

Front Elevation

Stairs: 3923 mm · 15 treads

DRAWING NUMBER



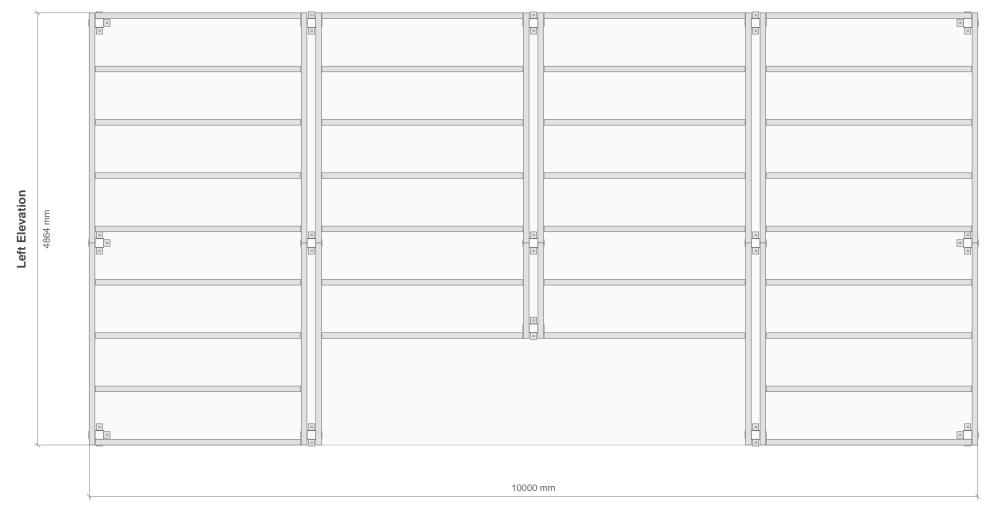
PROJECT:	PROJECT NUMBER:
Example 4864 x 10000 x 3000 3.0 kPa Mezzanine Floor	2989
CLIENT:	DRAWN BY:
Example Customer	dm3 Solutions
ADDRESS:	DRAWN DATE:
Example Street, Suburb WA 6000	2022-09-22

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Front Elevation



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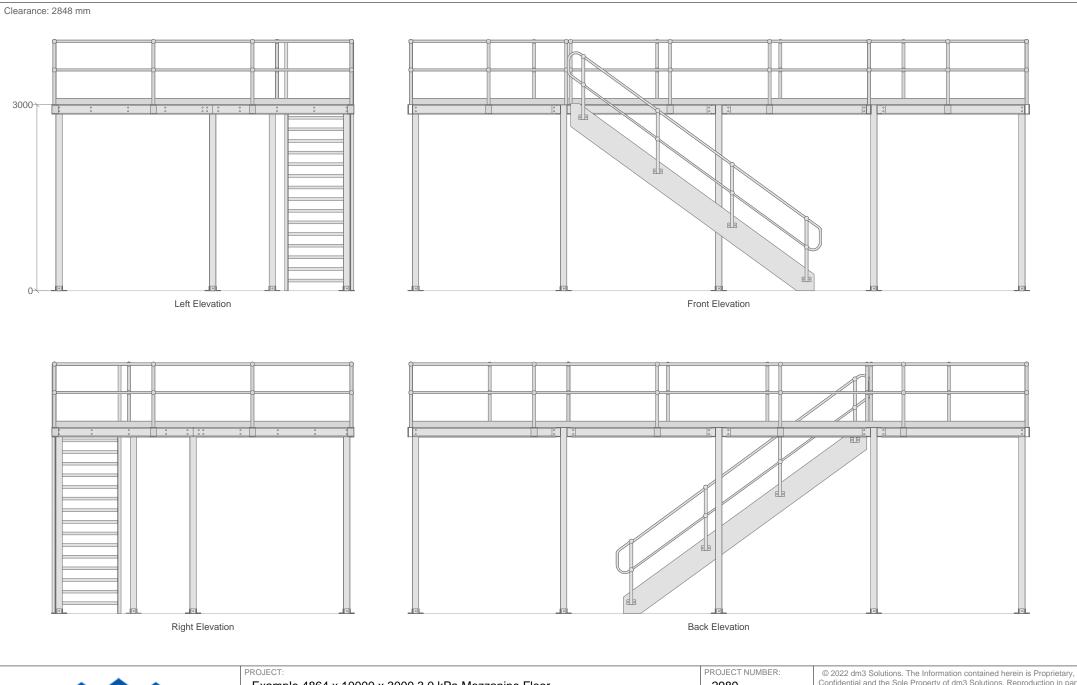
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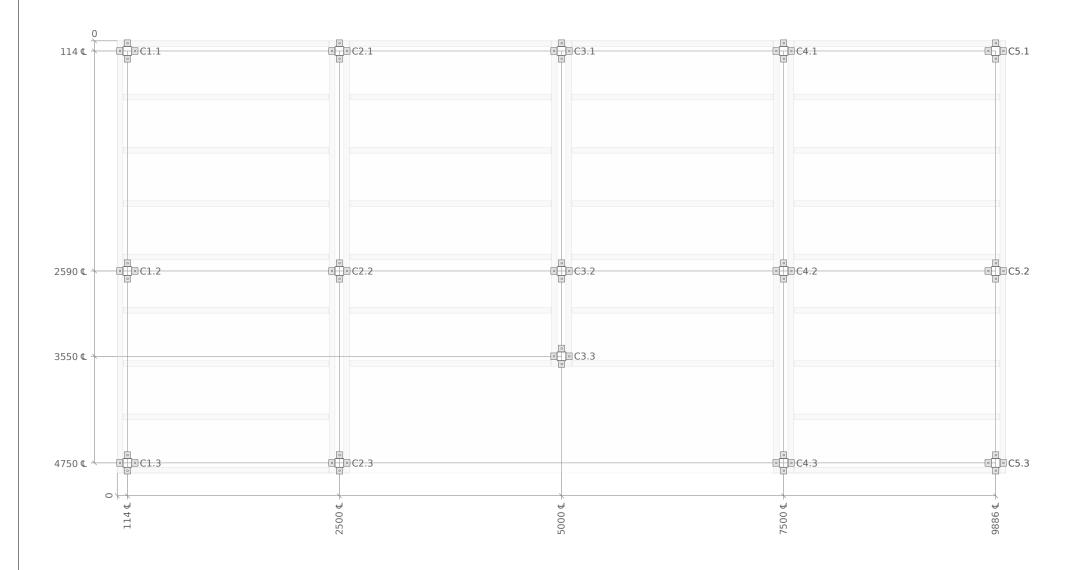
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	Example Street, Suburb WA 6000	2022-09-22	1	A4	NTS	3 of 5

Post Layout





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Example Street, Suburb WA 6000

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	Floor Specifications	In Plane Mezzanine
	7B	BCA Classification
6	4864 x 10000 x 3000	Dimensions
•	3.0 kPa · 300 kg/m ²	Design Load
	4.5 kN · 450 kg	Concentrated Action
6	Existing by others	Slab
U	1535.4 kg · Component Weights Itemised & Auditable	Mass
		Bearers
	BlueScope® G500 Hi-Tensile Cold Formed C Section	Product
0	4.3 mm over a 2386 mm Span	Maximum Deflection
	8.0 mm maximum permitted by the Australian Standards®	
	1.1 mm	Maximum Vibration
6	2.0 mm maximum permitted by the Australian Standards®	
	enters	loists at 600 mm Co
	BlueScope® G500 Hi-Tensile Cold Formed C Section	Product
6	1.6 mm over a 2242 mm Span	Maximum Deflection
	7.5 mm maximum permitted by the Australian Standards®	
	0.9 mm	Maximum Vibration
0	2.0 mm maximum permitted by the Australian Standards®	
		Posts
	OneSteel® Duragal® 100x100 SHS Grade C450L0	Product
6	Brackets on Slab	Footings
V	12.422 kN Required · 38.214 kN Provided	Raking Force
	ural Engineers	Independent Struct
	EDGE Consulting Engineers	Name
	www.edgece.com	Web

ADDRESS:

Example Street, Suburb WA 6000

Your Logo Here

The Smart Buyer's Guide

The 7 Essential Elements of an Australian Standards® Compliant Mezz

⊘ Certified G450 to G500 High Tensile Steel

Require The Steel Grade & Manufacturer in writing. Engineers need Certified Span Capacities like those published by BlueScope® to verify steel suitability.

Avoid Ungraded, untested or undocumented steel. Put Safety First.

Operation Certified as Australian Standards Compliant

Require The maximum Bearer & Joist Deflection in writing. Deflection, or sag under load, is critical & must be calculated for all Australian floors.

Avoid Undocumented Deflection. It is a simple calculation. Get it in writing.

Vibration Certified as Australian Standards® Compliant

Require The maximum Bearer & Joist Vibration in writing. Vibration, or bounce under load, is critical & must be calculated for all Australian floors.

Avoid Undocumented Vibration. It is a simple calculation. Get it in writing.

Raking Force exceeding 12.422 kN or 1242 kg

Require The exact amount of Raking Force required to keep the structure upright.

Raking Force is a critical requirement for all Australian Flooring.

Avoid Undocumented Raking Force. It's a simple calculation. Get it in writing.

C Section Bearers & Joists

Require C Sections due to their superior durability, strength & span capacities.

Avoid Top Hats & Top Span as they rarely satisfy Deflection & Vibration limits.

Product Mass of at least 1535 kg

Require The mass in kilograms. Our software optimises the use of steel. If a product is significantly lighter, it's non-compliant, unsafe & shouldn't be sold in Australia.

Avoid Undocumented mass. Remember, less steel = more profit. Always double check the weight on the Bill of Materials. People lie. Scales do not.

Structural Design Quality

Require An example of their Product Documentation. Know what you are getting! Ignore Sales Documentation & Salespeople. Look at their Product, not their Pitch.



DRAWN DATE:

2022-09-22

Australian Steel

SCALE:

NTS

DRAWING NUMBER

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ISSUE:

1

SIZE:

A4

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