



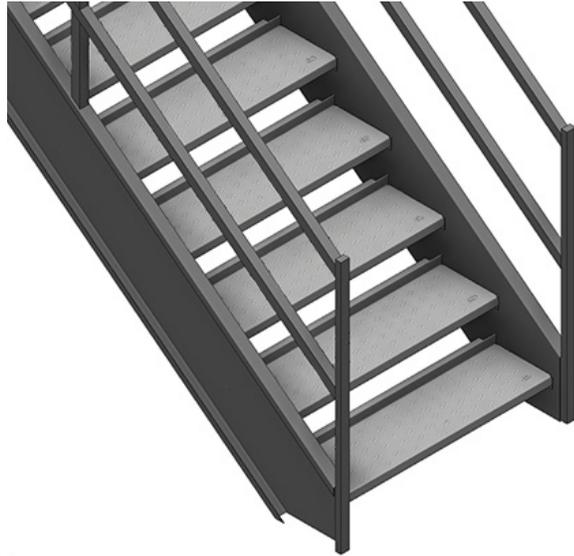
**Cogan**  
Since 1901



**Mezzanines**  
Increase Floor Space

cogan.com

## STAIRCASES



MODEL 1

### MODELS

#### Description

Cogan provides various model of staircases.

## PRODUCT INFORMATION

#### SPECIFICATIONS

Models Available	Model 1 = 2 Rails, 38° Angle, 8" Max Rise, 10" Min Run
	Model 2 = 3 Rails, 31° Angle, 7" Max Rise, 11" Min Run
	Model 3 = 3 Rails + Inner Handrail, 31° Angle, 7" Max Rise, 11" Min Run
	Model 4 = 2 Rails + Inner Handrail + Wire Mesh, Intergrated Panels, 31° Angle, 7" Max Rise, 11" Min Run

#### COLORS



Cogan Grey  
(Guard and Stringers)

Electro-Galvanized  
(Tread and Closed  
Risers)





**Cogan**  
Since 1901

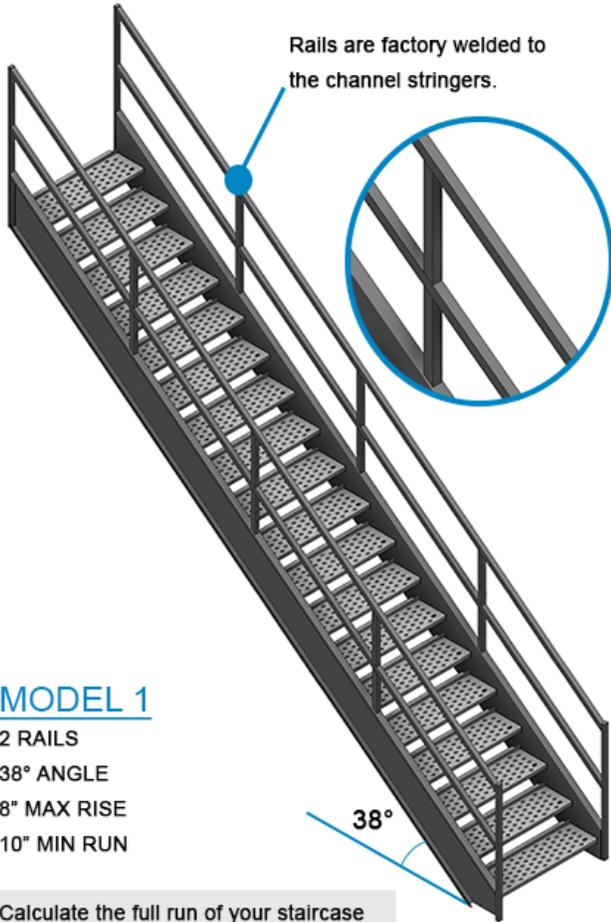


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# STAIRCASES

## DETAILS

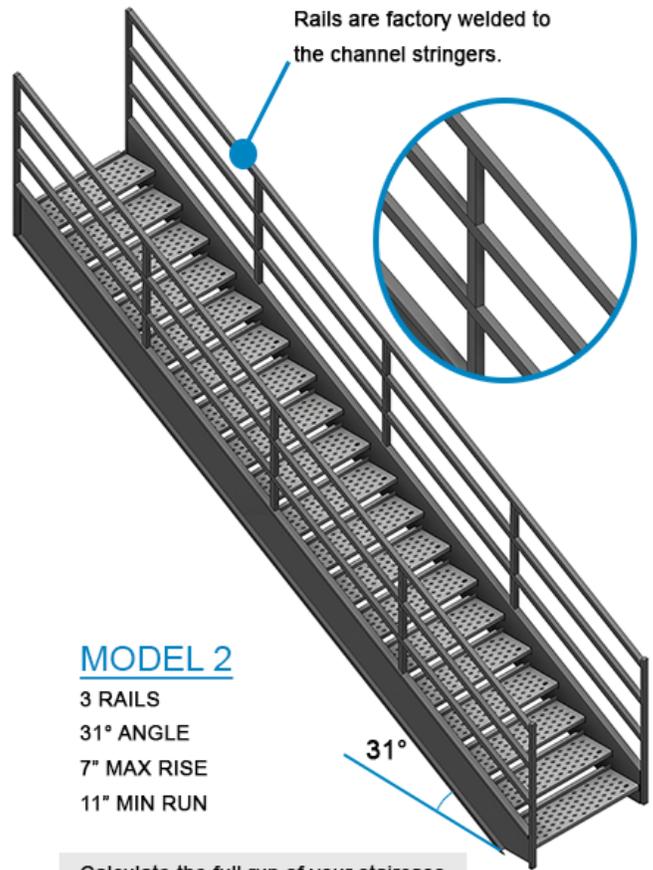


### MODEL 1

- 2 RAILS
- 38° ANGLE
- 8" MAX RISE
- 10" MIN RUN

Calculate the full run of your staircase using this simple formula:

Height of your mezzanine floor X 1.25



### MODEL 2

- 3 RAILS
- 31° ANGLE
- 7" MAX RISE
- 11" MIN RUN

Calculate the full run of your staircase using this simple formula:

Height of your mezzanine floor X 1.61



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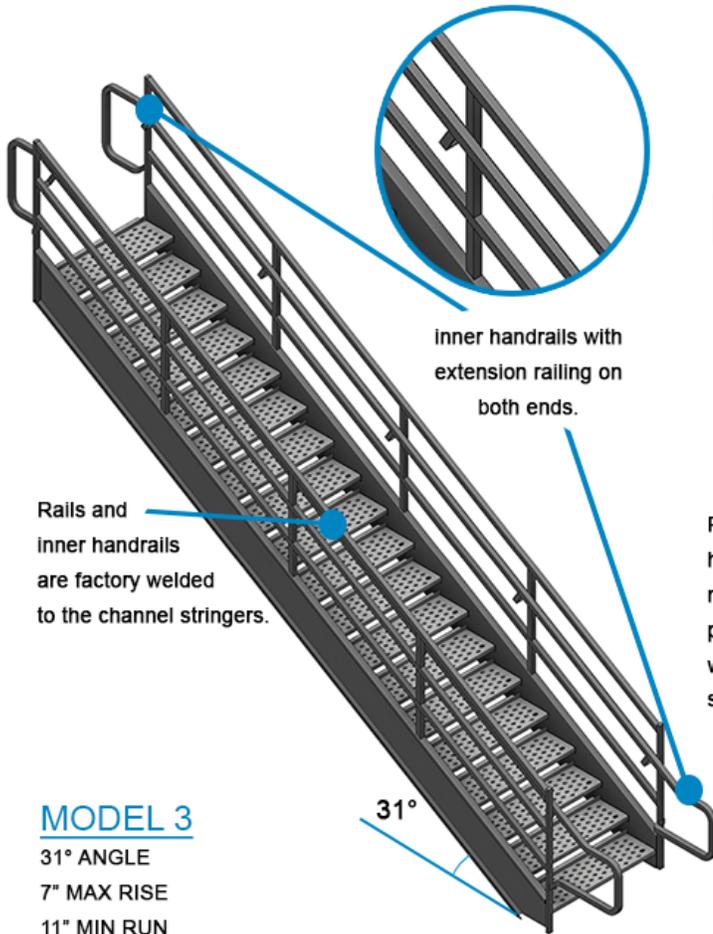


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Increase Floor Space

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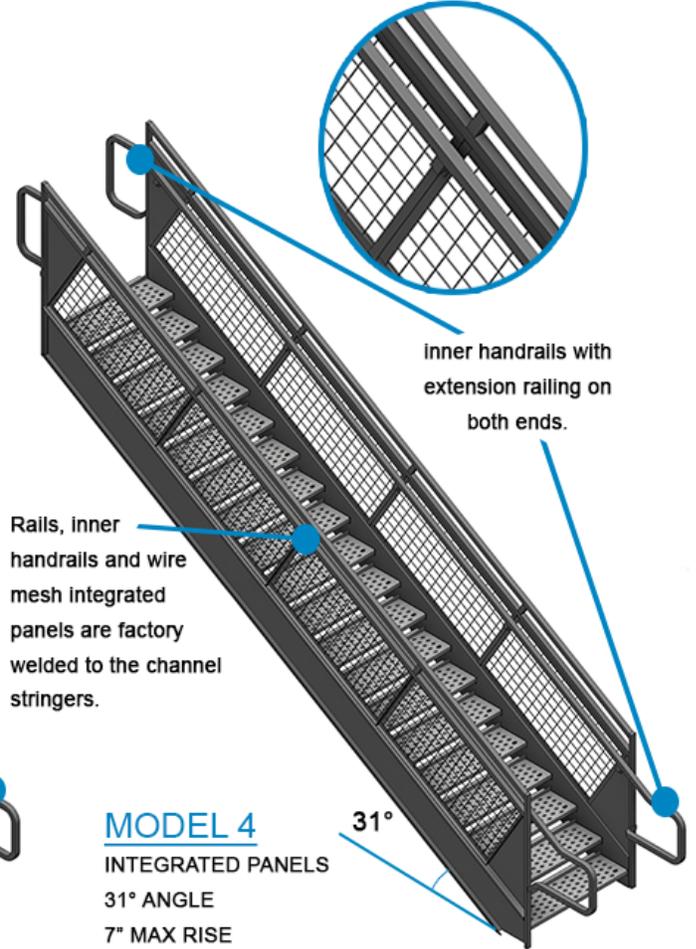
# STAIRCASES

## DETAILS



### MODEL 3

31° ANGLE  
7" MAX RISE  
11" MIN RUN  
3 RAIL + INNER HANDRAIL



### MODEL 4

INTEGRATED PANELS  
31° ANGLE  
7" MAX RISE  
11" MIN RUN  
2 RAIL + INNER HANDRAIL + WIRE MESH

Calculate the full run of your staircase using this simple formula:

Height of your mezzanine floor X 1.61  
(Add 22" at the bottom for the extension railing)

Calculate the full run of your staircase using this simple formula:

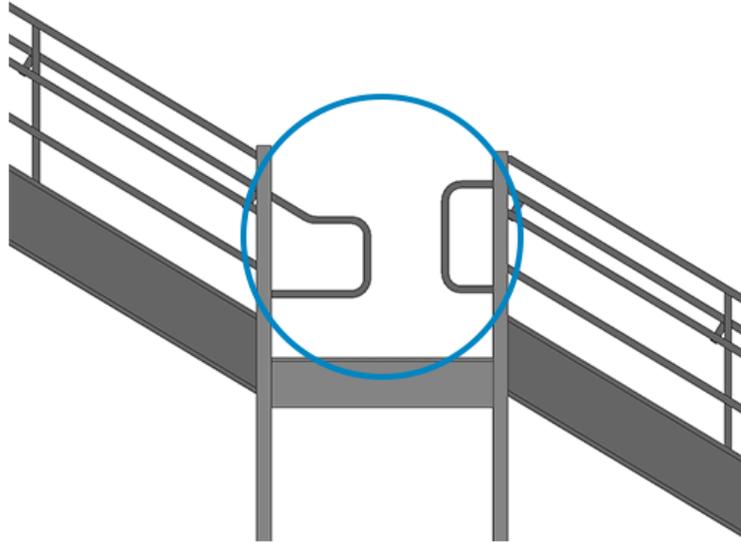
Height of your mezzanine floor X 1.61  
(Add 22" at the bottom for the extension railing)



**DETAILS**

INNER HANDRAIL EXTENSION DETAIL

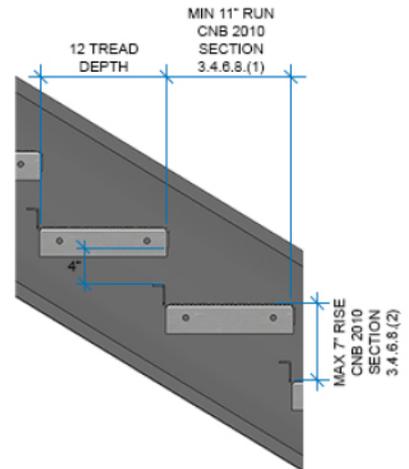
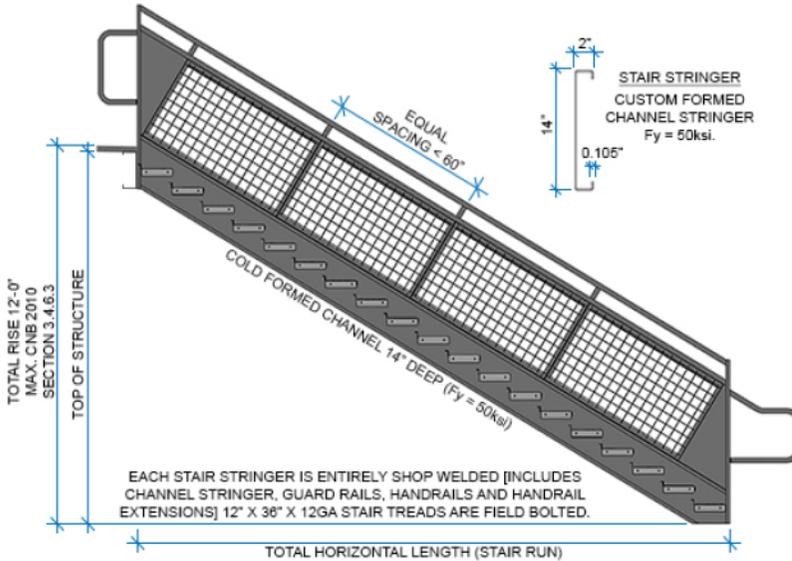
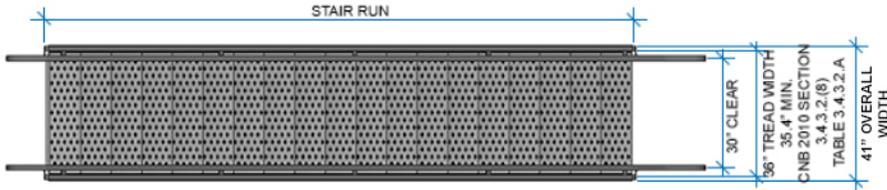
Top and bottom extension railings are not continuous



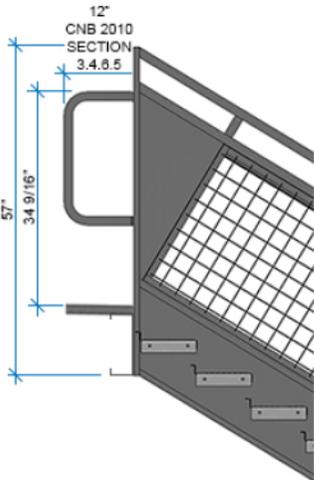


**CANADA NBC SPECIFICATION**

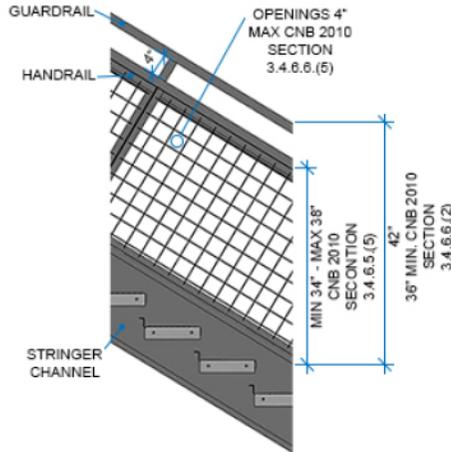
**CANADA NBC 2010**



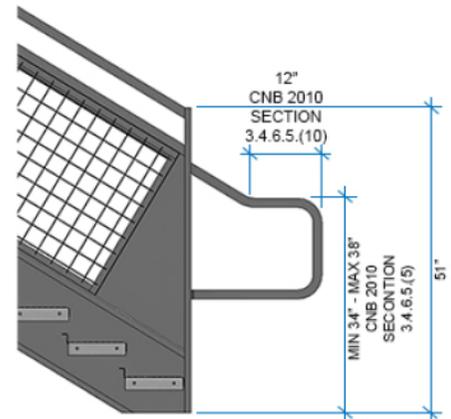
USE 3/8"Ø X 1" BOLTS TO FASTEN STEPS ONTO THE STRINGERS USING PRE-PUNCHED HOLES



UPPER HANDRAIL EXTENSION



ALL GUARDRAILS, GUARDRAIL UPRIGHTS AND HANDRAIL ARE HSS 1 1/2" X 1 1/2" X 16GA. THE ENTIRE SYSTEM [i.e. ALL GUARDRAILS, GUARDRAIL UPRIGHTS AND HANDRAILS] ARE SHOP WELDED TO THE CHANNEL STRINGER.

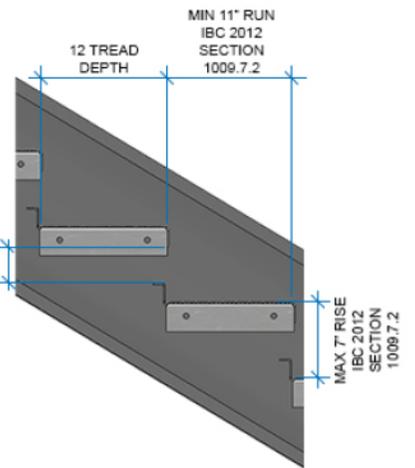
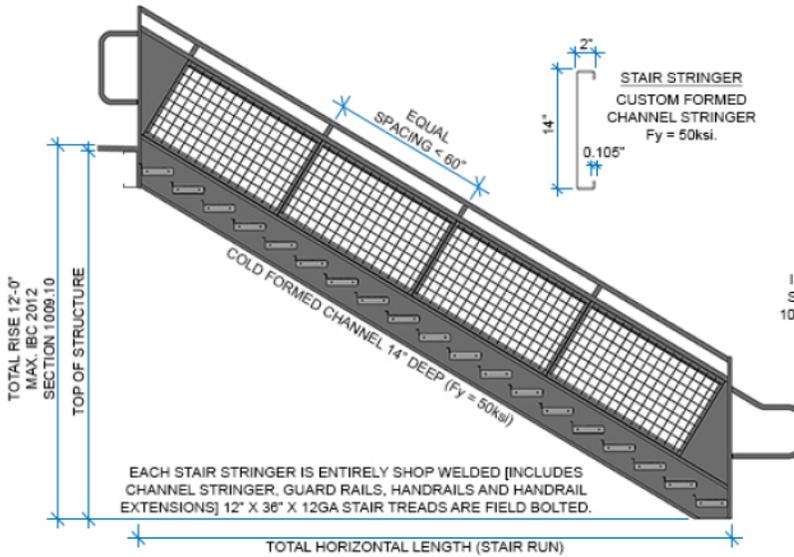
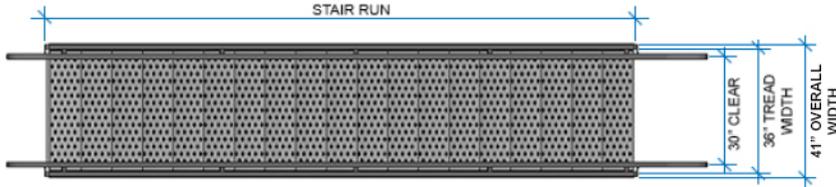


LOWER HANDRAIL EXTENSION

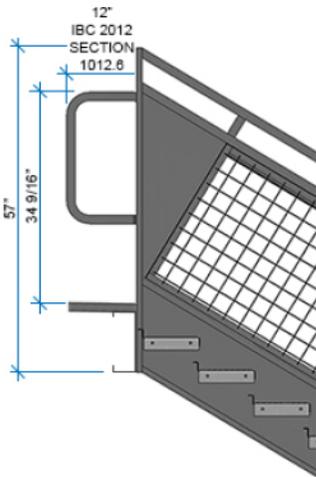


**USA IBC SPECIFICATION**

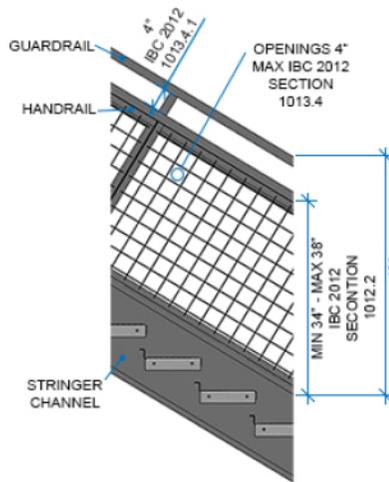
**USA IBC 2012**



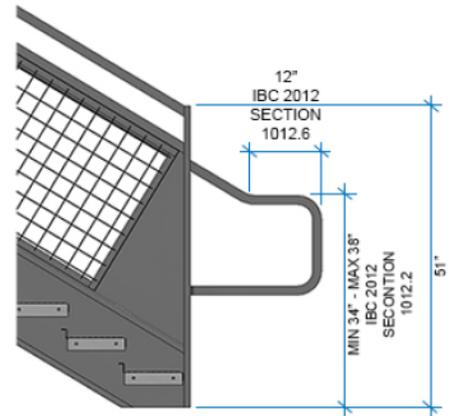
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UPPER HANDRAIL EXTENSION



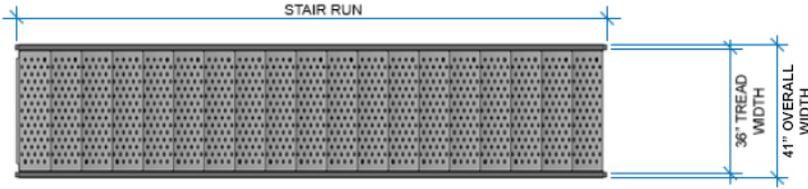
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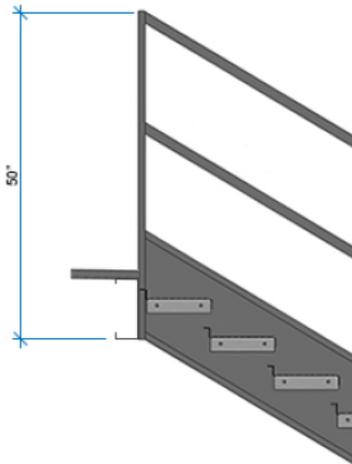
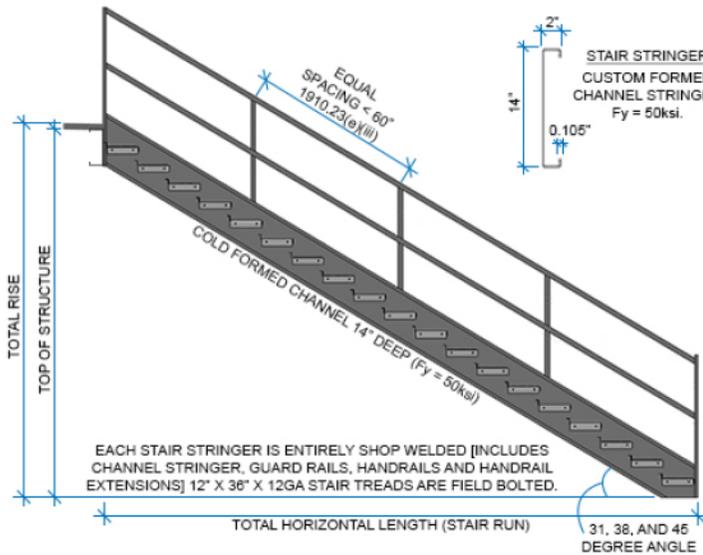
LOWER HANDRAIL EXTENSION



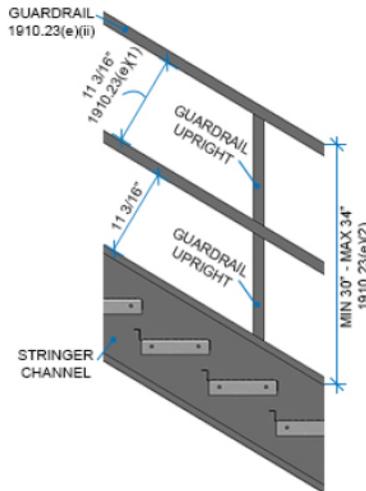
**USA OSHA SPECIFICATION**



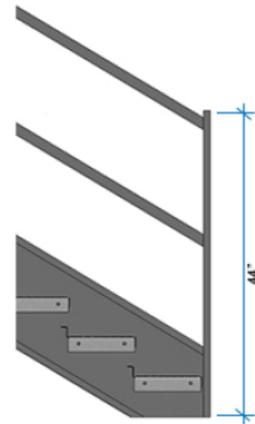
**USA OSHA - 1910**



UPPER HANDRAIL  
EXTENSION



ALL GUARDRAILS, GUARDRAIL  
UPRIGHTS AND HANDRAIL ARE  
HSS 1 1/2" X 1 1/2" X 16GA. THE  
ENTIRE SYSTEM [i.e. ALL  
GUARDRAILS, GUARDRAIL  
UPRIGHTS AND HANDRAILS] ARE  
SHOP WELDED TO THE CHANNEL  
STRINGER.



LOWER HANDRAIL  
EXTENSION