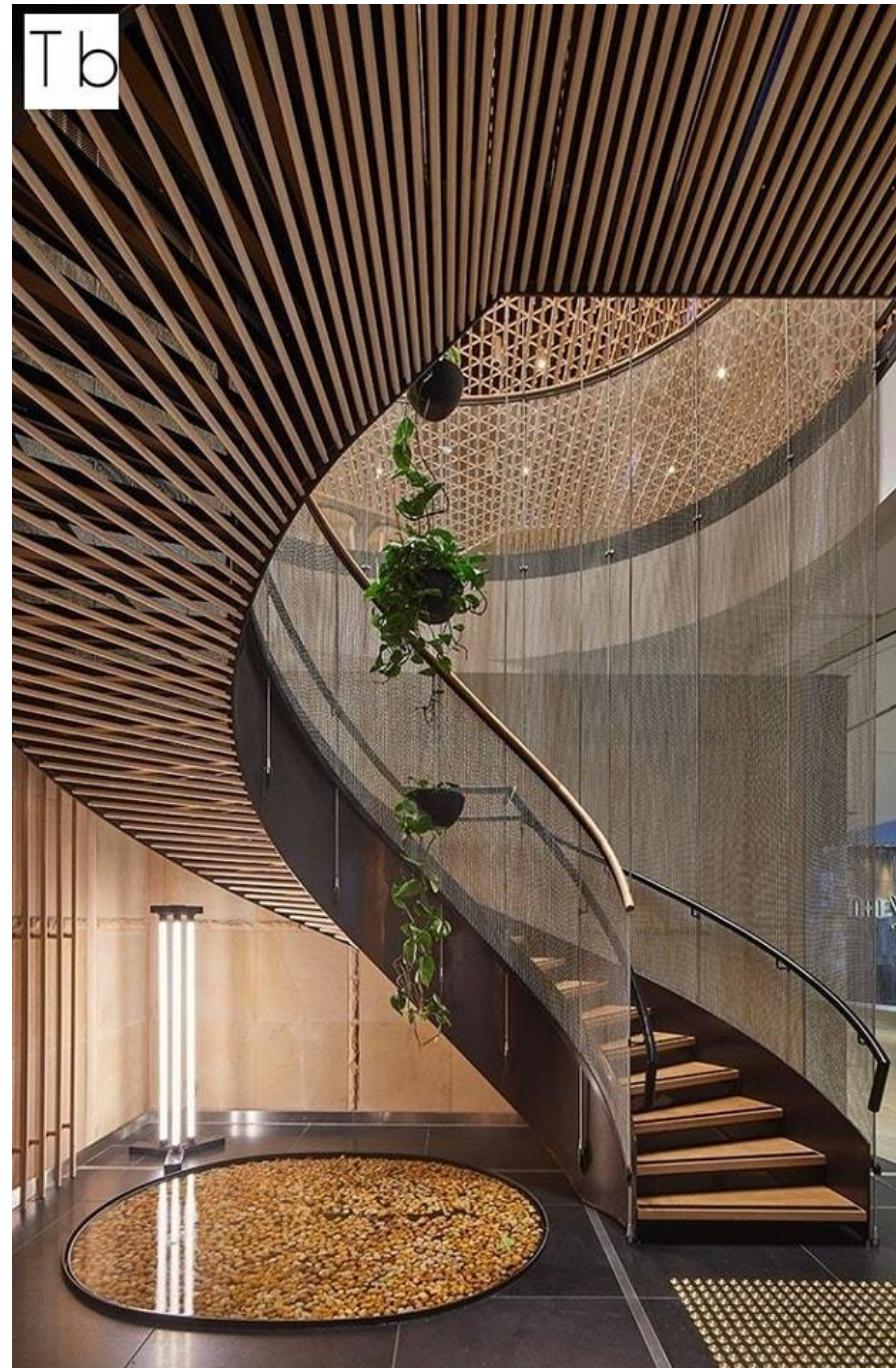
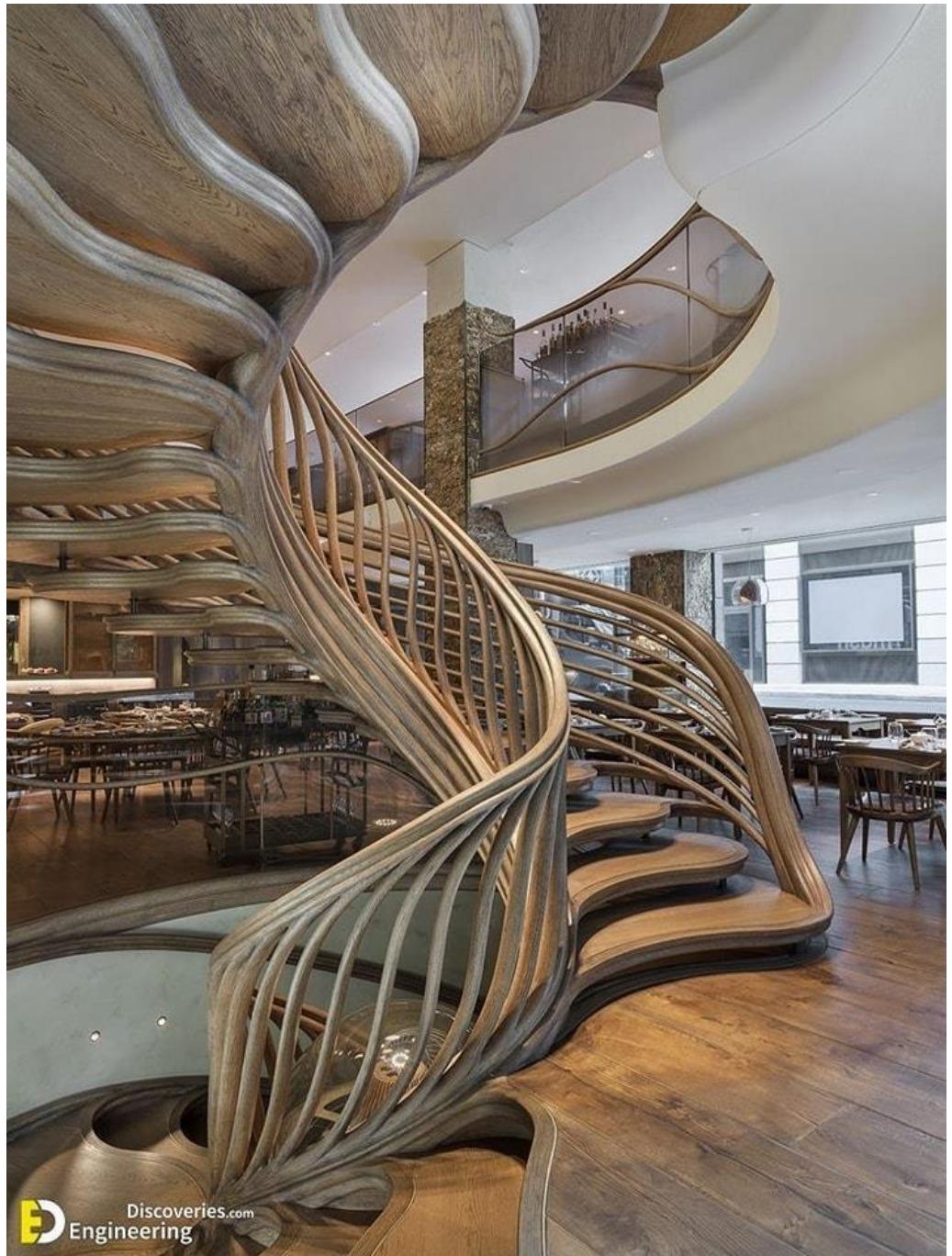


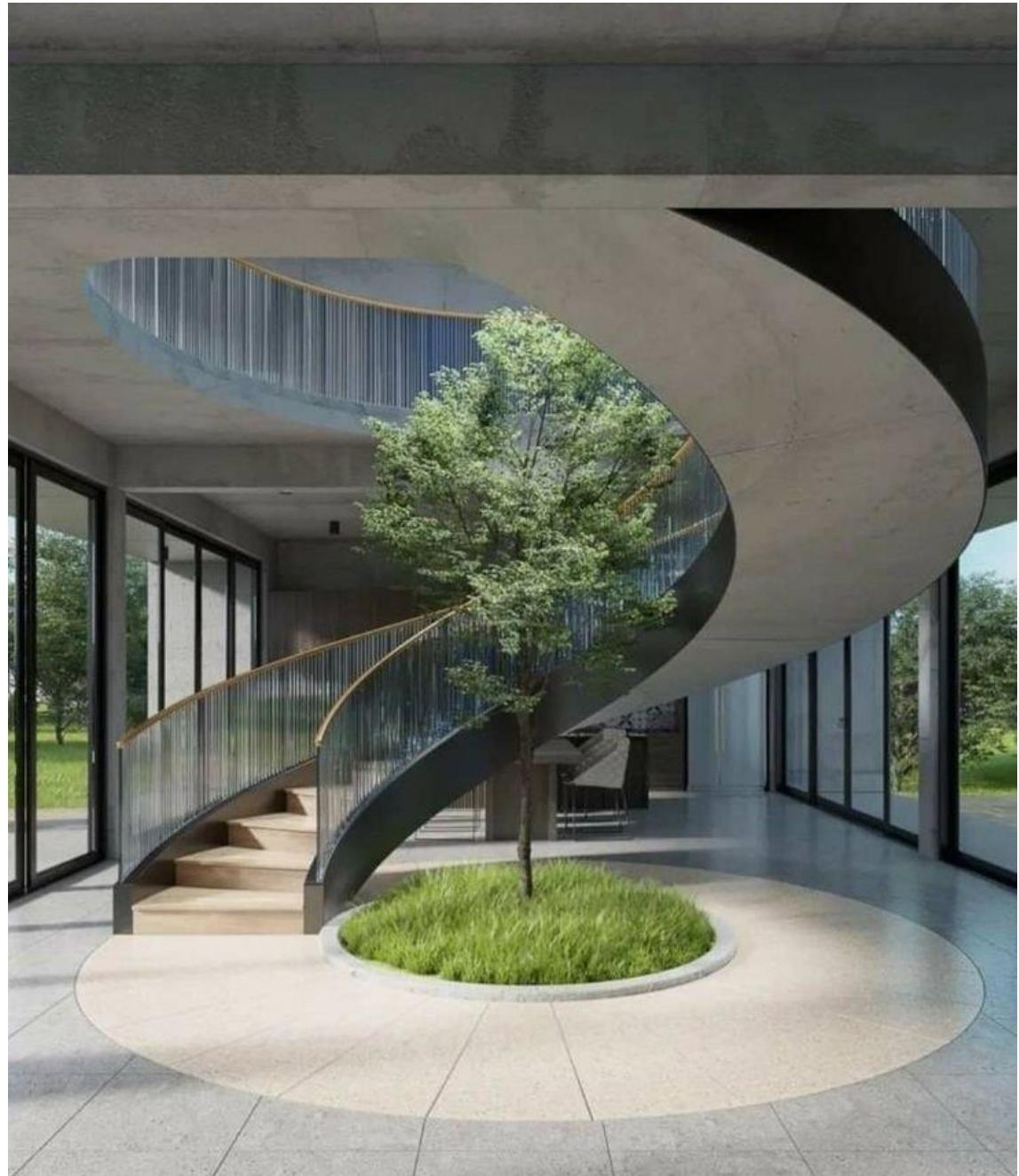
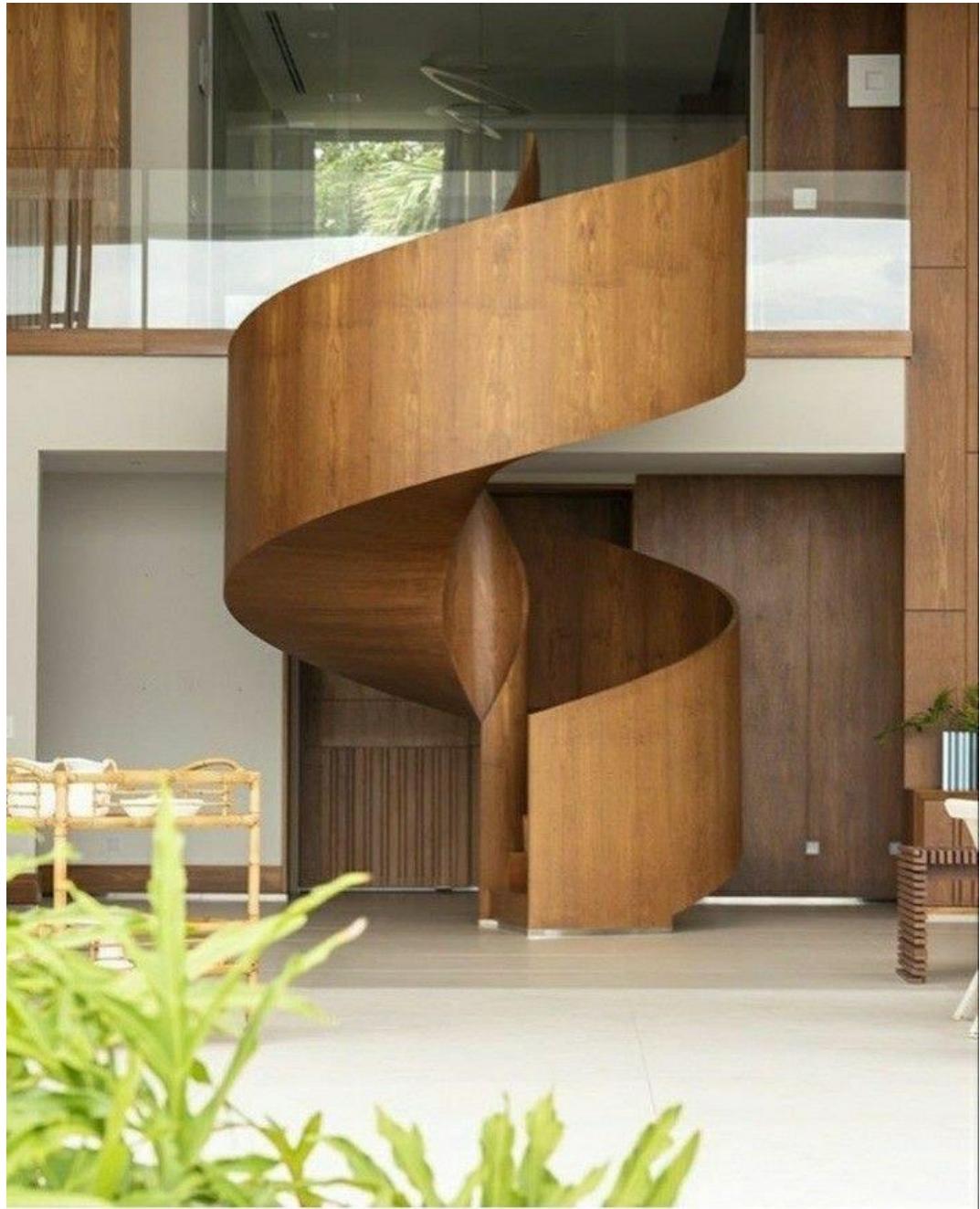




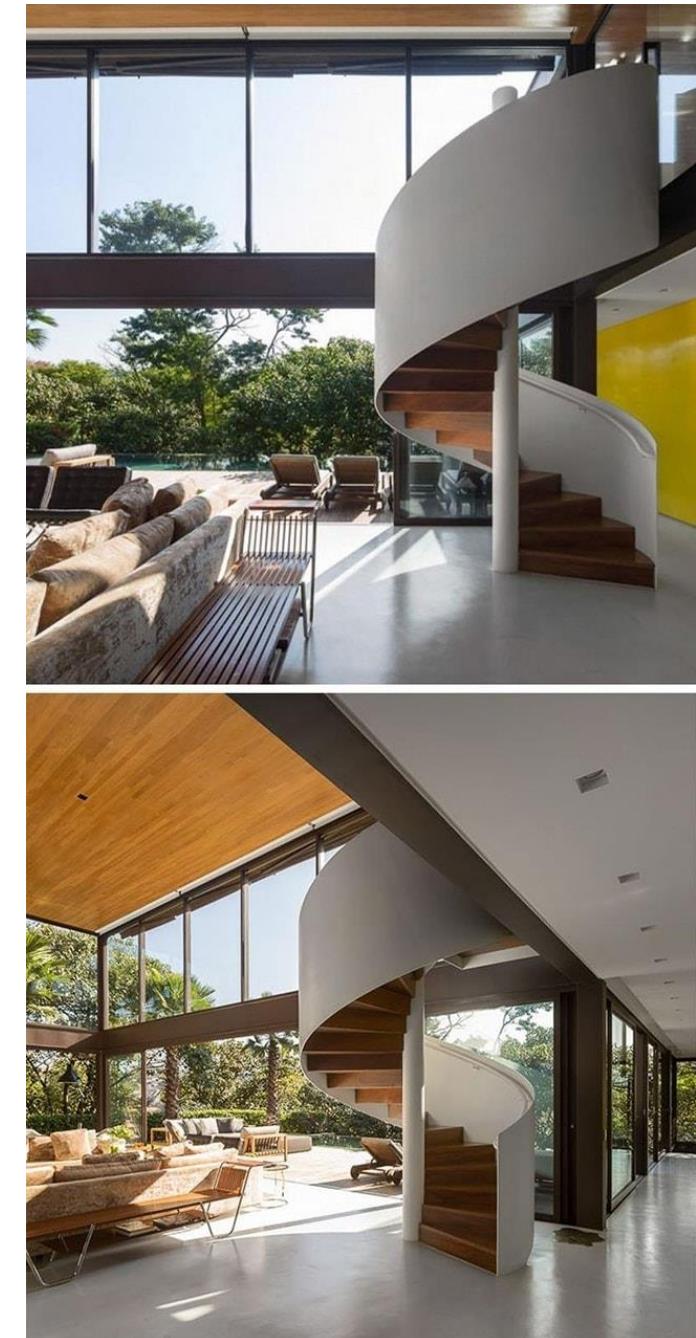


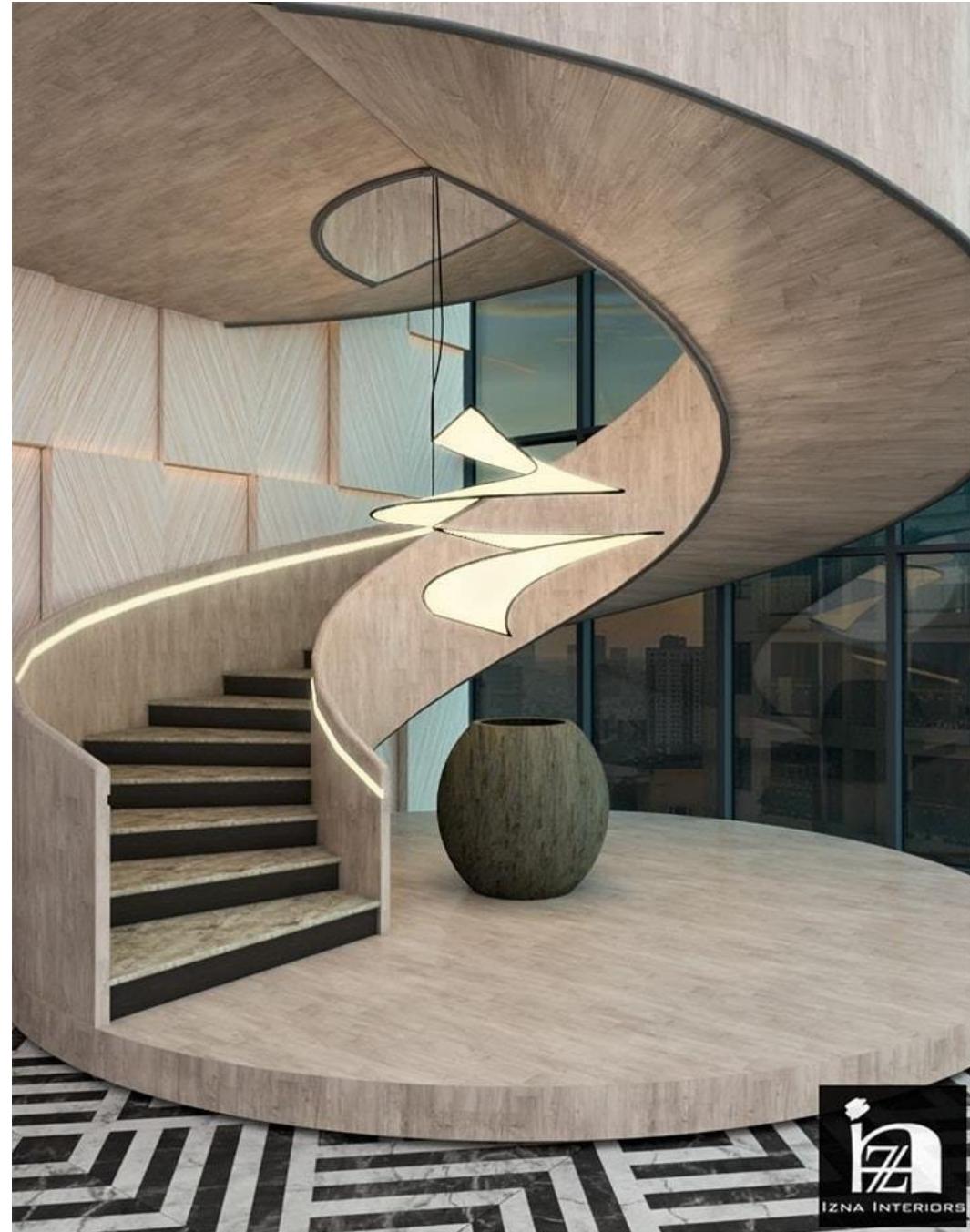








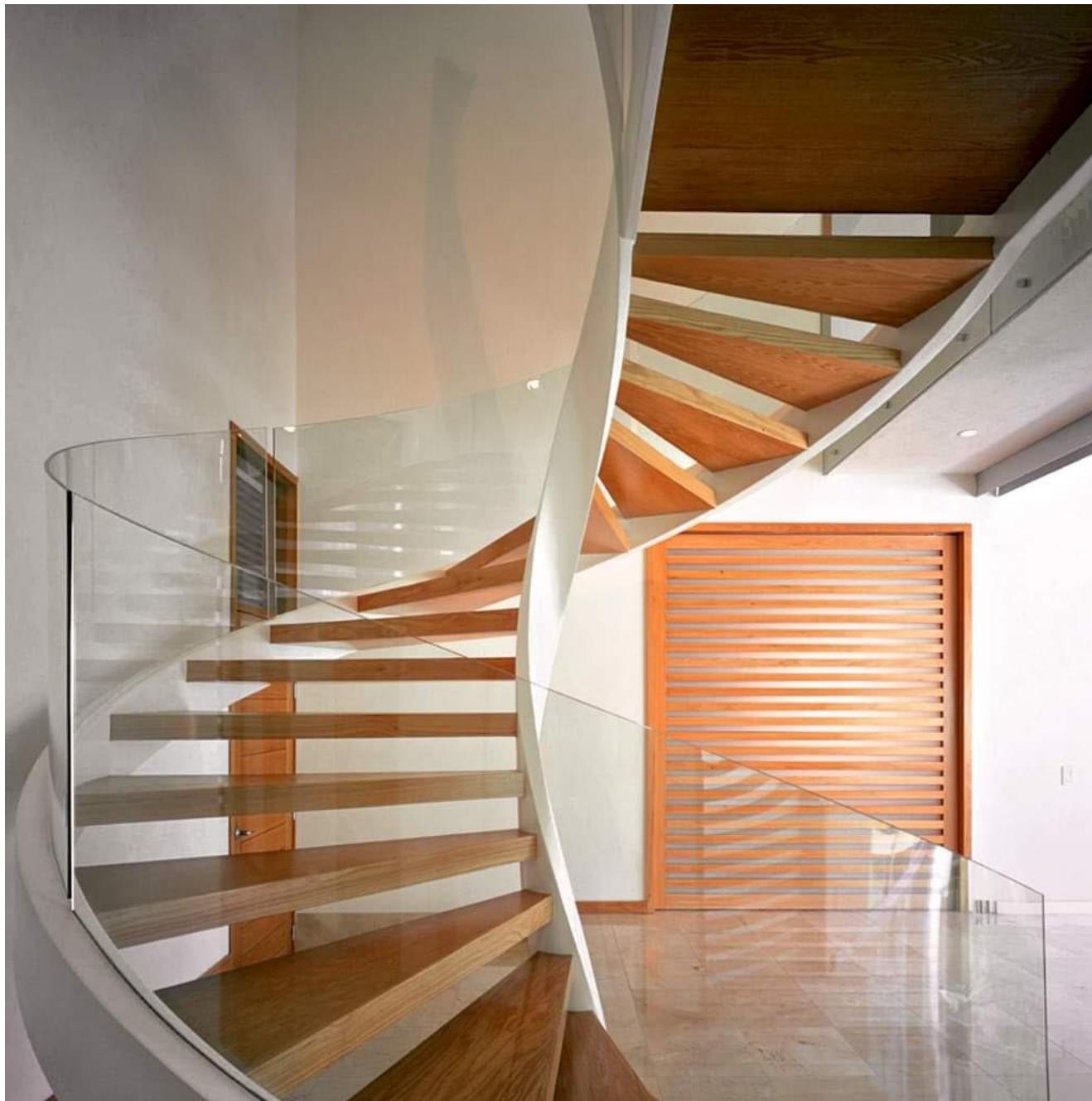


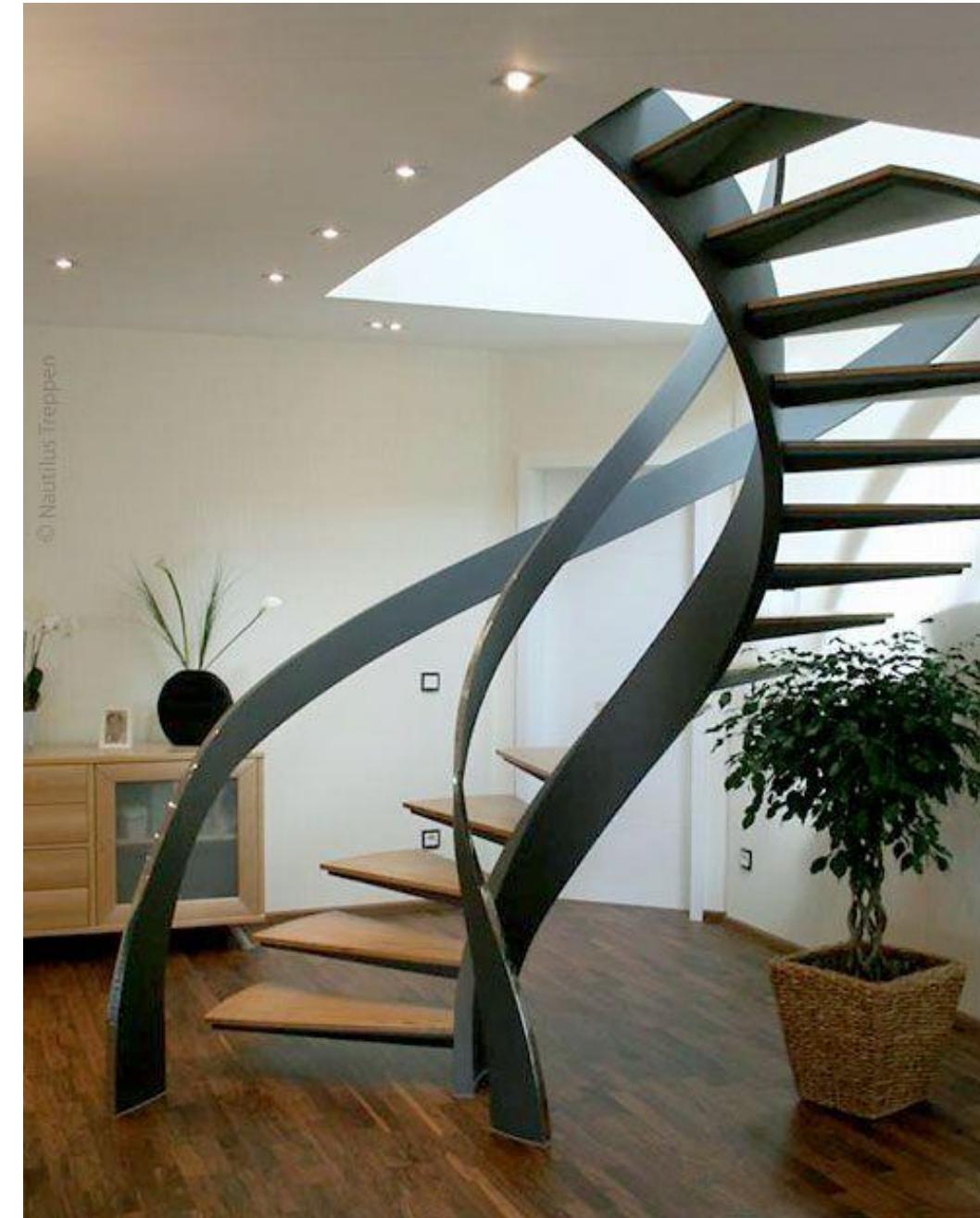




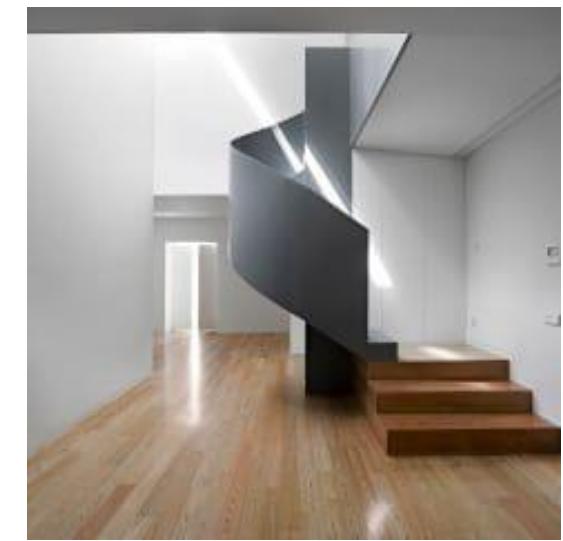




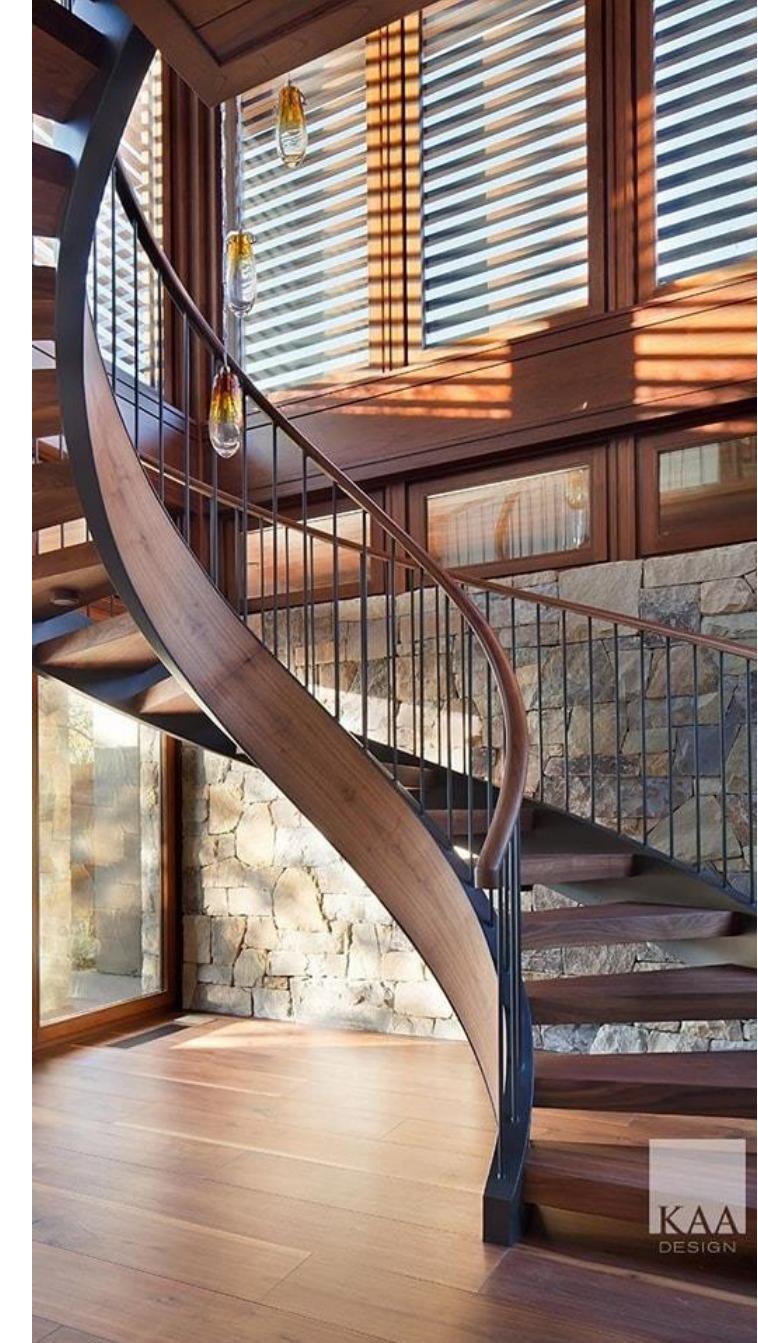
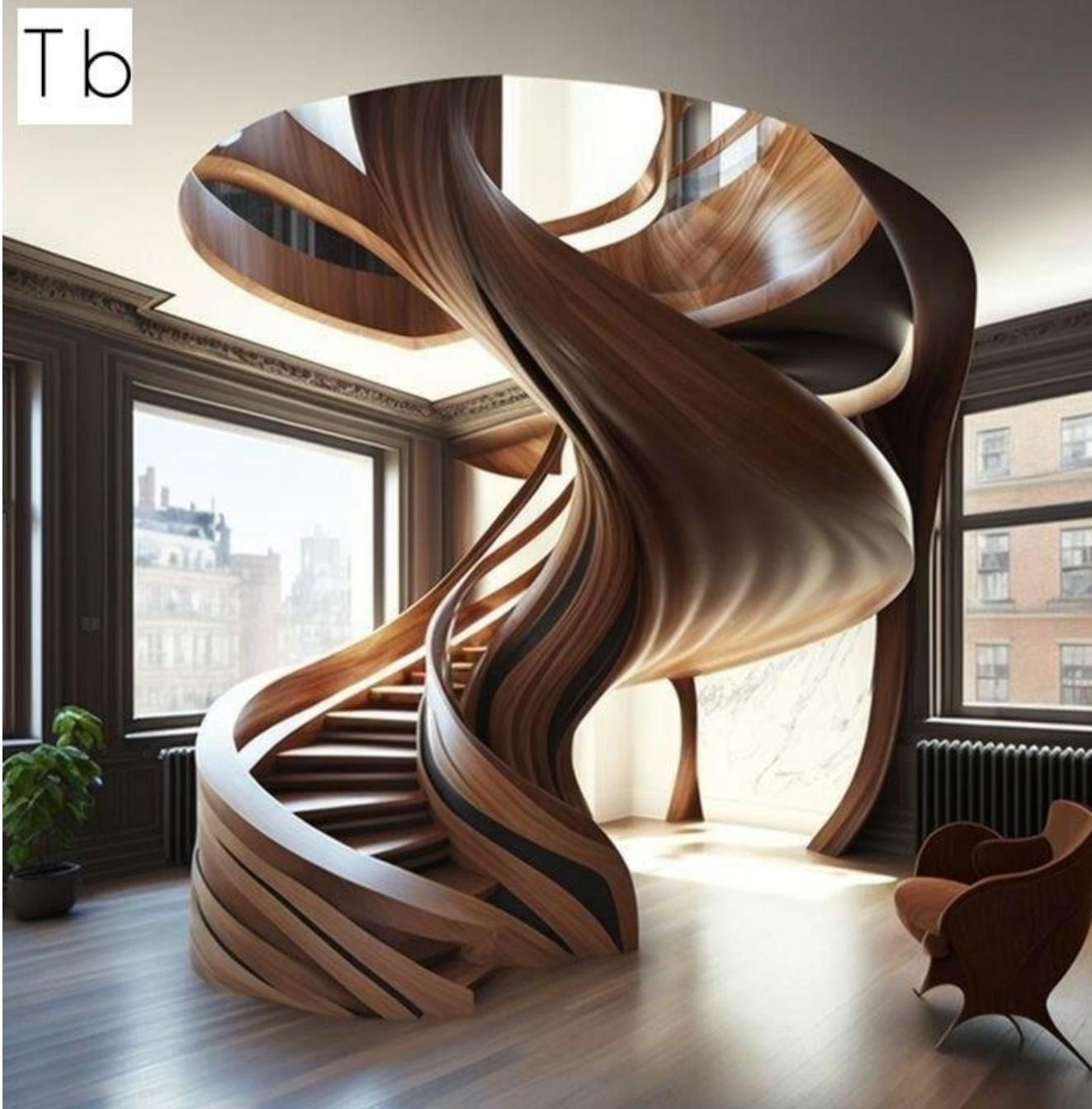








Tb



KAA
DESIGN



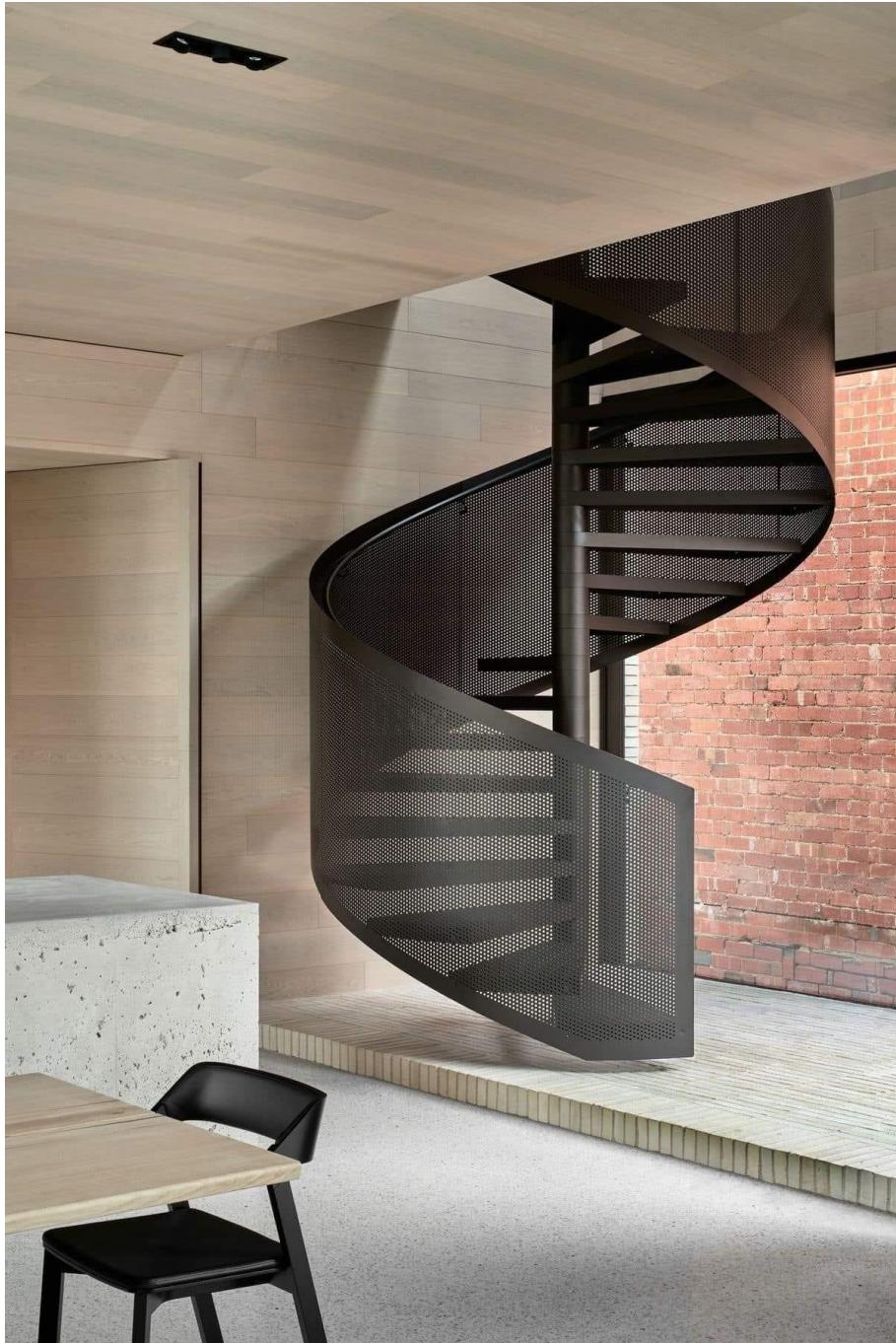




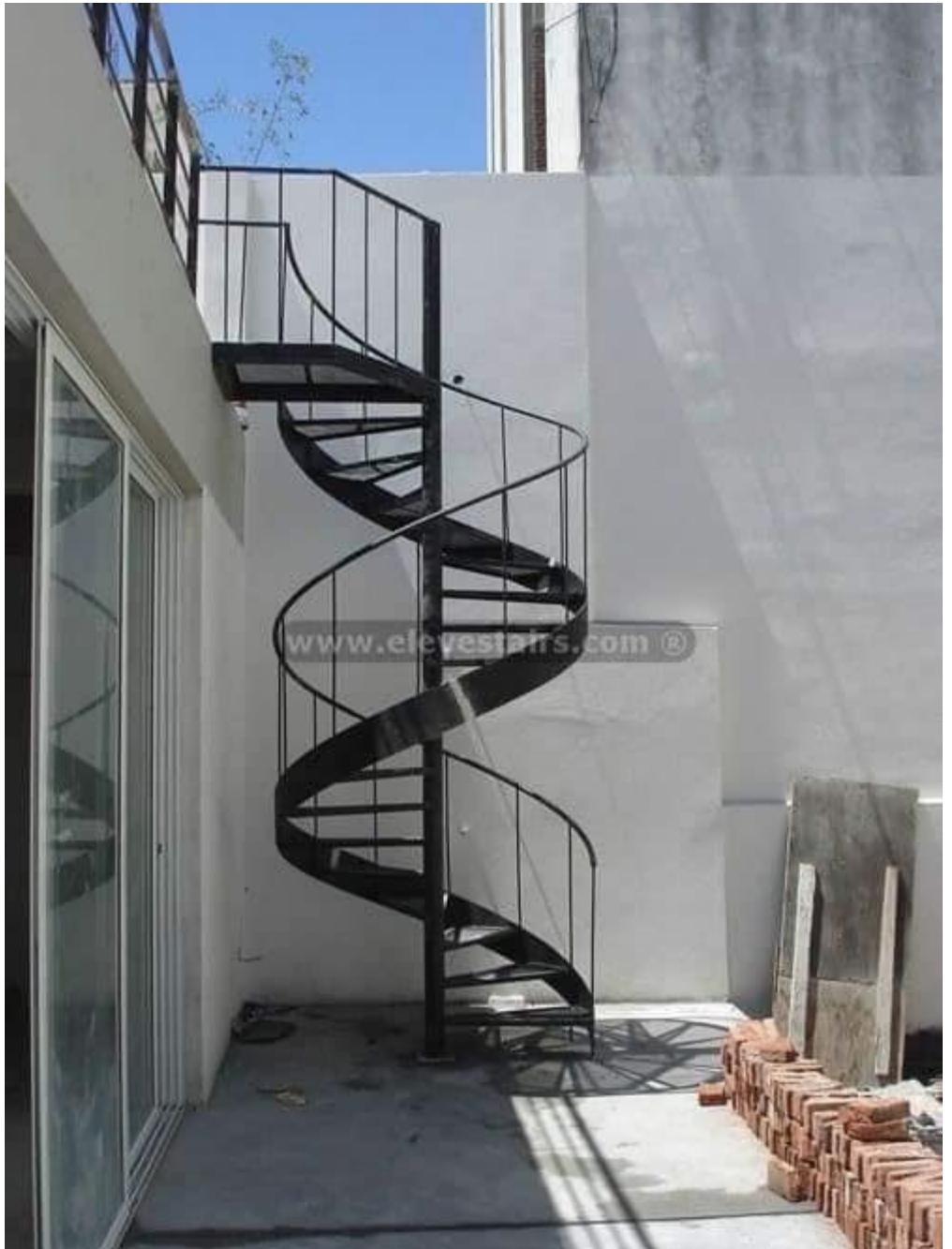
















Docentes Prof. Titular
Prof. JTP

Arq. JUAN CARLOS ALÉ
Arq. SILVIA SEGOVIA