



QwickBuild® Deck framing system

## QB-EH Installation Guide Mid height & Elevated decks



Mid height:  
160 - 250mm  
(6 1/2 - 10")



Elevated:  
From  
250mm  
(10")

## Contents

- Directory of Outdure installation guides
- Deck design & price planner overview
- QwickBuild advantages & overviews
- Definitions & assumptions
- Joist-beam common connections
- QwickBuild installation steps
- Mini catalogs, resources
- Disclaimer

Important Please read before starting for efficient and correct installation to protect your warranty.

Engineering: Information in this guide is for standard residential loadings. Commercial use installations may require different connection details, joist and beam spans.

Note: It is the responsibility of the installer and specifier to ensure correct spans and connection details.

# Directory of Outdure Installation Guides & Resources

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A. Download guides relevant to your deck height/s:

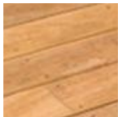
[QB-EH INSTALLATION GUIDE FOR MID HEIGHT & ELEVATED DECKS: From 160mm \(6 1/2"\)](#)

[QB-LH INSTALLATION GUIDE FOR LOW HEIGHT DECKS: 30 - 160mm \(1 1/4 - 6 1/2"\)](#)

B. Download guides relevant to your deck surface/s:



[QB-CD INSTALLATION GUIDE FOR COMPOSITE DECKING ON QWICKBUILD](#)



[QB-HW INSTALLATION GUIDE FOR HARDWOOD TIMBER DECKING ON QWICKBUILD](#)



[QB-TI INSTALLATION GUIDE FOR EXTERIOR TILES ON QWICKBUILD](#)



[QB-TU INSTALLATION GUIDE FOR SYNTHETIC TURF ON QWICKBUILD](#)

C. Download relevant standard construction details files from over 120 details including: stairs/steps, railing connections, curves, hatches, planter boxes, seating benches, spa + pool details, ramps and more

<https://www.outdure.com/resources>

D. Spans will be automatically calculated to suit your intended project structure type using our deckplanner software. For a full comprehensive list of span tables refer to

<https://www.outdure.com/resources>

E. Refer to relevant literature including: brochures, warranties, maintenance guides and schedules, TwistClip compatibility, Global GreenTag certification and more

<https://www.outdure.com/resources>

F. For installation videos and product information

<https://www.youtube.com/@outdure>

# Design & quantify your deck & frame in minutes with Outdure's deck planner tool

The easy-to-use online tool simplifies the process removing complexities, inefficiencies & guesswork. Ideal for everyone, from pro contractors to homeowners. No training required or software to download.

Easily compare the material quantities required. Surface options include tiles for deck areas, timber decking and most composite board brands. Sub-structure options include Outdure's QwickBuild aluminum framing system or traditional sub-frames.



## Design

Simply enter your project information to get started on your deck design, or have our team do it for you.



## Configure

Compare surface layouts and frame + support options, all calculated to deck height and substrate.



## Review

Refine your deck design, review your pricing and select your preferred option.



## Download

Confirm your order details to receive your customized project information pack.

## Your customized project information pack includes:

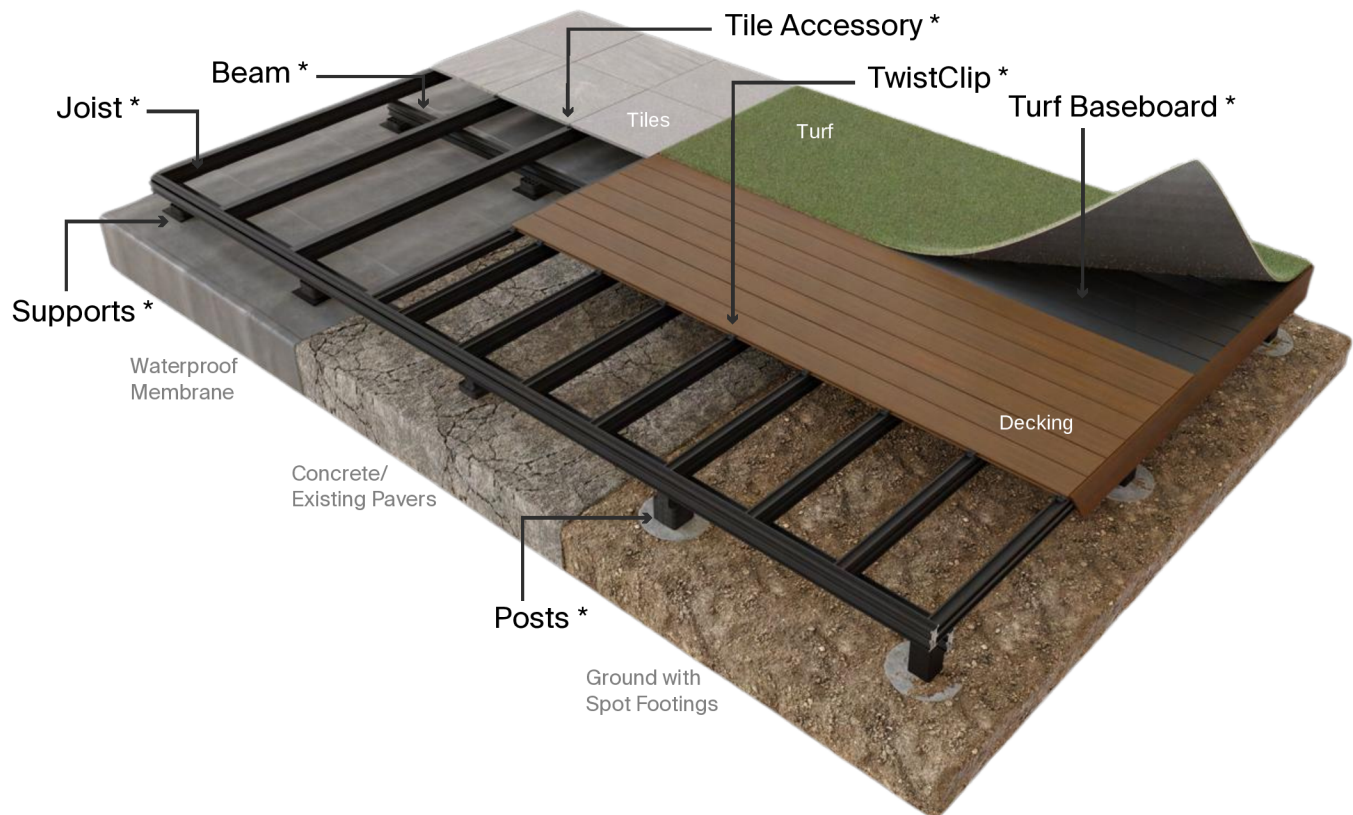
- |                       |                                                    |
|-----------------------|----------------------------------------------------|
| • Shopping list       | Itemized list and prices of all materials required |
| • Design              | Easy-to-follow layout for your chosen deck surface |
| • Engineering         | Structure layouts for joists, beams and supports   |
| • Installation guide  | Step-by-step overview                              |
| • Product information | Brochures for your selected ranges                 |

Deck planner 

## QwickBuild exclusive advantages

- Modular Easy to install components, configurable to suit all decks
- All surfaces Supports timber decking, leading composite brands, tiles, turf
- All heights A range of joist-beam profiles for ultra-low to elevated decks
- All substrates Build your deck over concrete, pavers, waterproof membrane, natural ground
- All projects Ideal for all specifications from simple residential to complex commercial decks
- Optimized Leading design and quantification tech for framing, supports and chosen deck surface

## System components\* + deck surfaces



# QwickBuild structure + substrates & heights



## QwickBuild deck heights

From the top of substrate to the top of joist

Note: The finished deck height (FDL), is from the top of substrate to the top of surface



Low height:  
30 - 160mm (1 1/4 - 6 1/2")  
A100, A110, A120



Mid height:  
160 - 250mm (6 1/2 - 10")  
A120, A130, A140

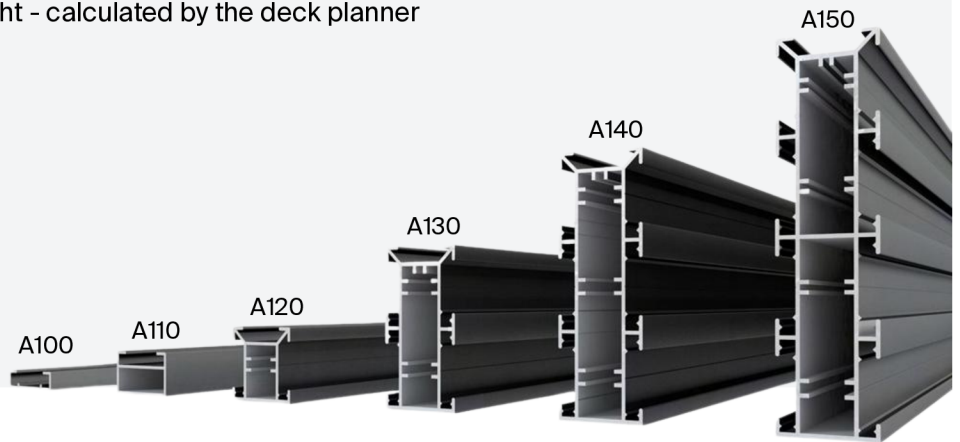


Elevated:  
From 250mm (10")  
A130, A140, A150

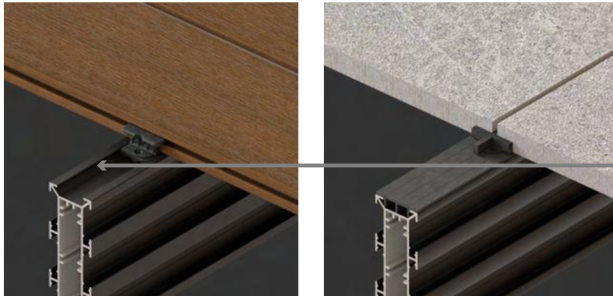
# Range of aluminum joist-beams profiles

Configurable to suit all deck height - calculated by the deck planner

A100	13 x 45	2 x 1/2"
A110	28 x 45	2 x 1"
A120	45 x 45	2 x 2"
A130	90 x 45	2 x 4"
A140	135 x 45	2 x 6"
A150	180 x 45	2 x 8"



## One system, for all surfaces



Channel edge of joist up for:

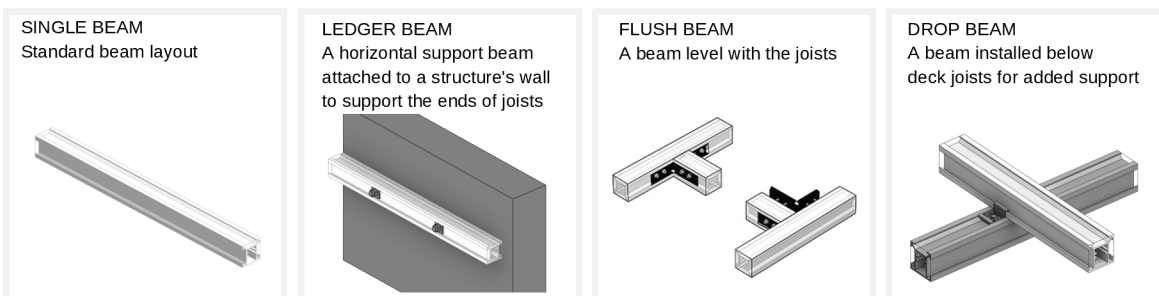
- Decking boards with a side groove to fit TwistClips
- Tiles stabilized with QwickBuild tile accessories
- Turf on QwickBuild aluminum baseboards
- Exterior tiles fixed with QwickBuild tile accessories
- QwickGrates and Anti-Slip strips with snap mount integration



Flat edge of joist up for:

- Top fixing hardwood timber decking
- Composite decking fixed with screws

# Beam structure types



# A130 QwickBuild common connections overview

A201 ALTERNATING (X2)

JOIST TO END PLATE  
(NON LOAD BEARING)  
FIG-001 - A130

A201 (X4)

JOIST TO  
FLUSH BEAM  
FIG-002 - A130

A201 (X2)

JOIST OR BEAM  
CORNER  
FIG-004 - A130

A205

A401-50X (X2)  
JOIST-DOUBLE (FOR BOARD JOIN)  
FIG-006 - A130

A201 (X2)  
ALTERNATING BEND  
TO SUIT

JOIST TO END PLATE  
ANGLED (EG 45°)  
FIG-003 - A130

A202 (X4)

JOIST OR BEAM JOIN  
END TO END  
FIG-010 - A130

A204 (X2)  
X2 PER JOIST TO  
BEAM CONNECTION

JOIST ON DROP BEAM  
FIG-014 - A130

A130

JOIST BREAKER BOARD -  
LADDER FRAME  
FIG-008/B - A130

A130

JOIST PICTURE FRAME -  
LADDER FRAME  
FIG-007/B - A130

A201

JOIST COLUMN /  
POST / DOWNPIPE  
FIG-009 - A130

A100

A110

A120

A130

A140

A150

2X0.5	2X1	2X2	2X4	2X6	2X8
13X45	28X45	45X45	90X45	135X45	180X45

## Beam structure types

SINGLE BEAM

Standard beam layout

LEDGER BEAM

A horizontal support beam attached to a structure's wall to support the ends of joists

FLUSH BEAM

A beam level with the joists

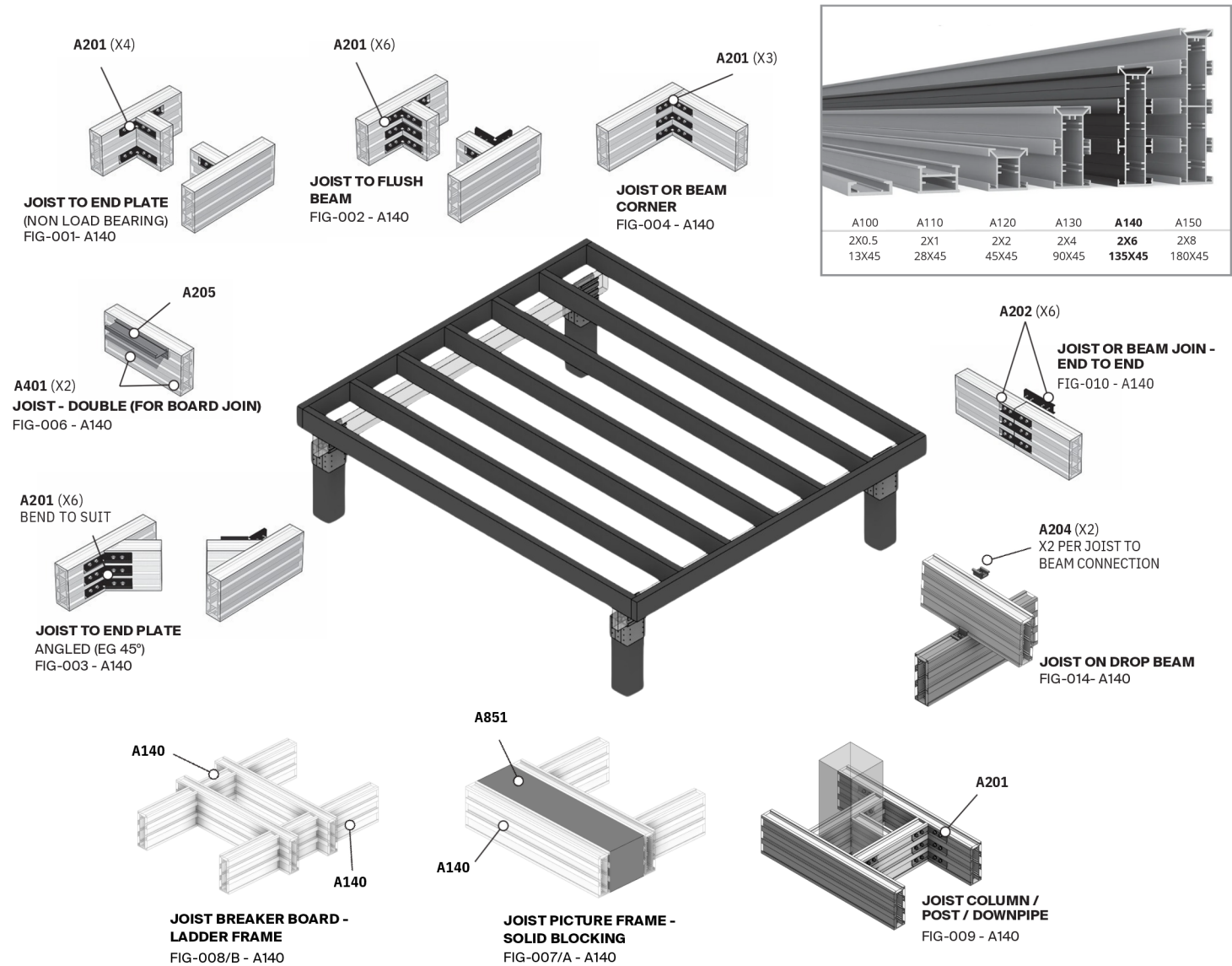
DROP BEAM

A beam installed below deck joists for added support

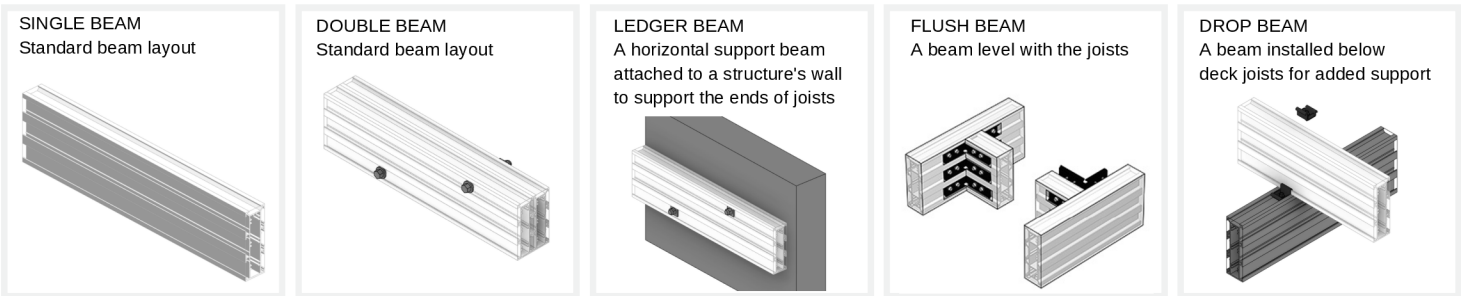
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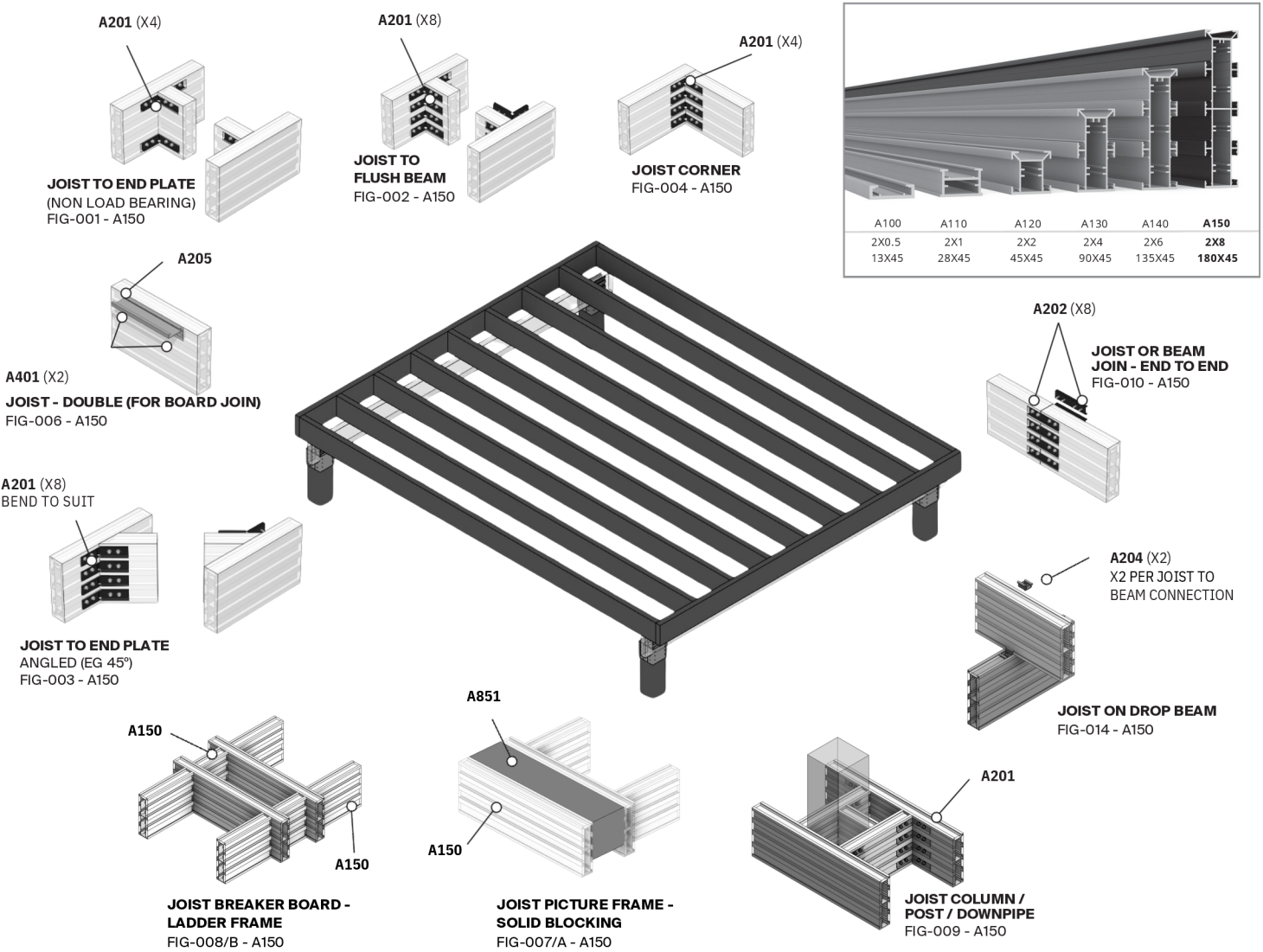
# A140 QwickBuild common connections overview



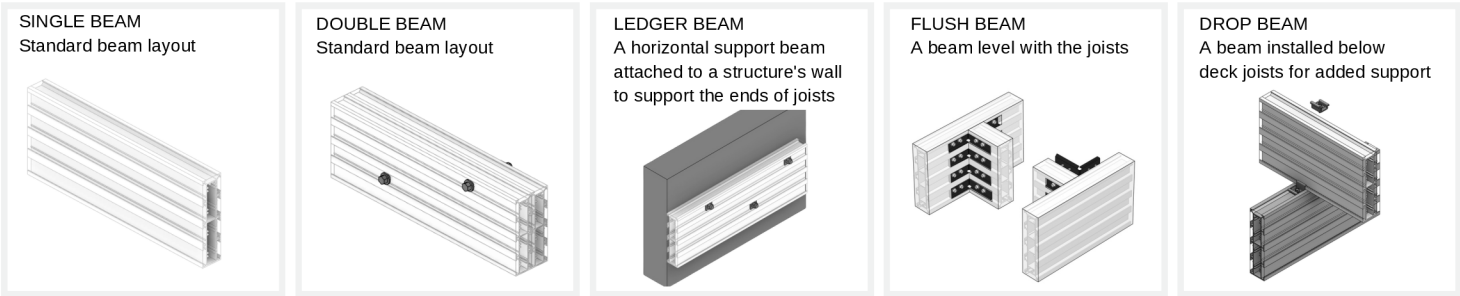
## Beam structure types



# A150 QwickBuild common connections overview



## Beam structure types



# QwickBuild installation procedure Mid height & elevated decks

Based on the project information you have provided, the deck planner generates a customized deck plan for your specific site. Please also refer to these steps for installing a generic QwickBuild project.

## TOOLS REQUIRED\*



DRILL



CLAMP



SAW HORSES



SILVER PEN



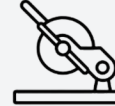
MALLET



LEVEL TOOL



MEASURING TAPE



METAL CUTTING SAW



SQUARE

## SAFETY EQUIPMENT REQUIRED\*



SAFETY GOGGLES



EAR PROTECTION



SAFETY GLOVES



CLOSE-TOED SHOES



BROOM



FIRST AID KIT

\*SUGGESTED BUT NOT LIMITED TO

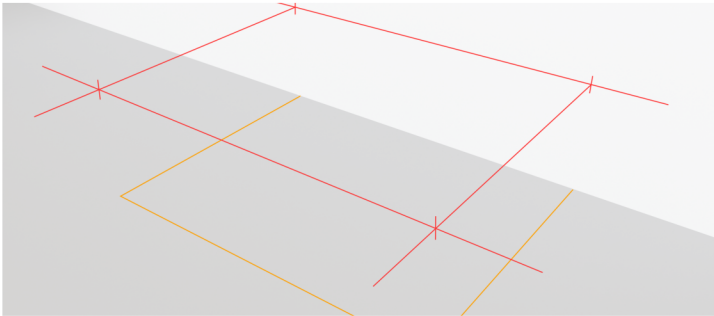
## Preparation & prestart checks\*

- Ensure the site is clean, level, and free from debris.
- Confirm the subfloor or ground is structurally sound and suitable for the framing system.
- Read all installation information
- Review structure design layout

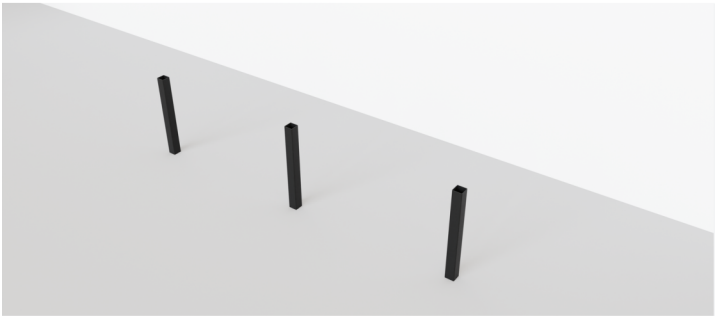
If you are unsure of any details contact Outdure's technical team before starting your project. Failure to follow installation guides and details as per specifications will void any warranty.

# Step-by-step installation Overview

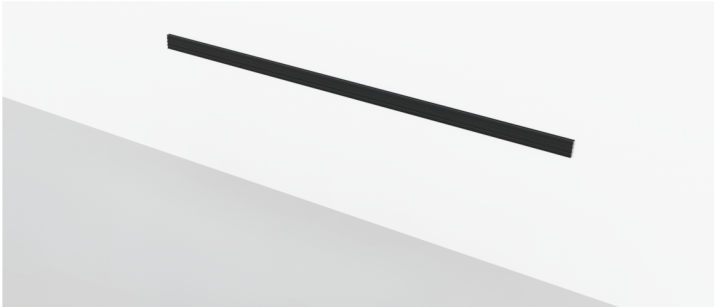
Step 1 - Setout



Step 2 - Supports / Posts



Step 3 - Ledger



Step 4 - Beam



Step 5 - Joist



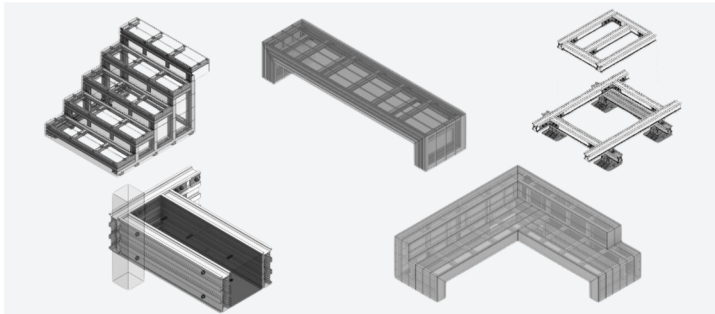
Step 6 - Bracing / blocking



Step 7 - Solid Blocking

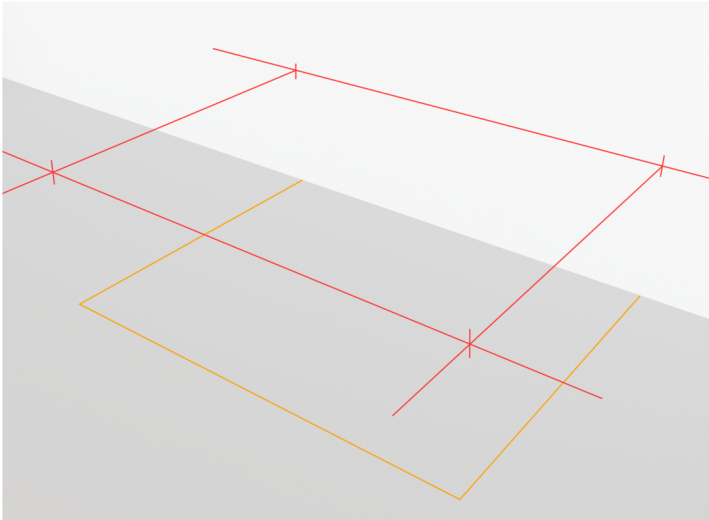


Step 8 - Additional Items



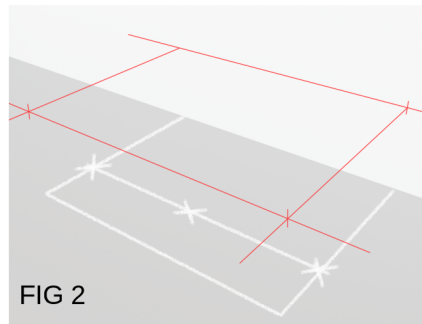
## Step-by-step installation

# Step 1 - Setout



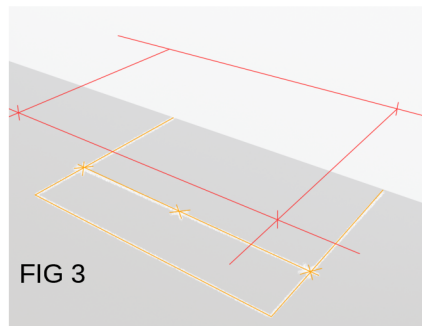
1. Use a chalk/string line or laser line to mark the outer edges of the structure on the ground or subfloor. Ensure corners are set at 90° angles.

FIG 1



2. Mark according to the provided deck plan the centre of the desired footing locations.

FIG 2



3. Double-check measurements to ensure accuracy.

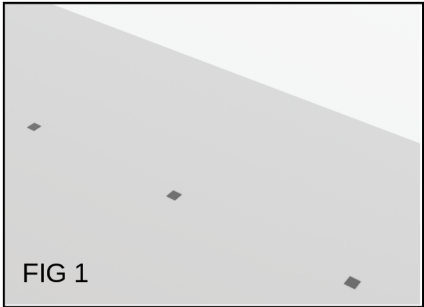
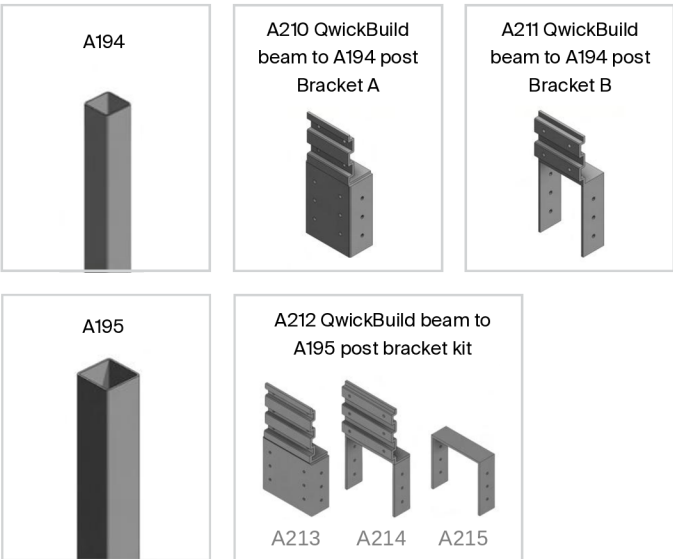
FIG 3

## Step-by-step installation

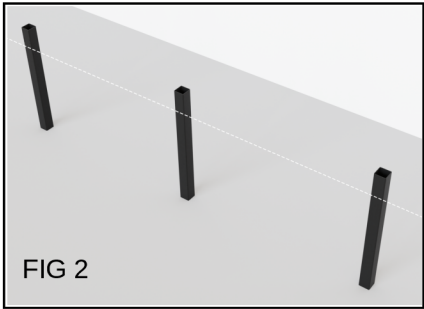
# Step 2 - Supports / Posts



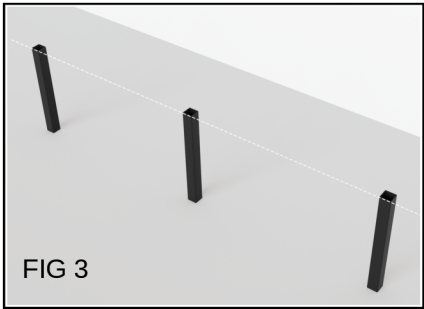
## QWICKBUILD POST COMPONENTS



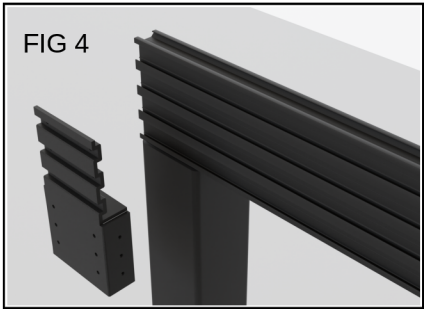
1. Place either QwickBuild or Simpson Strong-Tie post bolt down on to marked layout then fix only one connection point down to allow slight movement till beams are in position.



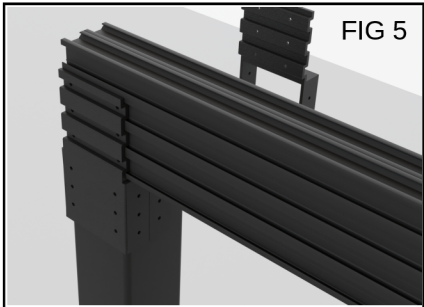
2. Place QwickBuild posts on top and mark with the silver pen finished deck level (FDL) of your deck, minus the joist, beam, and surface height. Ensure both posts are level/plumb for your deck structure. Tip: Refer to the height of the ledger plate



3. Cut QwickBuild posts/supports using a cutting saw to the desired height marked above. Then install A194/A195 QwickBuild posts back on post bolt downs screwing off with A402. Ensuring posts are still plumb.



4. Install one front bracket from A212 or A210 beam to post bracket onto the top of posts in preparation for beams.



5. Rear Beam to post bracket and post cap (where applicable) to be installed after beam has been installed.

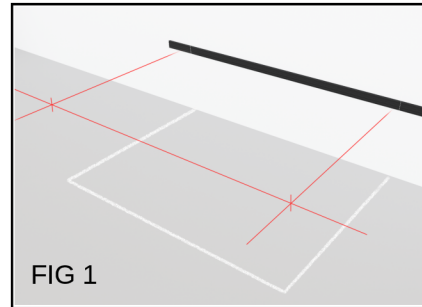
6. Drill a 5mm (1/4") hole into the bottom of all QwickBuild posts to allow any excess water to drain.

More Support details SD900 

## Step-by-step installation

# Step 3

## Ledger



1. Cut the ribbon/ledger plate to the desired measurement. Refer to the deckplans or shop drawings provided.



2. Pre-drill at alternating heights the cut profile to suit your connecting fixings.



3. Connect the ribbon/ledger plate to the building structure at desired height, using fixing approved by your local engineer.



4. Joist to ledger connection detail will look similar to this detail depending on what joist will be used.

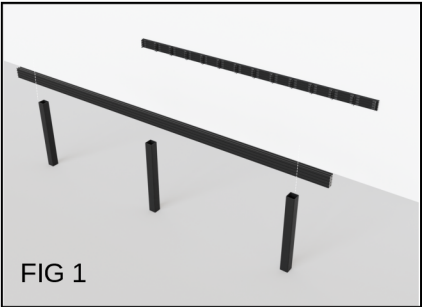
[More Ledger details SD100](#)



Step-by-step installation

# Step 4

## Beam



1. Mark and cut beam/s to desired length using a cutting saw.



2. Place beam/s onto beam to post bracket insuring positioning of beam is in the correct location.

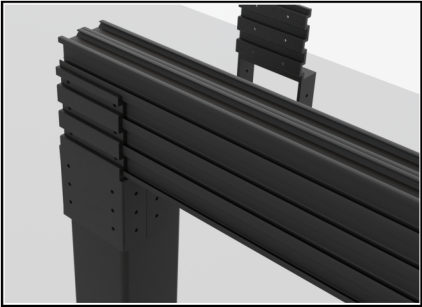
### QWICKBUILD POST COMPONENTS

**Single Beam**  
Standard beam layout

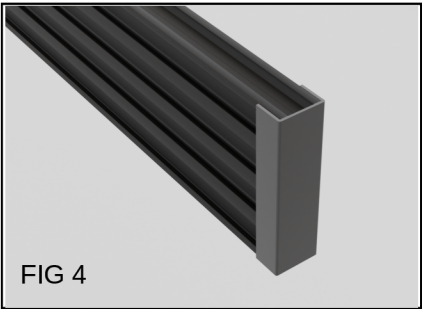
**Double Beam**  
A double beam is two beams fastened together for extra strength.

**Flush Beam**  
A flush beam is a beam level with the joists in a deck.

**Drop Beam**  
A drop beam is a beam installed below the deck joists for added support.



3. Use unused Qwickbuild A212 or A211 back bracket to connect beam to post connection. Repeating this process for all posts to beam connections.



4. Install Qwickbuild A220 beam cap on all beams opening if applicable.

More **Beam** details SD160

## Step-by-step installation

# Step 5 / A - Joist (For Drop Beam)



## Beam Structure Type

### Drop Beam

A drop beam is a beam installed below the deck joists for added support.

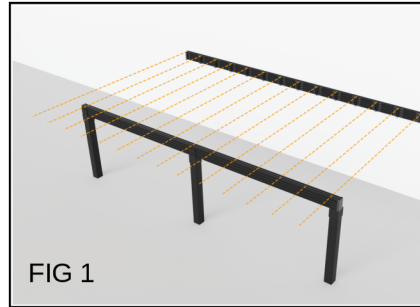


FIG 1

1. Use tape measure and Silver pen to mark along drop beam and ledger plate joist positions be sure to follow the correct joist centres for your structure design.

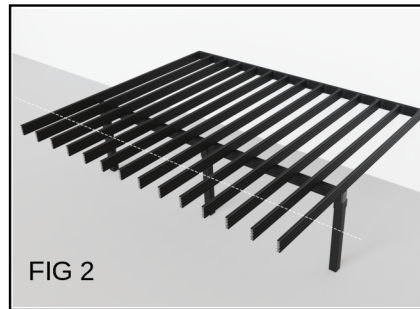


FIG 2

2. Cut joists using a metal cutting saw to specified length. Repeating this process for all joists required ( Make sure to confirm onsite measurements and surface manufacture specs are the same as the deck plans )



FIG 3

3. Position joists onto beam/s installing A201 90. brackets to connect joists with ribbon/ledger plate with supplied fixings. Refer to frame components and common connections for details for specific requirements per Qwickbuild joist profile.

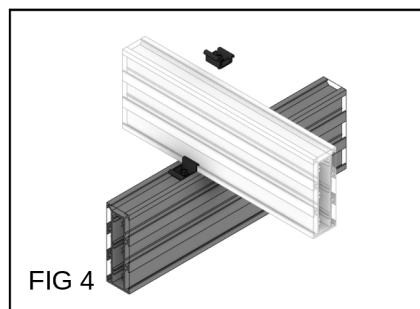


FIG 4

4. Use A203 joist anchor to fix joists to beam/s. Refer to frame components and common connections for details for specific requirements per Qwickbuild joist profile.



FIG 5

5. Finally cut and install rim/ boundary joist to joists using A201 90 brackets. Refer to frame components and common connections for details for specific requirements per Qwickbuild profile.

More Beam details SD160



More Joist details SD165



## Step-by-step installation

## Step 5 / B

## Joist (For Flush Beam)



## Beam Structure Type

## Flush Beam

A flush beam is a beam level with the joists in a deck.

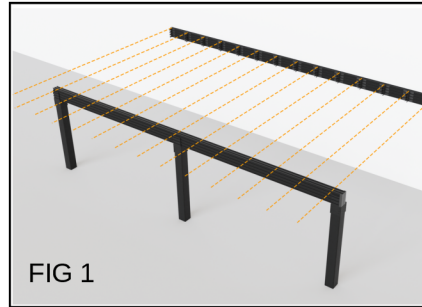
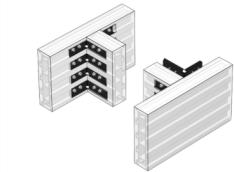


FIG 1

1. Use tape measure and Silver pen to mark along flush beam and ledger plate joist positions be sure to follow the correct joist centres for your selected surface.

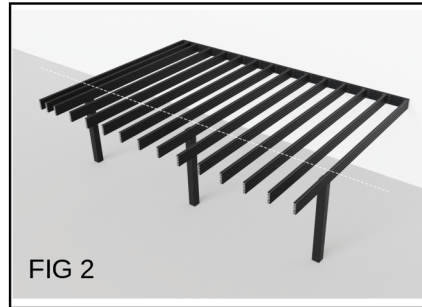
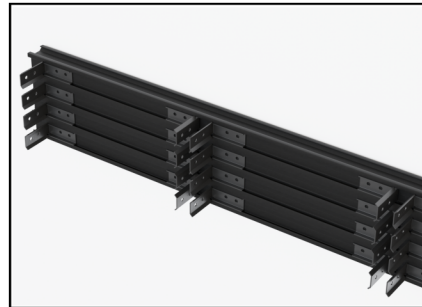


FIG 2

2. Following the deckplanner provided cut joists using a metal cutting saw to required length. Repeating this process for all joists required ( Make sure to confirm onsite measurements and surface manufacture specs are the same as the deckplans)



3. Place joists inbetween beam/s connecting A201 90. brackets to connect joists with ribbon/ledger plate with supplied fixings. Refer to frame components and common connections for details for specific requirements per Qwickbuild profile

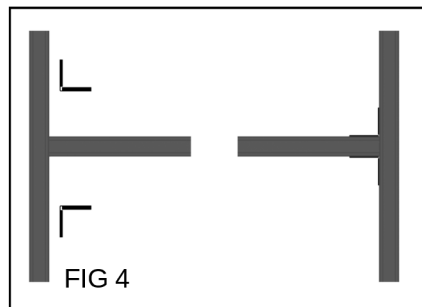


FIG 4

4. Lift Joists into location sliding A201 90. brackets into joists for temporary hold while you screw brackets off.



5. Finally ensure all components are fully screwed off as per requirements.

More [Beam](#) details SD160



More [Joist](#) details SD165



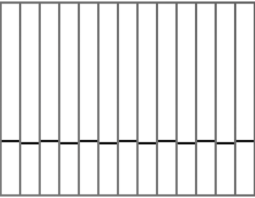
Step-by-step installation

# Step 6 / A - Bracing (Lateral Bracing )

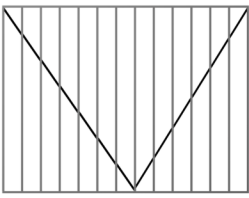


Bracing Types  
Engineer or local building surveyor to advice requirements

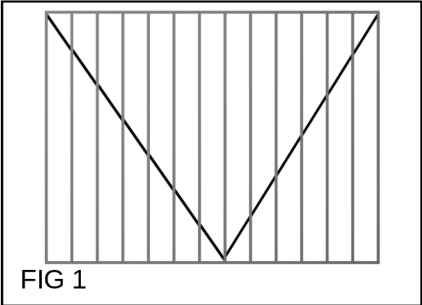
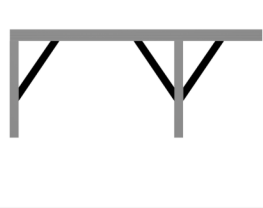
Joist blocking



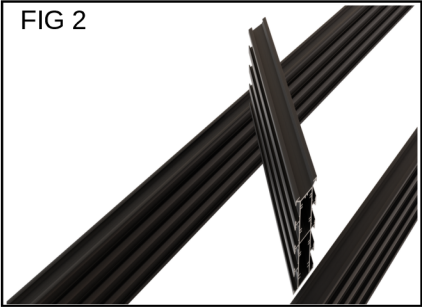
Lateral bracing



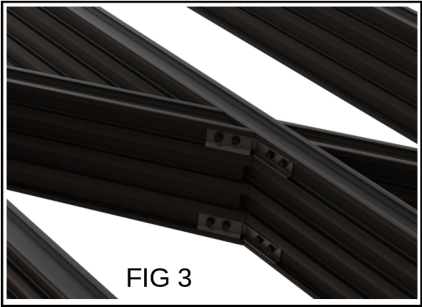
Haunch bracing



1. Mark out position/location according to requirements set by local building surveyor or licensed engineer. Typically this is diagonally from front to back of structure.



3. Cut Qwickbuild framing on a 45. angle at the length required between joist centres from point to point.



4. Install A201 90 brackets into cut profiles bending to a 45. angle and install into subframe.

More **Bracing** details SD190

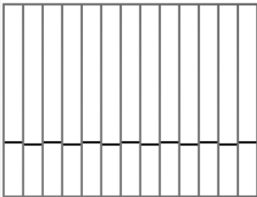
Step-by-step installation

# Step 6 / B - Bracing ( Joist Blocking )

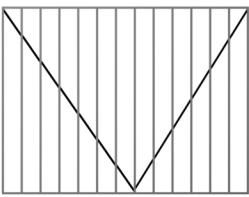


Bracing Types  
Engineer or local building surveyor to advice requirements

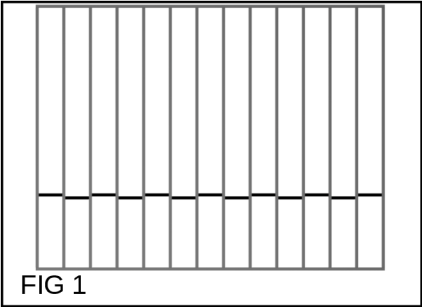
Joist blocking



Lateral bracing



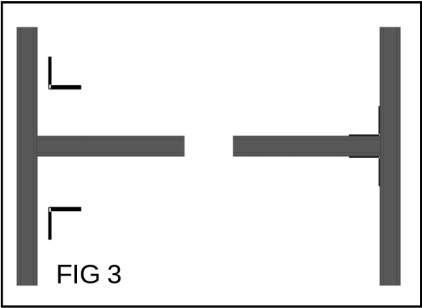
Haunch bracing



1. Mark out position/location according to requirements set by local building surveyor or licensed engineer. Typically this is over the beam alternating either side of centre.



2. Where possible cut blocking from Qwickbuild cut offs to fit between joists.

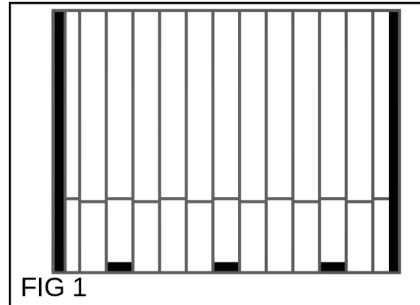
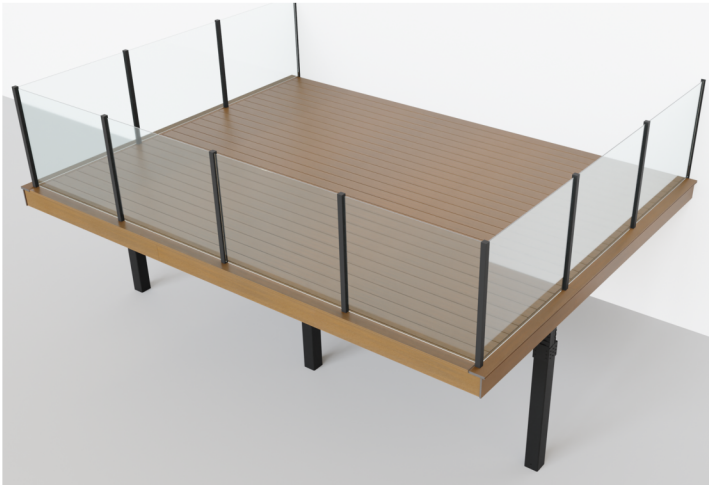


3. Preload A201 90 brackets into cut profiles and install into deck structure.

More **Bracing** details SD190

## Step-by-step installation

## Step 7 - Handrail/Railing blocking



1. Determine where A851 solid blocking will be required. Refer to SD850 for engineered detailed Qwickbuild solid blocking options.



2. Cut A851 solid blocking using a circular saw to required length. Repeating this process for all blocking required.



3. Pre-drill Qwickbuild framing using 6mm / (15/64") according to corresponding standard detail. Using provided A404 screws to fix the solid blocking to the Qwickbuild joists. Insuring blocking is flush with top of joists.

More [Railings details SD850](#)



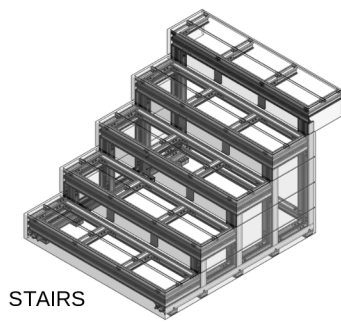
Step-by-step installation

## Additional Extras

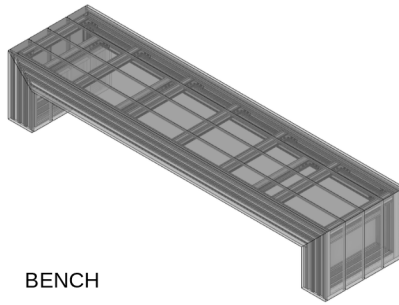
Step 8

**Download over 120 more standard details to suit your project**

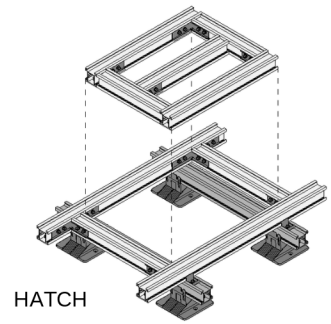
**[www.outdure.com/resources](http://www.outdure.com/resources)**



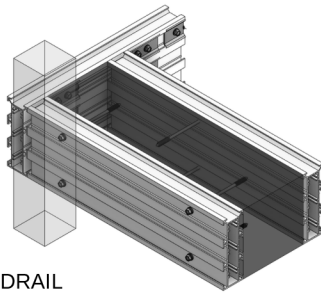
STAIRS



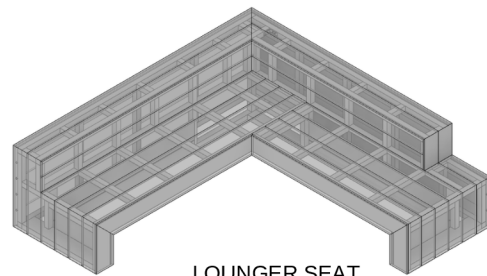
BENCH



HATCH



HANDRAIL





















LOUNGER SEAT
















For more design features like above refer to Outdure resources.

- SD : 100 Ledger
- SD : 110 Breaker Board
- SD : 120 Picture Frame
- SD : 130 Seating
- SD : 135 Planter Boxes
- SD : 140 Ramps
- SD : 150 Curves
- SD : 160 Beam
- SD : 165 Joist
- SD : 170 Hatches
- SD : 175 Fascia
- SD : 180 Holddowns
- SD : 185 Screening
- SD : 190 Bracing
- SD : 200 Bracket Connections
- SD : 830 Other additional options
- SD : 850 Railings
- SD : 855 QwickBuild Batten
- SD : 860 Stairs
- SD : 900 Supports

















# Mini QwickBuild Catalog

	Code	A100 - PROFILES	ORDER QTY	
	A100-20-58	A100 QWICKBUILD PROFILE 2X1/2"X18'		each
	A110-20-58	A110 QWICKBUILD PROFILE 2X1"X18'		each
	A120-20-58	A120 QWICKBUILD PROFILE 2X2"X18'		each
	A130-20-58	A130 QWICKBUILD PROFILE 2X4"X18'		each
	A140-20-58	A140 QWICKBUILD PROFILE 2X6"X18'		each
	A150-20-58	A150 QWICKBUILD PROFILE 2X8"X18'		each
	A194-10-28	A194 QWICKBUILD POST (4X4"X10') 90X90X2800MM		each
	A195-20-58	A195 QWICKBUILD POST (6X6"X20') 135X135X5800MM		each
A200 - BRACKETS & COMPONENTS			ORDER QTY	
	A201-10X	A201 QWICKBUILD 90° BRACKET		box (10)
	A202-10X	A202 QWICKBUILD JOINER BRACKET		box (10)
	A203-25X	A203 QWICKBUILD JOIST ANCHOR BRACKET		box (25)
	A205-20X	A205 QWICKBUILD DOUBLE JOIST BRACKET		box (20)
	A206-20X	A206 QWICKBUILD DOUBLE JOIST BRACKET FLAT		box (20)
	A207-10X	A207 QWICKBUILD BRACE PLATE BRACKET		box (10)
	A208-10X	A208 QWICKBUILD TRIM BRACKET		box (10)
	A209-10X	A209 QWICKBUILD TRIM BRACKET - A130		box (10)
	A210	A210 QWICKBUILD BEAM TO A194 POST (4x4") BRACKET A		each
	A211	A211 QWICKBUILD BEAM TO A194 POST (4x4") BRACKET B		each

















# Mini QwickBuild Catalog

	A212	A212 QWICKBUILD BEAM TO A195 POST (6x6") BRACKET KIT		each
	A220-2X	A220 QWICKBUILD BEAM END CAP		box (2)
A300 - BRACKETS For A110				ORDER QTY
	A301-10X	A301 QWICKBUILD 90° BRACKET & JOIST ANCHOR - FOR A110		box (10)
	A302-10X	A302 QWICKBUILD JOINER BRACKET - A110		box (10)
	A306-20X	A306 QWICKBUILD DOUBLE JOIST BRACKET - A110		box (20)
	A307-20X	A307 QWICKBUILD DOUBLE JOIST BRACKET FLAT - A110		box (20)
A400 - FASTENERS				ORDER QTY
	A401-50X	A401 QWICKBUILD SCREW (5/8") 16MM - SELF-DRILLING		box (50)
	A402-50X	A402 QWICKBUILD SCREW (1 1/4") 30MM - SELF-DRILLING		box (50)
	A403-50X	A403 QWICKBUILD SCREW (2 1/2") 65MM - TYPE 17		box (50)
	A404-50X	A404 QWICKBUILD SCREW (5") 130MM - TYPE 17		box (50)
	A409-50X	A409 QWICKBUILD SCREW (3/4") 20MM - SELF-DRILLING		box (50)
	A410-10X	A410 QWICKBUILD BOLT M12 (1/2X4") 12X90MM		box (10)
	A411-10X	A411 QWICKBUILD BOLT M12 (1/2X6") 12X140MM		box (10)
	A412-10X	A412 QWICKBUILD BOLT M12 (1/2X8") 12X180MM		box (10)
	A413-10X	A413 QWICKBUILD BOLT M12 (1/2X10") 12X230MM		box (10)
	A420	A420 QWICKBUILD DRIVER PACK		each

# Mini QwickBuild Catalog

A500 - COMPOSITE BOARD FIXINGS			ORDER QTY	
	A510-50X	A510 QWICKBUILD TWISTCLIP		box (50)
	A511-50X	A511 QWICKBUILD TWISTCLIP HALF		box (50)
	A512-50X	A512 QWICKBUILD T CLIP		box (50)
	A520-50X	A520 QWICKBUILD TWISTCLIP		box (50)
	A550-50X	A550 QWICKBUILD TWISTCLIP		box (50)
	A590-25X	A590 QWICKBUILD STARTER CLIP		box (25)
	A595-50X	A595 QWICKBUILD COMPOSITE DECKING SCREW (2") 45MM - GREY		box (50)
	A596-50X	A596 QWICKBUILD COMPOSITE DECKING SCREW (2") 45MM - BROWN		box (50)
A600 - HARDWOOD BOARD FIXINGS			ORDER QTY	
	A610-50X	A610 QWICKBUILD SCREW FOR HARDWOOD (1 1/2") 36MM - T20 CSK (3/8") 9MM		box (50)
	A611-50X	A611 QWICKBUILD SCREW FOR HARDWOOD (1 1/2") 36MM - H4 CSK (1/2") 12MM		box (50)
	A620-50X	A620 QWICKBUILD SCREW FOR HARDWOOD (1 3/4") 45MM - T20 CSK (3/8") 9MM		box (50)
	A621-50X	A621 QWICKBUILD SCREW FOR HARDWOOD (1 3/4") 45MM - H4 CSK (1/2") 12MM		box (50)
A700 - TILE FIXINGS & COMPONENTS			ORDER QTY	
	A701	A701 QWICKBUILD TILE RUBBER BEAD (40") 1LM		each
	A702-25X	A702 QWICKBUILD TILE RETAINER BRACKET		box (25)
	A703-25X	A703 QWICKBUILD TILE RETAINER SNAP CLIP		box (25)
	A710-25X	A710 QWICKBUILD TILE SPACER CROSS		box (25)

# Mini QwickBuild Catalog

	A711-25X	A711 QWICKBUILD TILE SPACER STRAIGHT		box (25)
	A712-10X	A712 QWICKBUILD TILE TRIM BRACKET		box (10)
A800 - TURF FIXINGS & COMPONENTS			ORDER QTY	
	A801	A801 QWICKBUILD TURF BASEBOARD (5 1/2X1/4"X10') 138X8X2800MM		each
	A810-50X	A810 QWICKBUILD SCREW FOR TURF (3/4") 20MM		box (50)
	A811-50X	A811 QWICKBUILD SCREW FOR TURF BASEBOARDS (1 1/4") 30MM		box (50)
A830 - ADDITIONAL SOLUTIONS			ORDER QTY	
	A831	A831 QWICKBUILD QWICKGRATE KIT (1X6X110") 138X23X2800MM - BLACK		each
	A832	A832 QWICKBUILD QWICKGRATE KIT (1X6X110") 138X23X2800MM - SILVER		each
	A840	A840 QWICKBUILD ANTI-SLIP STRIP WITH 3M SAFETY WALK 2X1X"10') 54X23X2800MM		each
	A851-4-12	A851 QWICKBUILD SOLID BLOCKING (6X6"X4') 135X135X1200MM		each
	A855-10-28	A855 QWICKBUILD BATTEN (2X2"X10') 45X33X2800MM		each
A900 - SUPPORTS			ORDER QTY	
	A901-20X	A901 QWICKBUILD DECK SUPPORT - PACKER (1/8") 3MM		box (20)
	A905-10X	A905 QWICKBUILD DECK SUPPORT - ADJUSTABLE (5/8 - 1 3/8") 15-35MM		box (10)
	A910-10X	A910 QWICKBUILD DECK SUPPORT - ADJUSTABLE (5/8 - 2 1/2") 35-65MM		box (10)
	A915-10X	A915 QWICKBUILD DECK SUPPORT - EXTENDER (13/4") 30MM		box (10)
	A920-10X	A920 QWICKBUILD DECK SUPPORT - SLOPE CORRECTOR (UP TO 7%) - HEIGHT: (3/8") 10MM		box (10)
	A925-10X	A925 QWICKBUILD DECK SUPPORT - PROTECTION PAD (ACOUSTIC) - HEIGHT: (3/8") 10MM		box (10)

Introduction	Deck Planner	System Overviews	Profiles	Installations Steps	Catalog & resources	Disclaimer
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## QwickBuild General Warranty

- For location specific warranty guidelines contact outdure.

### THIS LIMITED WARRANTY IS SUBJECT TO THE FOLLOWING CONDITIONS:

- 1) Installation of the Outdure Products must be in adherence with Local Building Code, National Standards, Statutory Regulations, Local Authority requirements and Outdure's Installation Guide and must allow for sufficient drainage and/or airflow.
- 2) Any failure of the system resulting from excessive movement of the substrate, wilful damage, Act of God (such as lightning, earthquake, flooding, storms), environmental condition (such as air pollution, mould, mildew), or staining from foreign substances (such as dirt, grease, oil), incidental wear and tear from abrasion and scratches, deterioration beyond normal wear, including colour fading and other consequential damages may result in a non-valid defect;
- 3) This Warranty does not cover deterioration to the Outdure Products due to inappropriate cleaning and maintenance or use of acidic solutions;
- 4) The Purchaser, transferee or third parties associated with the handling, storage and installation after Purchase must ensure that all due care be given to the Outdure Products;
- 5) Products are subject to size and shade variation;
- 6) This Warranty does not cover deterioration to the Outdure Products due to staining substances including tea, coffee, red wine, paint, stain, ink or other. The Purchaser is solely responsible for determining the effectiveness, fitness, suitability and safety of the Outdure Products in connection with their use in any particular application.

**DISCLAIMER OF WARRANTIES:** Except for the express written Warranty contained herein, Outdure makes no other warranties, guarantees or indemnities, whether express or implied, arising by law, course of dealing, usage of trade, custom or otherwise, including but not limited to the implied Warranty of merchantability and implied warranty of fitness for a particular purpose, and all such other warranties, guarantees and indemnities are hereby disclaimed, overridden and excluded from this transaction.

**LIMITATION OF REMEDIES:** Outdure's liabilities are limited solely and exclusively to the obligations specifically undertaken herein, and under no circumstances will Outdure be liable or obligated for any incidental, consequential, indirect, special, punitive or any other damages of any kind whatsoever (including, but not limited to, lost profits, lost sales, loss of goodwill, use of money, use of goods, stoppage of work, or impairment of assets), whether foreseeable or unforeseeable, arising out of breach or failure of express or implied warranty, breach of contract, fraud, misrepresentation, negligence, strict liability in tort or otherwise, except and only to the extent this limitation is specifically precluded by applicable law of mandatory application. Outdure's liability with respect to defective Products shall in no event exceed the replacement of such Products or refund of the purchase price, as described above.

**WARRANTY ENQUIRY:** If the Purchaser discovers a defect in the Outdure Products, the Purchaser, or the transferee shall, within thirty (30) days from the discovery of the alleged defect, notify Outdure by completing the online Warranty Enquiry Form <http://www.outdure.com.au/warranty-enquiry-form/>.

The Purchaser must include in this notification proof of purchase and a statement explaining the defect; Outdure may request additional information. After reviewing all information and upon confirmation that the Purchaser's claim is valid by an authorised Outdure representative, Outdure will, at its option, either supply replacement materials for the defective Outdure Products or refund the portion of the purchase price paid by Purchaser for such defective Outdure Products (excluding the cost of its initial installation).

The Warranty Enquiry will be limited to the value of the Outdure Products accepted by Outdure as defective. Outdure will not be liable for any loss of profit, for any other consequential damages and for labour to remove and reinstall.

**CONSUMER LAW PROTECTIONS:** (Specifically for Australia and New Zealand) Outdure's Products come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and for compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure. Outdure's Products come with guarantees that cannot be modified nor excluded except in those circumstances contemplated by section 43 (2) of the New Zealand Consumer Guarantees Act. Nothing in this Warranty purports to modify or exclude the conditions, warranties and undertakings, and other legal rights, under the Australian Competition and Consumer Act the New Zealand Consumer Guarantees Act and other laws. This Warranty gives you additional protection for your Outdure Product, and identifies a preferred approach to resolving warranty claims which will be quickest and simplest for all parties, subject to the exclusions, terms and conditions above.

**MISCELLANEOUS:** This writing is understood and intended to be the final expression of the parties' agreement and is a complete and exclusive statement of the terms and conditions with respect thereto, superseding all prior agreements or representations, oral or written, and all other communication between the parties relating to the subject matter of this agreement. This Warranty may not be altered or amended except in writing and agreed by Outdure and Purchaser or permitted transferee. No agent, employee or any other party is authorized to make any warranty in addition to that made in this agreement and Outdure shall not be bound by any such statements other than those contained in this Warranty.

This Warranty is effective for purchases made on or after 1 January 2017.

# Qwickbuild Installation Guide Disclaimer

### Important

The Installation Guide for the Outdure QwickBuild Deck Framing System (the "Guide") is provided as a resource to assist in the installation of Outdure's products. The Guide includes general instructions and recommendations based on industry standards and our extensive experience. However, the suitability of the design, materials, and construction methods for your specific project is ultimately your responsibility. By using this Guide, you acknowledge and agree to the following terms and conditions:

### Professional Judgment and Skill

**Use of Professional Judgment:** The information contained in this Guide is not a substitute for professional judgment and expertise. It is imperative that the installer evaluates the unique aspects of each project, including but not limited to site conditions, local building codes, and the intended use of the deck. Installers must exercise their professional judgment to ensure that the design and materials selected are suitable for their specific project requirements.

**Suitability of Materials:** Outdure provides high-quality materials designed to meet rigorous industry standards. However, the installer is responsible for verifying that the materials are appropriate for the specific environmental conditions and intended use of the deck. This includes ensuring proper levels of corrosion resistance and compatibility with other materials used in the project.

### Compliance with Local Building Codes and Regulations

**Local Building Codes:** Building codes and regulations vary significantly by location. It is the installer's responsibility to ensure that all aspects of the deck installation comply with local building codes, zoning laws, and other applicable regulations. Always consult with local building authorities before beginning any construction to confirm compliance with all local requirements.

**Permits and Inspections:** The installer must obtain all necessary permits and schedule any required inspections as mandated by local authorities. Compliance with permit requirements and successful completion of inspections are crucial steps in ensuring the safety and legality of the deck construction.

**Build According to Local Building Codes:** Refer to section R505 of the 2012, 2015 IRC, 2018 IRC, and 2021 IRC for more information.

### Site-Specific Considerations

**Site Conditions:** Each installation site presents unique challenges and conditions, such as soil type, drainage, exposure to weather, and existing structures. The installer must assess these factors and make any necessary adjustments to the installation process to account for site-specific conditions. This may include additional structural support, drainage solutions, or modifications to the framing design.

**Design Adjustments:** The Guide provides general design recommendations that may need to be adjusted based on the specific requirements of the project. The installer is responsible for determining if additional supports, bracing, or other modifications are necessary to ensure the structural integrity and safety of the deck.

**Determine Joist Span and Beam Span:** To build a deck with Outdure components, it is necessary to determine the adequate joist span and beam span of your deck from the illustrations and details provided in this Guide. It is also necessary to determine if a cantilever (i.e., overhang) is desired (or required) to attain the desired deck depth. Determine whether a drop beam or flush beam scenario will be used and gather the required information for local building plan approval.

### Installation Practices

**Manufacturer's Instructions:** It is essential that the installer follows all manufacturer's instructions provided with Outdure products. This includes adherence to recommended spacing, fastening methods, and installation techniques. Failure to follow these instructions may compromise the performance and safety of the deck and may void the warranty.

**Reference All Decking, Railing, and Deck Accessory Manufacturers:** Ensure to follow the required attachment and installation procedures regarding their products.

**Safety Precautions:** The consumer or contractor should take all necessary steps to ensure the safety of everyone involved in the project, including, but not limited to, wearing the appropriate safety equipment (i.e. eye, ear, and body protection).

### Warranty and Liability

**Limited Warranty:** Outdure products are covered by a limited warranty, the terms of which are detailed in the product documentation. The warranty covers manufacturing defects but does not extend to improper installation, misuse, or failure to follow the guidelines and recommendations provided in this Guide. For specific warranty terms, please refer to the warranty documentation provided with Outdure products.

**Limitation of Liability:** To the fullest extent permitted by law, Outdure International Ltd. or related Outdure companies shall not be liable for any direct, indirect, incidental, consequential, or special damages arising out of or in connection with the use of this Guide or the installation of Outdure products. This includes, but is not limited to, damages for personal injury, property damage, loss of profits, or any other losses resulting from the use or misuse of the information provided herein.

**Indemnification:** By using this Guide, the installer agrees to indemnify, defend, and hold harmless Outdure International Ltd., its affiliates, officers, directors, employees, and agents from any claims, damages, losses, liabilities, and expenses (including attorney's fees) arising out of or in connection with the installation of Outdure products, including but not limited to claims related to non-compliance with local building codes, improper installation practices, or failure to exercise professional judgment.

### Final Acknowledgements

**Ongoing Maintenance:** The long-term performance of the deck depends on proper maintenance. The installer should provide the property owner with maintenance guidelines to ensure the deck remains in good condition over time. Regular inspections, cleaning, and timely repairs are essential to the deck's longevity and safety.

**Continuous Improvement:** Outdure International Ltd. is committed to continuous improvement of its products and installation guidelines. As such, this Guide may be updated periodically to reflect new knowledge, technologies, and best practices. It is the installer's responsibility to ensure they are using the most current version of the Guide, which can be obtained from the Outdure website or by contacting customer support.

**Consultation with Experts:** When in doubt, always consult with qualified professionals such as architects, engineers, or local building authorities. Their expertise can provide valuable insights and help address any uncertainties or challenges that may arise during the installation process.

**Acceptance of Terms:** By using this Guide, the installer acknowledges and accepts these terms and conditions, and agrees to comply with all recommendations and requirements specified herein. Failure to adhere to these guidelines may result in suboptimal performance or failure of the deck structure, for which Outdure International Ltd. assumes no responsibility.

**QwickBuild Span Chart:** Choose the Outdure QwickBuild span chart that fits within the building code requirements by locating the live, dead, and total load in the Uniform Deck Loads chart. If you do not know the local code requirements, contact your local building code department for assistance.

In summary, while this Guide serves as a helpful resource, the installer bears the ultimate responsibility for ensuring the suitability, safety, and compliance of the deck construction. Professional judgment, adherence to local codes, and careful attention to site-specific conditions are critical components of a successful installation. If you have any questions or require further assistance, please contact Outdure International Ltd. customer support.