

QB-1A

QWICKBUILD®

DECK FRAMING SYSTEM DESIGN & INSTALL GUIDE

**PLEASE READ BEFORE STARTING TO ENSURE EFFICIENCIES
+ CORRECT INSTALLATION TO PROTECT YOUR WARRANTY**

ENGINEERING

ALL INFORMATION IN THIS GUIDE RELATES TO STANDARD RESIDENTIAL ENGINEERING REQUIREMENTS: 2.0 kPa UDL/1.8 kN POINT LOAD. INSTALLATIONS FOR COMMERCIAL USE MAY REQUIRE DIFFERENT JOIST/BEARER SPAN AND CONNECTION DETAILS. PLEASE NOTE THIS IS THE RESPONSIBILITY OF THE INSTALLER/SPECIFIER.

FOR FURTHER ASSISTANCE ON YOUR PROJECT SCOPE AND DESIGN REQUIREMENTS, PLEASE CONTACT OUTDURE'S TECHNICAL TEAM. DOWNLOAD COMMERCIAL CONSTRUCTION DETAILS FROM OUTDURE'S RESOURCE SECTION.

REFER TO THE VO2A DESIGN MANUAL & THE LAST PAGE OF THIS GUIDE FOR NOTES ON RAILINGS & CANTILEVERS.

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- DISCLAIMER & SUPPLEMENTARY DOCUMENTATION
- IMPORTANT DESIGN INFORMATION

DIRECTORY OF QWICKBUILD DESIGN & INSTALLATION GUIDES

A. SELECT RELEVANT OUTDURE QWICKBUILD GUIDE/S:



QB-1A
PDF

QWICKBUILD
DESIGN AND
INSTALL GUIDE

FOR ALL INSTALLATIONS

- QWICKBUILD OVERVIEW
- TYPICAL DETAILS
- SURFACE OPTIONS
- PRODUCT SELECTIONS
- MATERIAL QUANTIFICATION



QB-2A
PDF

QWICKBUILD
ADDITIONAL DESIGN
AND CONSTRUCTION
DETAILS

INSTALLATION INFO. FOR:

- STAIRS & RAILINGS
- SEATS & PLANTER BOXES
- CURVES

PLEASE NOTE:
ALL QWICKBUILD PROJECTS REQUIRE QB-1A IN ADDITION TO THE RELEVANT SURFACE INSTALL GUIDE/S. QB-2A IS ONLY NECESSARY FOR PROJECTS WITH ADDITIONAL DETAILS.

THE QWICKBUILD DESIGN MANUAL PROVIDES ADDITIONAL CONNECTION DETAILS, TECHNICAL DESIGN AND CONSTRUCTION INFORMATION FOR DESIGNERS OR INSTALLERS WITH COMPLEX PROJECTS.

FOR GUIDES UNRELATED TO QWICKBUILD, i.e. COMPOSITE ON A TIMBER SUB-FRAME:
www.outdure.com/resources



**QWICKBUILD
DECK FRAME SYSTEM
DESIGN MANUAL**
PDF

FOR COMPLEX INSTALLATIONS

- SPECIFICATION NOTES
- SPAN TABLES
(JOISTS & BEARERS)
- ALL CONNECTION DETAILS
- ENGINEERS CERTIFICATE

B. IN ADDITION TO THE QWICKBUILD GUIDE/S PLEASE SELECT THE RELEVANT OUTDURE SURFACE INSTALL GUIDE/S:



**SURFACE
INSTALL GUIDE**
PDF

COMPOSITE DECKING
ON QWICKBUILD



**SURFACE
INSTALL GUIDE**
PDF

HARDWOOD DECKING
ON QWICKBUILD



**SURFACE
INSTALL GUIDE**
PDF

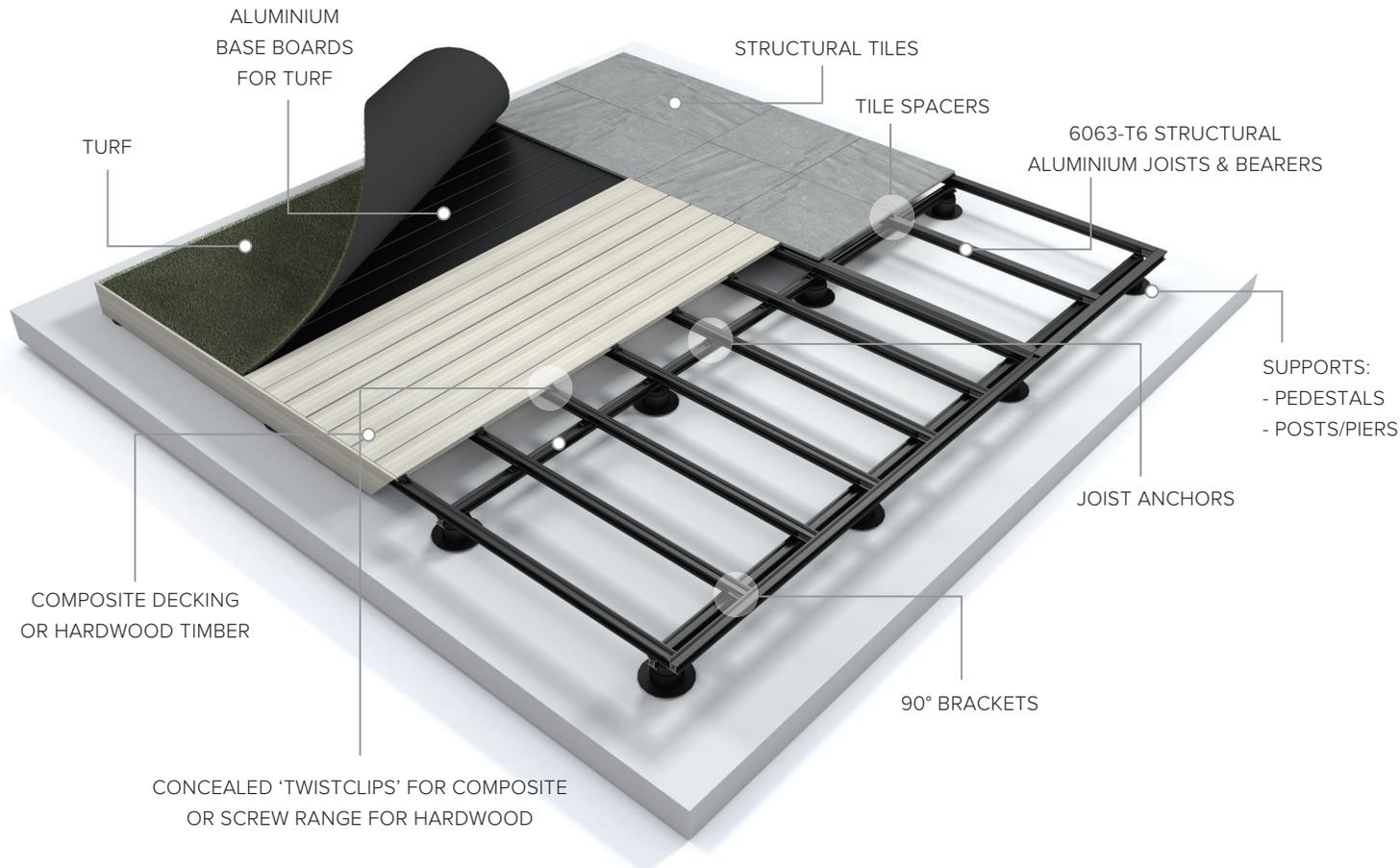
STRUCTURAL TILES
ON QWICKBUILD



**SURFACE
INSTALL GUIDE**
PDF

SYNTHETIC TURF
ON QWICKBUILD

OUTDURE'S QWICKBUILD SYSTEM OVERVIEW



QWICKBUILD SUPPORTS

MULTI-SURFACE OPTIONS:

- COMPOSITE DECKING
- HARDWOOD DECKING
- STRUCTURAL TILES
- SYNTHETIC TURF
- A COMBINATION

INSTALL QWICKBUILD OVER

MULTIPLE SUBSTRATES:

- CONCRETE PADS
- EXISTING TILES/PAVERS
- NATURAL GROUND
- WATERPROOFED AREAS

FEATURES & BENEFITS

- MOISTURE-PROOF
- LIGHT-WEIGHT
- STRAIGHT & LEVEL
- VERSATILE
- FAST INSTALL
- DURABLE, CORROSION RESISTANT MATERIALS
- MINIMAL WASTE

VALUE-ADDED-SERVICES INCLUDE:

- PROJECT SCOPING
- CONCEPT DESIGNS
- CONSTRUCTION DRAWINGS
- ENGINEERING
- PRE-FABRICATION

**RANGE OF JOIST/BEARER PROFILES
ENGINEERED FOR ALL DECK HEIGHTS**

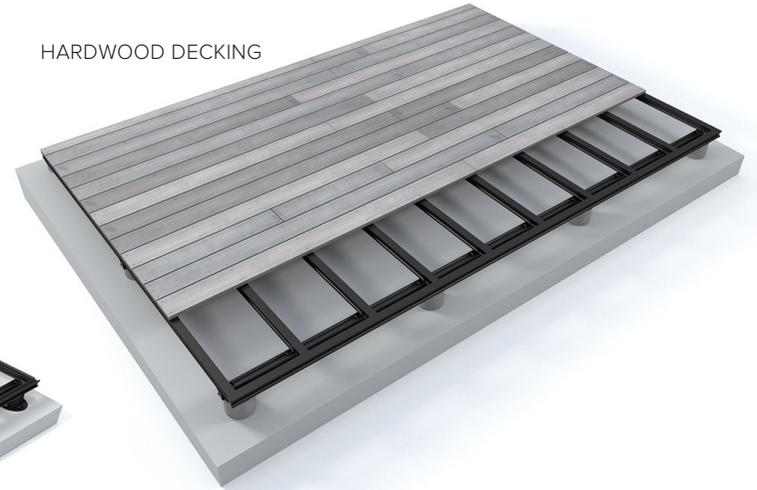
QWICKBUILD SURFACE OPTIONS

1X SYSTEM: 4X SURFACE OPTIONS

COMPOSITE DECKING



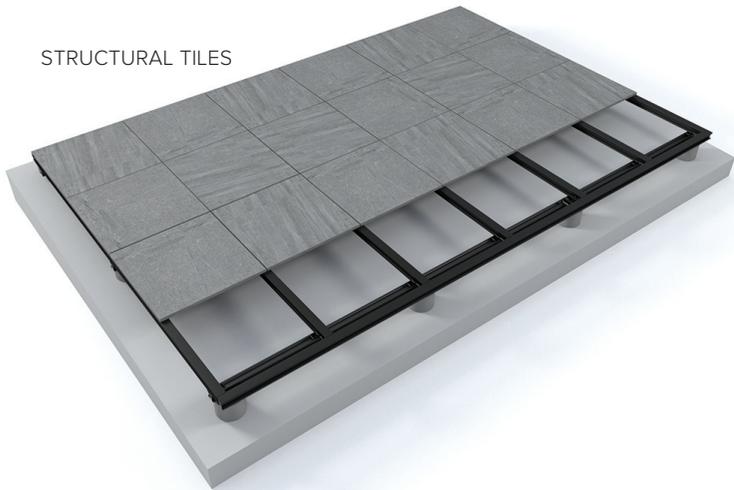
HARDWOOD DECKING



A COMBINATION



STRUCTURAL TILES



SYNTHETIC TURF



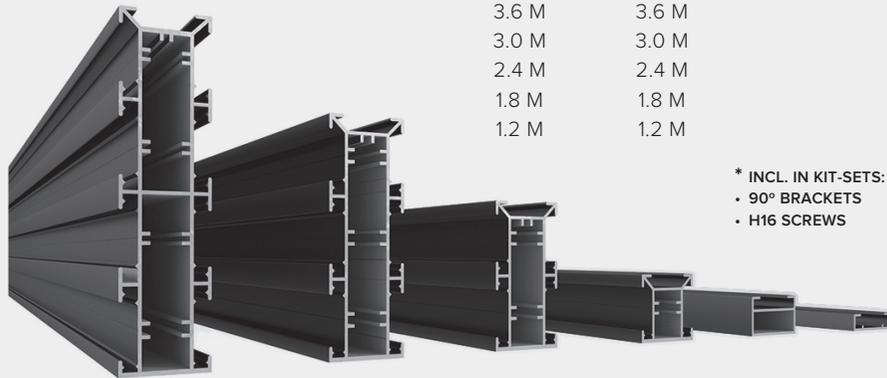
QWICKBUILD JOIST/BEARER PROFILES

RANGE OF QWICKBUILD PROFILES

ENGINEERED FOR DECKS OF ALL HEIGHTS FROM HIGH TO ULTRA LOW

PROFILES AVAILABLE AS KIT-SET* IN THE FOLLOWING LENGTHS:

PROFILES (MM):	180X45	135X45	90X45	45X45	28X45	13X45
LENGTHS:	5.8 M	5.8 M	5.8 M	5.8 M	5.8 M	5.8 M
			3.6 M	3.6 M		
			3.0 M	3.0 M		
			2.4 M	2.4 M		
			1.8 M	1.8 M		
			1.2 M	1.2 M		



* INCL. IN KIT-SETS:
• 90° BRACKETS
• H16 SCREWS

PLEASE NOTE: IN NEW ZEALAND ALL PROFILES ARE SUPPLIED IN 5.8M LENGTHS

THE PROFILES ARE DESIGNED TO BE USED IN EITHER ORIENTATION TO SUIT THE SURFACE

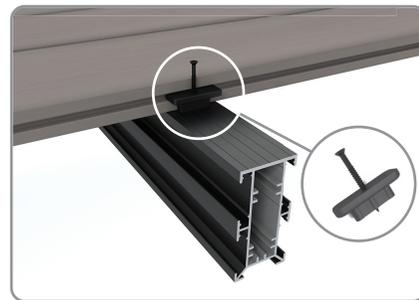


HARDWOOD DECKING*
COMPATIBLE WITH MOST RANGES



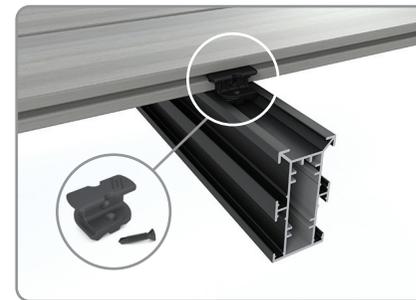
6X SCREWS AVAILABLE TO SUIT

COMPOSITE DECKING*
COMPATIBLE WITH MOST BRANDS



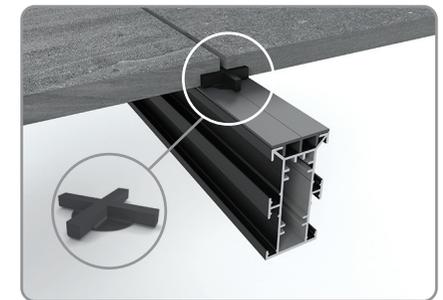
CONCEALED CLIP SUPPLIED BY OTHERS

COMPOSITE DECKING**
DESIGNED TO FIT OUTDURE BRANDS & TREX



CONCEALED OUTDURE TWISTCLIPS

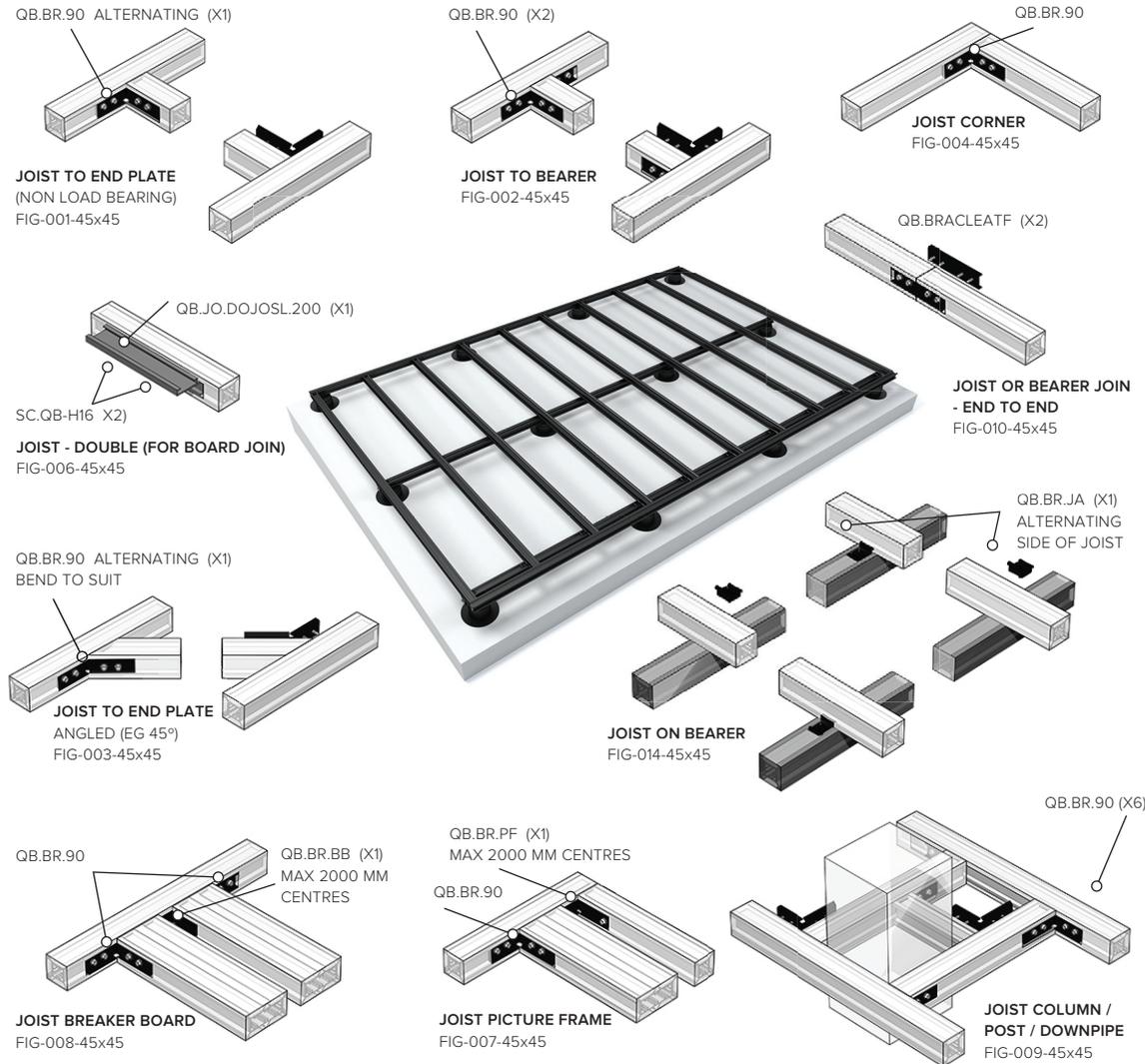
EXTERIOR STRUCTURAL TILES**
DESIGNED TO FIT OUTDURE TILES,
COMPATIBLE WITH MOST BRANDS



HIDDEN OUTDURE TILE SPACERS

45X45 FRAME COMPONENTS & CONNECTION DETAILS

FOR MORE COMMON CONNECTION DETAILS PLEASE REFER TO THE OUTDURE QWICKBUILD DESIGN MANUAL.
FOR ALL OUTDURE PRODUCT DESCRIPTIONS OF USE PLEASE REFER TO OUTDURE PRODUCT CATALOGUES



TYPICAL QTY'S BASED ON JOIST CENTRES:
(NO WASTAGE INCLUDED)

FRAME COMPONENTS:	400 MM	450 MM	600 MM
 45 JOIST ALL.QB.JO.045X45F	3.3 lm/m ²	3.1 lm/m ²	2.5 lm/m ²
 BEARERS: ALL.QB.JO.045X45F ALL.QB.JO.090X45F ALL.QB.JO.135X45F	1.0 lm/m ²	1.0 lm/m ²	1.0 lm/m ²
 90 BRACKET ALL.QB.BR.90.304.10X	3.0 p/m ²	2.5 p/m ²	2 p/m ²
 JOIST ANCHOR ALL.QB.BR.JA.304.25X	3.6 p/m ²	3.0 p/m ²	2.5 p/m ²
 BRACE CLEAT FLUSH ALL.QB.BR.ACLEATS.10X	AS REQUIRED (2X PER END-ON-END CONNECTION)		

SUPPORTS:

 PEDESTALS POSTS/STUMPS/PIERS/ GROUND SCREWS	1.2 p/m ² TYP 1X PEP 1.2X1.2M GRID AS REQ'D - DEPENDENT ON BEARER SIZE
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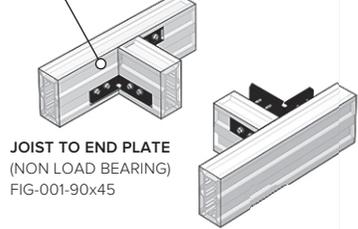
SURFACE COMPONENTS:

 PICTURE FRAME BRACKET ALL.QB.BR.PF.304.10X	IF REQUIRED 1X @1200MM SPACINGS
 BREAKER BOARD BRACKET ALL.QB.BR.BB.304.10X	IF REQUIRED 1X @1200MM SPACINGS

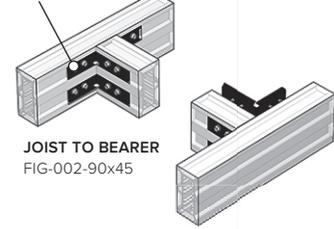
90X45 FRAME COMPONENTS & CONNECTION DETAILS

FOR MORE COMMON CONNECTION DETAILS PLEASE REFER TO THE OUTDURE QWICKBUILD DESIGN MANUAL.
FOR ALL OUTDURE PRODUCT DESCRIPTIONS OF USE PLEASE REFER TO OUTDURE PRODUCT CATALOGUES

QB.BR.90 ALTERNATING (X2)



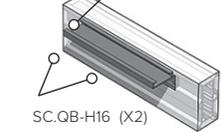
QB.BR.90 (X4)



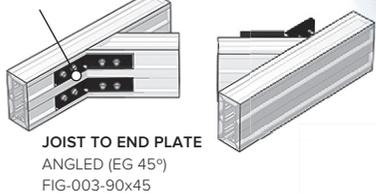
QB.BR.90 (X2)



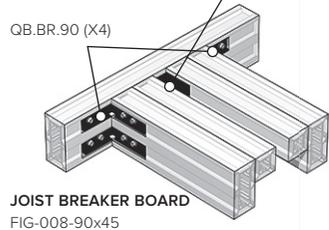
QB.JO.DOJOSL.200



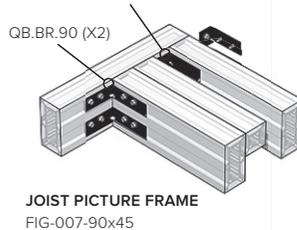
QB.BR.90 ALTERNATING (X2)
BEND TO SUIT



QB.BR.BB (X1)
MAX 1200 MM CENTRES



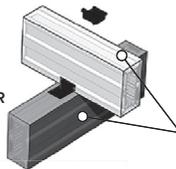
QB.BR.PF (X1)
MAX 1200 MM CENTRES



QB.BRACLEATF (X4)

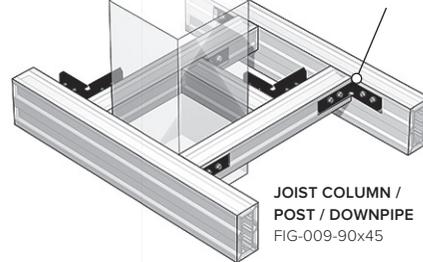


JOIST ON BEARER
FIG-014-90x45



QB.BR.JA (X2)
X2 PER JOIST TO
BEARER CONNECTION

QB.BR.90 (X6)



TYPICAL QTY'S BASED ON JOIST CENTRES:
(NO WASTAGE INCLUDED)

FRAME COMPONENTS:		400 MM	450 MM	600 MM
	90 JOIST ALL.QB.JO.090X45F	3.3 lm/m ²	3.1 lm/m ²	2.5 lm/m ²
	BEARERS: ALL.QB.JO.090X45F ALL.QB.JO.135X45F ALL.QB.JO.180X45F	0.55 lm/m ²	0.55 lm/m ²	0.55 lm/m ²
	90 BRACKET ALL.QB.BR.90.304.10X	6.0 p/m ²	5.0 p/m ²	4.0 p/m ²
		TYP 2X MIN PER CONNECTION TYP 4X MIN PER LOAD BEARING CONNECTION		
	JOIST ANCHOR ALL.QB.BR.JA.304.25X	7.2 p/m ²	6.0 p/m ²	5.0 p/m ²
		MIN 2X PER JOIST/ BEARER CONNECTION TYP 3X PER JOIST/BEARER CONNECTION ON PERIMETER OF DECK		
	BRACE CLEAT FLUSH ALL.QB.BRACLEATS.10X	AS REQUIRED 4X PER END-ON-END CONNECTION (2X PER SIDE)		

SUPPORTS:

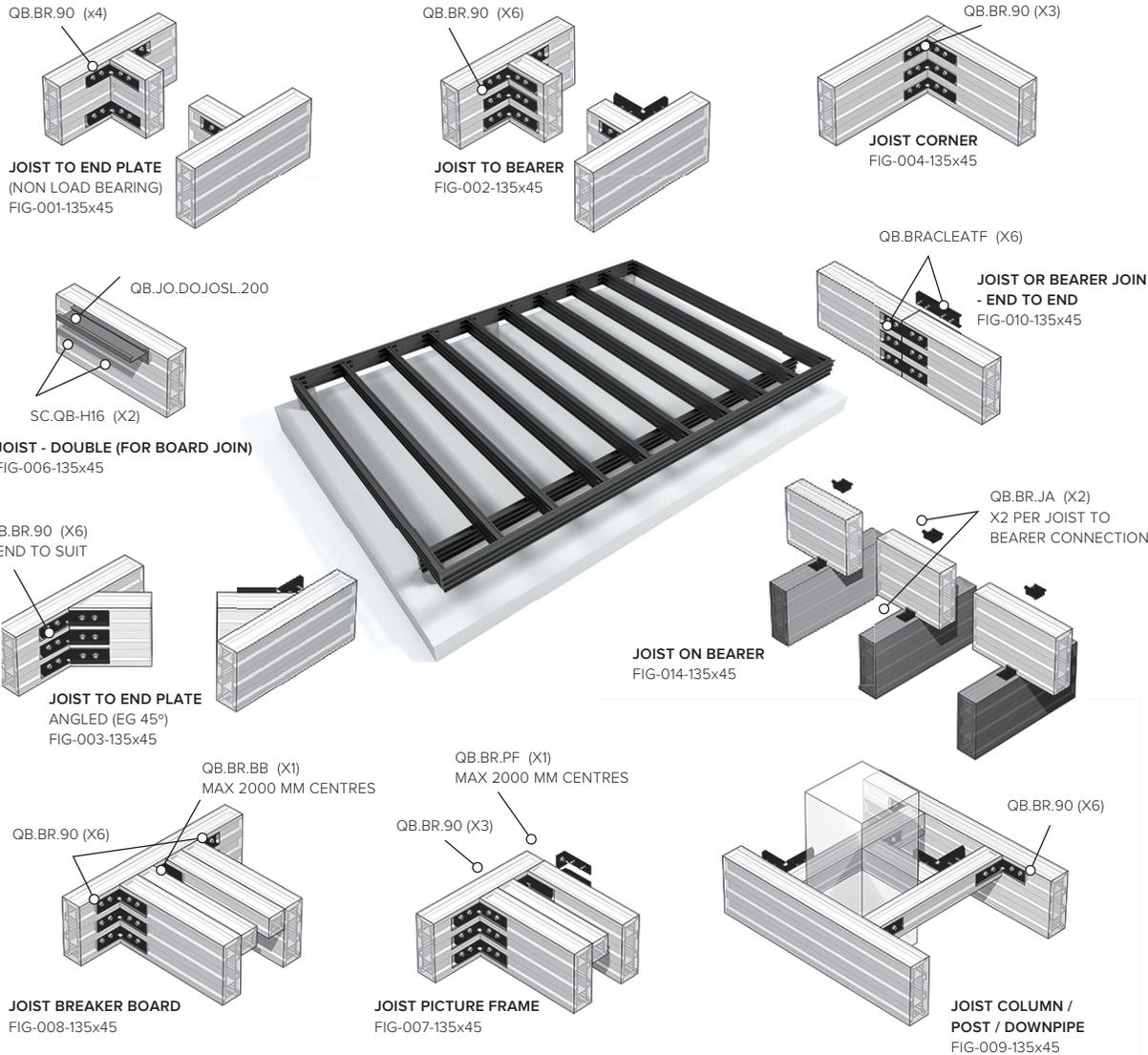
	PEDESTALS POSTS/STUMPS/PIERS/ GROUND SCREWS	AS REQUIRED - DEPENDENT ON BEARER SIZE
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SURFACE COMPONENTS:

	PICTURE FRAME BRACKET ALL.QB.BR.PF.304.10X	IF REQUIRED 1X @ JOISTS ENDS PLUS 1X @1200MM SPACINGS
	BREAKER BOARD BRACKET ALL.QB.BR.BB.304.10X	IF REQUIRED 1X @ JOISTS ENDS PLUS 1X @1200MM SPACINGS

135X45 FRAME COMPONENTS & CONNECTION DETAILS

FOR MORE COMMON CONNECTION DETAILS INCLUDING THE 180X45 PROFILE PLEASE REFER TO THE OUTDURE QWICKBUILD DESIGN MANUAL.
FOR ALL OUTDURE PRODUCT DESCRIPTIONS OF USE PLEASE REFER TO OUTDURE PRODUCT CATALOGUES



TYPICAL QTY'S BASED ON JOIST CENTRES:
(NO WASTAGE INCLUDED)

FRAME COMPONENTS:		400 MM	450 MM	600 MM
	135 JOIST ALL.QB.JO.135X45F	3.3 lm/m ²	3.1 lm/m ²	2.5 lm/m ²
	BEARERS: ALL.QB.JO.135X45F ALL.QB.JO.180X45F	0.8 lm/m ² AS REQ'D	0.8 lm/m ² AS REQ'D	0.8 lm/m ² AS REQ'D
	90 BRACKET ALL.QB.BR.90.304.10X	4.3 p/m ²	4.1 p/m ²	3.3 p/m ²
		TYP 3X MIN PER CONNECTION TYP 6X MIN PER LOAD BEARING CONNECTION		
	JOIST ANCHOR ALL.QB.BR.JA.304.25X	7.2 p/m ²	6.0 p/m ²	5.0 p/m ²
		MIN 2X PER JOIST/ BEARER CONNECTION MIN 3X PER JOIST/BEARER CONNECTION ON PERIMETER OF DECK		
	BRACE CLEAT FLUSH ALL.QB.BRACLEATS.10X	AS REQUIRED 6X PER END-ON-END CONNECTION (3X PER SIDE)		

SUPPORTS:

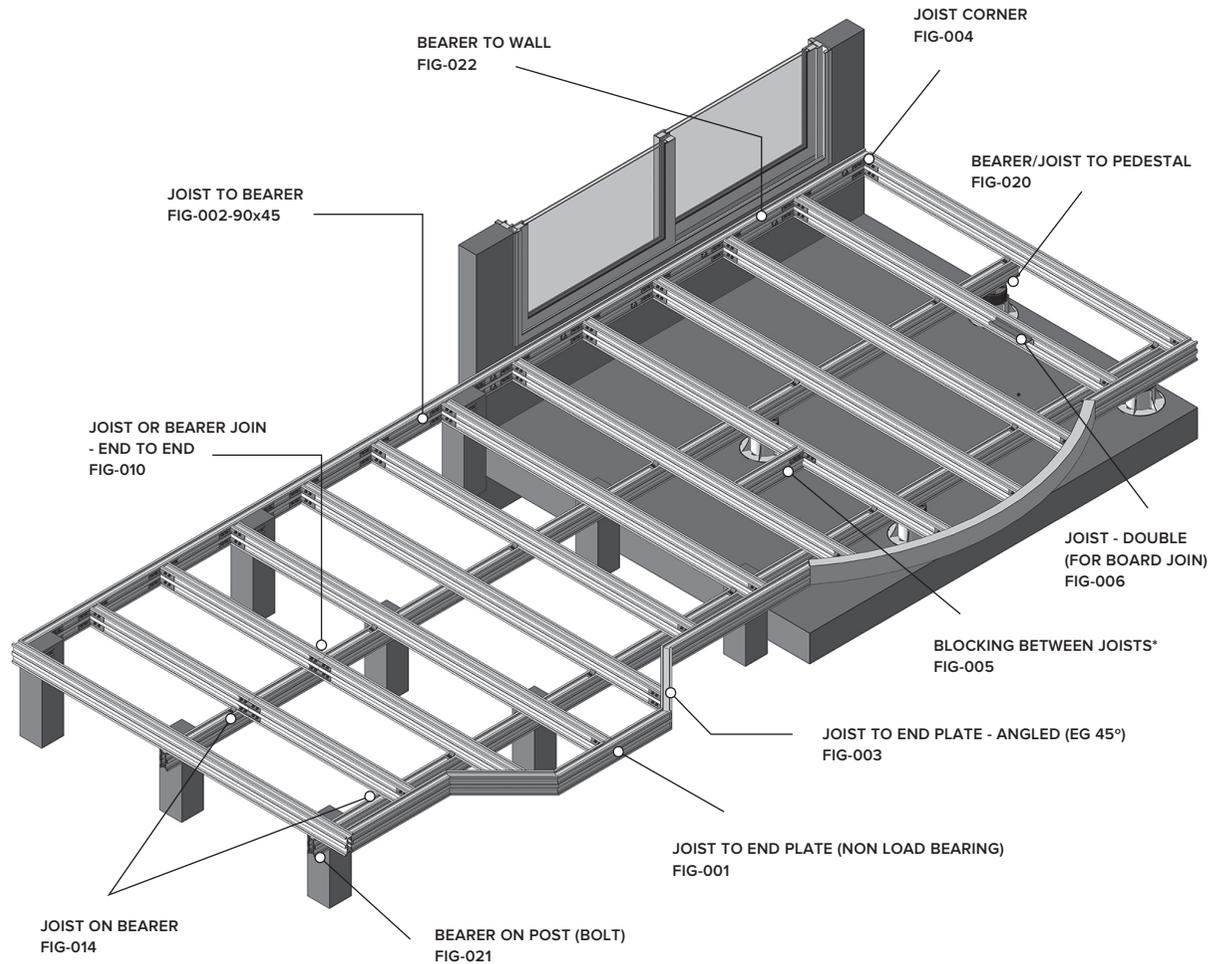
	PEDESTALS POSTS/STUMPS/PIERS/ GROUND SCREWS	AS REQUIRED - DEPENDENT ON BEARER SELECTION
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SURFACE COMPONENTS:

	PICTURE FRAME BRACKET ALL.QB.BR.PF.304.10X	IF REQUIRED 1X @ JOISTS ENDS PLUS 1X @1200MM SPACINGS
	BREAKER BOARD BRACKET ALL.QB.BR.BB.304.10X	IF REQUIRED 1X @ JOISTS ENDS PLUS 1X @1200MM SPACINGS

QWICKBUILD COMMON CONNECTIONS OVERVIEW

FOR ALL OF THESE COMMON CONNECTION DETAILS PLEASE REFER TO THE OUTDURE QWICKBUILD DESIGN MANUAL.



* REQUIRED @ MID-SPAN FOR JOIST SPANING 3M OR LONGER LINKING JOISTS IN PAIRS

QWICKBUILD IS AN EXTERNAL FLOORING SYSTEM THAT PROVIDES STRONG, DURABLE, STABLE STRUCTURES TO SUPPORT DECKING BOARDS, TILES, TURF OR A COMBINATION OF SURFACES.

Joists support the surfaces, and bearers support the joists. The bearers are supported by posts (piers) or adjustable height pedestals (deck jacks). QwickBuild is designed for installations over natural ground, concrete pads, existing pavers and waterproof membranes. The system allows for the construction of support structures ranging from ultra-low height through to structures 3m+.

QwickBuild is a 'mix and match' kit-set system designed for versatility and efficient construction. Outdure's ranges of decking boards, exterior tiles, and turf easily integrate onto the structure using patented fasteners, as a complete solution under one warranty.

The proprietary system includes a comprehensive range of patented beam profiles, fastening and support components + additional accessories. The profiles are manufactured from lightweight structural aluminium with marine-grade anodized or powder-coated finish. Other system components and accessories include brackets, clips, anchors, fasteners, access, and ventilation grates, adjustable height pedestals. For a complete list of QwickBuild components, please refer to The QwickBuild Product Catalogue.

QwickBuild has unmatched features and benefits for deck structures under 400mm in height, especially areas where deck structures are built over a waterproof membrane, this includes rooftop spaces and apartment balconies. The system has low height capabilities enabling a flush internal and external floor levels that are of complex integrating surfaces. The system has minimal waste, and installation time is significantly reduced, making QwickBuild a cost-effective solution.

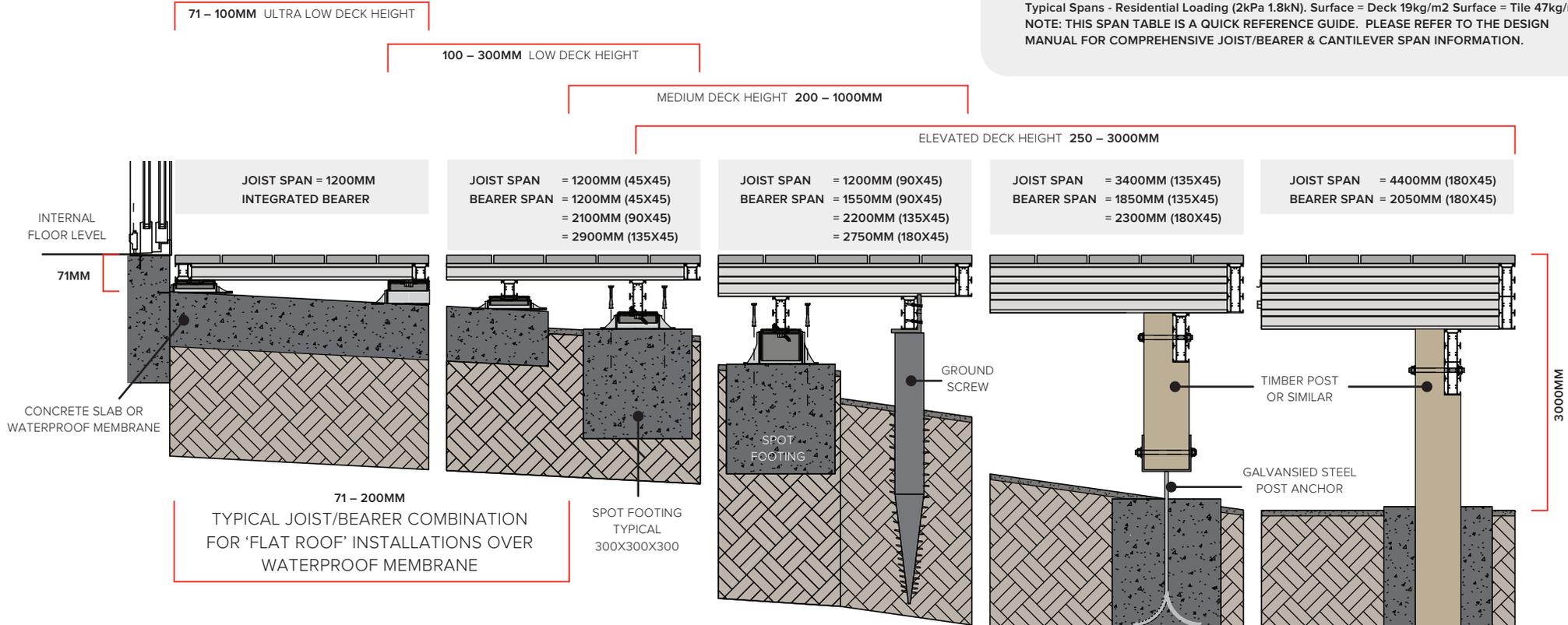
KEY SOLUTIONS/BENEFITS FOR SPECIFICATION

- Compliant low-risk solution: The system is designed to 'float' on a membrane without penetrating it
- Durable and light-weight: Manufactured from structural aluminium + 304 SS components/fixings
- Multi-surface integration: Select from Outdure's ranges of decking, tiles, turf or independent options
- Multi-heights, low-height, long-span capabilities:
Tiles on QwickBuild minimum height = 35mm. Decking on QwickBuild minimum height = 71mm
- Engineered solution: residential and commercial use
- One system for the structure and surfaces reducing the number of trades required on a project
- Design service: Concepts – construction drawings, incl. details: steps, ramps, planter boxes, benches
- Easy supply/install options: kit-set, materials cut-to-length, made-to-measure pre-fab. modular frames
- Cost-effective: Surfaces are fast to install with interlocking components and hidden fasteners
- Stable and level: The structural framework results in a substantial reduction deck jacks, pedestal, posts
- Access solution: Add QwickGrates for critical ventilation and access to drains and services

DECK HEIGHTS

JOIST & BEARER COMBINATIONS

THE 'DECK HEIGHT' IS MEASURED FROM THE TOP OF THE SUBSTRATE TO THE TOP OF THE FINISHED DECK LEVEL (FDL)



SIMPLE JOIST/BEARER SPAN TABLE

FOR FRAME @ 300/400/450/500/600MM CENTRES (DECKING, TILES, TURF)

PROFILE	Max	45x45	90x45	135x45	180x45
		Joist Span	Bearer Span	Bearer Span	Bearer Span
45x45	1200	1200	2100	2900	3650
90x45	2350	800	1550	2200	2750
135x45	3400	N/A	1250	1850	2300
180x45	4400	N/A	N/A	1650	2050

Typical Spans - Residential Loading (2kPa 1.8kN). Surface = Deck 19kg/m² Surface = Tile 47kg/m²
NOTE: THIS SPAN TABLE IS A QUICK REFERENCE GUIDE. PLEASE REFER TO THE DESIGN MANUAL FOR COMPREHENSIVE JOIST/BEARER & CANTILEVER SPAN INFORMATION.

RANGE OF ADJUSTABLE HEIGHT PEDESTALS

LEVELLER = 3 MM
STAR T = 10-15 MM
STAR B = 5 MM PACKER
NURAPAD = 8-15 MM

M1 25-40 MM

M2 40-70 MM

M3 60-100 MM

M4 90-160 MM

M5 150-270

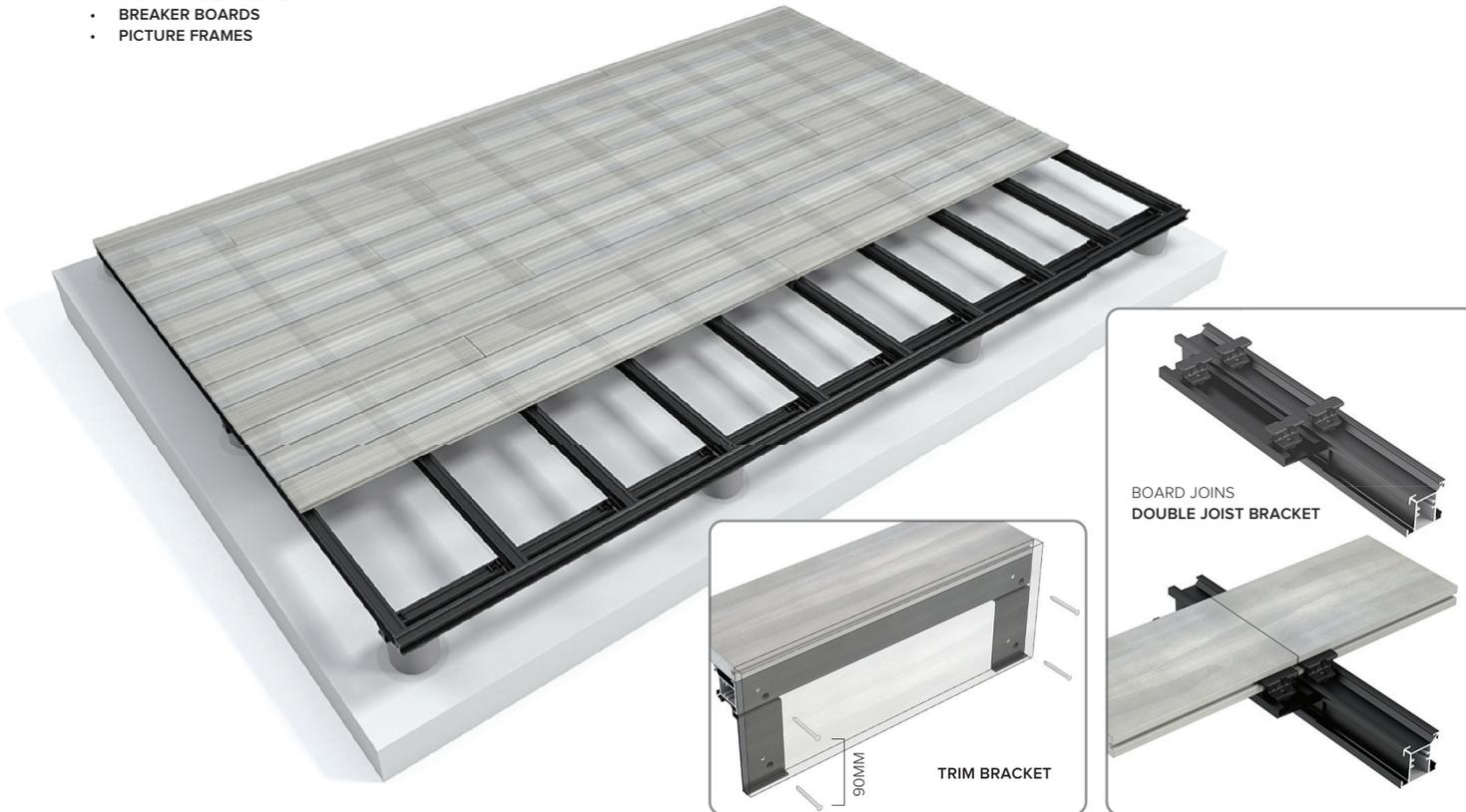
SEALANT BEARER TO PAD ALL SEAL.MS70 BF.BLK
1/30 HEX SCREW PER JACK ALL.QB.SC.30.HEX.50C
BEARER TO JACK (M1 AND M2 JACK ONLY)

QWICKBUILD & COMPOSITE DECKING

COMPONENTS REQUIRED FOR INSTALLING COMPOSITE DECKING ON QWICKBUILD DECK FRAME SYSTEM

PLEASE REFER TO 'FRAME COMPONENTS AND CONNECTION DETAILS' SECTION FOR:

- BREAKER BOARDS
- PICTURE FRAMES

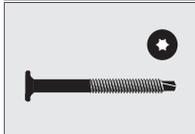


SURFACE FINISH:

TYPICAL QTY'S REQ'D:
(NO WASTAGE INCLUDED)

	DECKING BOARD 138X23	7.0 lm/m ²
	TRIM BOARD 180X15	AS REQUIRED

SURFACE COMPONENTS:

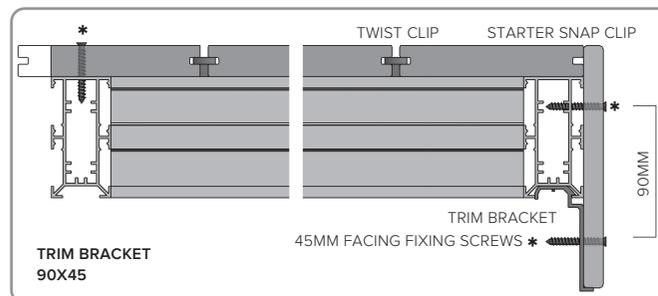
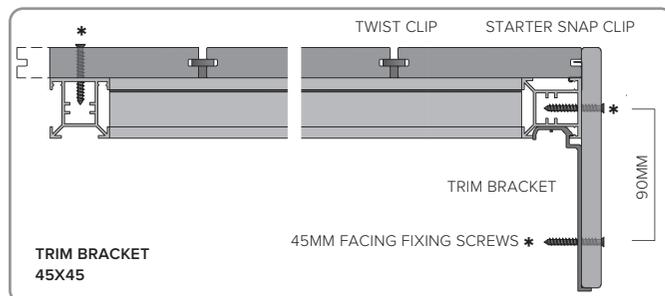
	QWICKCLIP TWIST ALL.QB.QC.T06.23.50X (EXPANSION AND CONTRACTION PINNING SCREWS INCLUDED)	20 p/m ²
	STARTER SNAP CLIP ALL.QB.QC.SNAP.RD25X	AS REQUIRED 1X @400MM CENTRES ON STARTING BOARD RECOMMEND 1X BOX MIN.
	45MM FACING FIXING SCREW DECKING BOARDS TRIM BOARDS ALL.SC.QB-F45	AS REQUIRED RECOMMEND 1X BOX MIN. (2X @ 400MM CENTRES FOR TRIM BOARD)

FRAME COMPONENTS FOR COMPOSITE:

	DOUBLE-JOIST BRACKET ALL.QB.JO.DJB	2.7 p/m ² TYP 1X PER END BOARD JOIN FOR 2.8M BOARD
	TRIM BRACKET ALL.QB.BR.TRIM180-90.1X ALL.QB.BR.TRIM180-45.1X	AS REQUIRED 1X @ 400MM CENTRES

OPTIONAL ITEMS:

	ACCESS VENTILATION GRATES ALL.QB.QG.138X23X2.8S	IF REQUIRED REF. SURFACE INSTALL GUIDE
	ANTI-SLIP STRIP ALL.QB.AS.054x23.M	IF REQUIRED REF. SURFACE INSTALL GUIDE



QWICKBUILD & HARDWOOD DECKING

COMPONENTS REQUIRED FOR INSTALLING HARDWOOD DECKING ON QWICKBUILD DECK FRAME SYSTEM



NUMBER OF SCREWS REQUIRED PER M2

Board Width (MM)	Joist Spacing (MM)			
	300	400	450	600
90	110	88	88	66
140	70	56	56	42

TYPICAL QTY'S REQ'D: (NO WASTAGE INCLUDED)

SURFACE COMPONENTS:

	36MM SCREW 7/9/12 MM (HEAD) ALL.SC.QB-C36-7/9/12	FOR 19-25MM BOARD THICKNESS
	45MM SCREW 7/9/12 MM (HEAD) ALL.SC.QB-C45-7/9/12	FOR 25-32MM BOARD THICKNESS

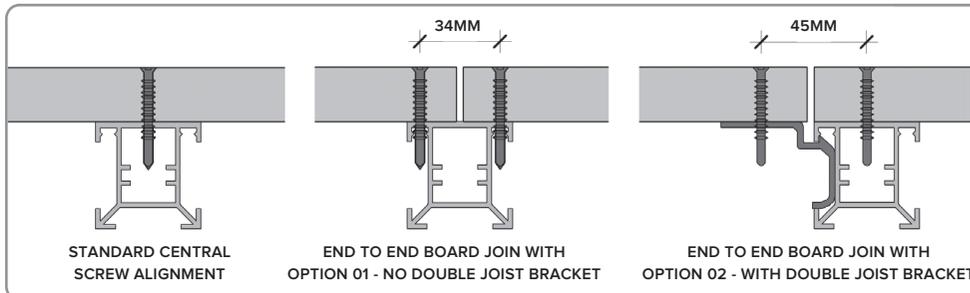
FRAME COMPONENTS FOR HARDWOOD:

	DOUBLE-JOIST BRACKET ALL.QB.JO.DJB.FL	1X END TO END BOARD JOIN TYPICALLY 2.7 p/m2 1X @ 450MM CENTRES FOR VERTICAL TRIM
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OPTIONAL ITEMS:

	ACCESS VENTILATION GRATES ALL.QB.QG.138X23X2.8S	IF REQUIRED REF. SURFACE INSTALL GUIDE
	ANTI-SLIP STRIP ALL.QB.AS.054x23.M	IF REQUIRED REF. SURFACE INSTALL GUIDE

BOARD JOINS DOUBLE JOIST BRACKET

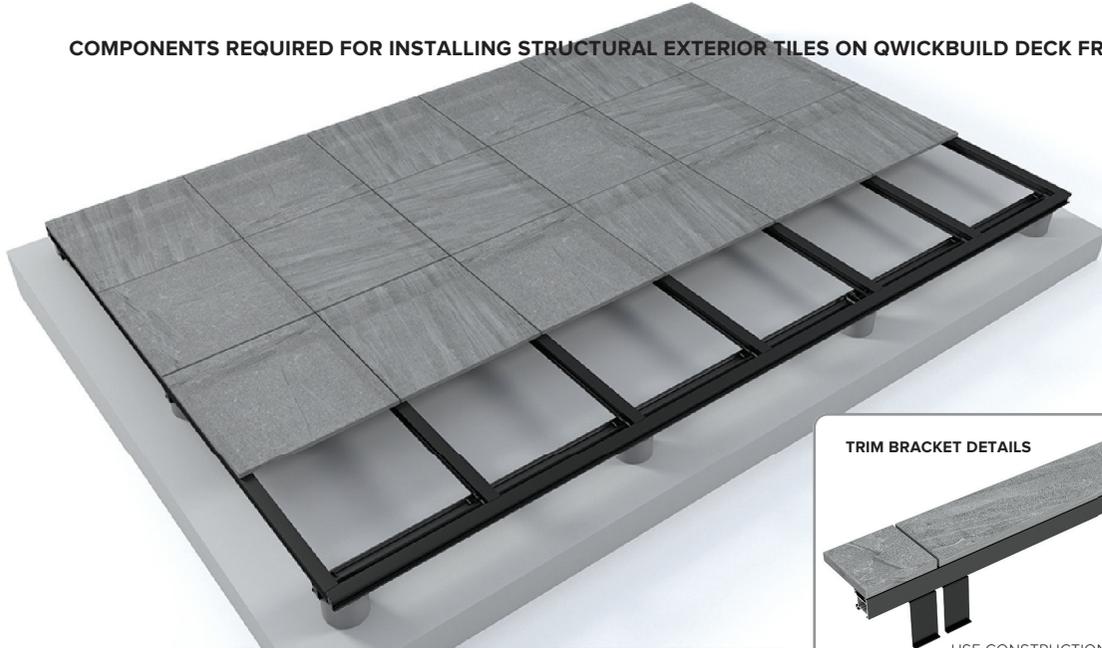


TRIM BOARD DETAIL



QWICKBUILD & EXTERIOR TILES

COMPONENTS REQUIRED FOR INSTALLING STRUCTURAL EXTERIOR TILES ON QWICKBUILD DECK FRAME SYSTEM



TYPICAL QTY'S REQ'D
(NO WASTAGE INCLUDED)

SURFACE FINISH:	600 MM	300 MM
	STRUCTURAL TILES	2.77 TILES p/m ²

SURFACE COMPONENTS:

	TILE RUBBER BEAD ALL.QB.TI.RUBBEAD.LM	REQUIRED ON ALL JOISTS 1 X 1m PER JOIST 1m
	TILE RETAINER SNAP CLIP ALL.QB.TI.RET.SN.25X	2 X PER PERIMETER TILE
	TILE RETAINER BRACKET ALL.QB.TI.RET.BR.25X	2 X PER JOIST END 1 X EVERY 5th TILE
	CROSS SPACER ALL.QB.TI.SPX5MM.25X	AS REQUIRED 1 X EVERY TILE CORNER (SHARED)
	STRAIGHT TILE SPACER ALL.QB.TI.SPS5MM.25X	AS REQUIRED 1 X PERIMETER TILE

FRAME COMPONENT SPECIFIC TO TILES:

	TRIM BRACKET ALL.QB.BR.TRIM180-90.1X ALL.QB.BR.TRIM180-45.1X	2 X PER PERIMETER TILE
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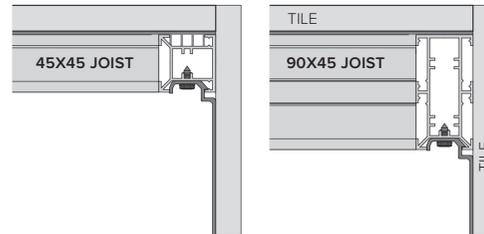
OPTIONAL ITEMS:

	ACCESS VENTILATION GRATE KIT ALL.QB.QG.138X23X2.8S (INCL. SNAPMOUNTS)	IF REQUIRED REF. SURFACE INSTALL GUIDE
	ANTI-SLIP STRIP ALL.QB.AS.054X23.M (REQUIRES HALF TWIST CLIPS FOR INSTALLATION)	IF REQUIRED REF. SURFACE INSTALL GUIDE

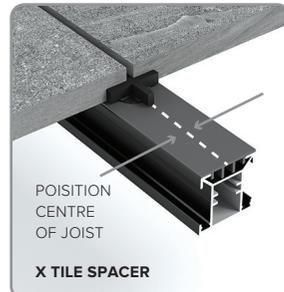
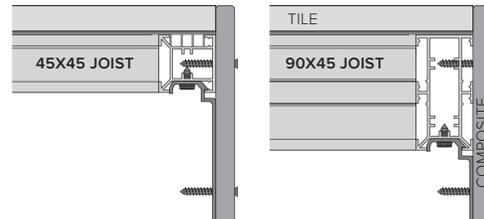
TRIM BRACKET DETAILS



TILE DECK WITH TILE TRIM:

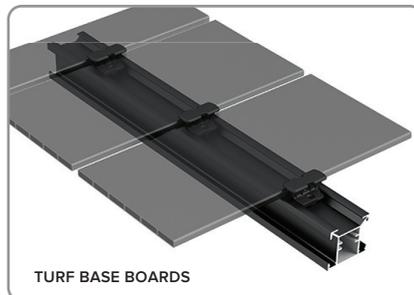


TILE DECK WITH COMPOSITE TRIM:



QWICKBUILD & SYNTHETIC TURF

COMPONENTS REQUIRED FOR INSTALLING SYNTHETIC TURF / ARTIFICIAL GRASS ON QWICKBUILD DECK FRAME SYSTEM



TYPICAL QTY'S REQ'D
@400MM JOIST CENTRES
(NO WASTAGE INCLUDED)

SURFACE FINISH:

SYNTHETIC TURF	1 m2
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SURFACE COMPONENTS:

	QWICKCLIP TWIST TURF ALL.QB.QC.T06T.23.50X	20 p / m2
	STARTER SNAP CLIP ALL.QB.QC.SNAP.RD25X	AS REQUIRED
	QWICKBUILD TURF BASEBOARDS ALL.QB.QF.138X08X2.8	7 lm / m2
	F20MM FLAT HEAD SCREW ALL.SC.QB-F20	@150 MM CENTRES
	F30MM FLAT HEAD SCREW ALL.SC.QB-F30	AS REQUIRED

OPTIONAL ITEMS:

	ACCESS VENTILATION GRATE KIT ALL.QB.QG.138X23X2.8S (INCL. SNAPMOUNTS)	IF REQUIRED REF. SURFACE INSTALL GUIDE
	ANTI-SLIP STRIP ALL.QB.AS.054x23.M (REQUIRES TWISTCLIPS FOR INSTALLATION)	IF REQUIRED REF. SURFACE INSTALL GUIDE

LEGAL INFORMATION

DISCLAIMER & TERMS OF USE

THE USE OF THIS DOCUMENT IS SUBJECT TO THE FOLLOWING TERMS & CONDITIONS: THIS INSTALLATION GUIDE IS PROVIDED TO SUMMARISE THE BASIC INFORMATION & PRINCIPLES OF INSTALLATION REQUIRED FOR CONSTRUCTION OF QWICKBUILD DECK FRAME STRUCTURES. USERS OF THIS DOCUMENT SHALL RELY SOLELY ON THE PROFESSIONAL JUDGEMENT & SKILL OF INSTALLERS IN DETERMINING THE APPROPRIATENESS OF USING OR REFERRING TO THIS DOCUMENT & TO SATISFY THEMSELVES AS THE ACCURACY OF THE DATA IT CONTAINS. ALL CONSTRUCTION MUST BE IN ACCORDANCE WITH OUTDURE'S INSTALLATION GUIDELINES OR LOCAL BUILDING CODE, NATIONAL STANDARDS, STATUTORY REGULATIONS, LOCAL AUTHORITY REQUIREMENTS, WHICH TAKE PRECEDENCE OVER ANY DETAILS IN THIS DOCUMENT. USERS ACKNOWLEDGE THAT OUTDURE IS NOT LIABLE IN ANY RESPECT OF ANY PARTICULAR USE OR APPLICATION OF THE MATERIAL PROVIDED. PLEASE CONTACT OUTDURE FOR FURTHER CLARIFICATION.

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SUPPLEMENTARY DOCUMENTATION

WARRANTY www.outdure.com/warranty

INSTALLATION VIDEOS www.outdure.com/installation-videos

IMPORTANT DESIGN INFO.

ENGINEERING

ALL INFORMATION IN THIS GUIDE RELATES TO STANDARD RESIDENTIAL ENGINEERING SPECIFICATIONS: 2.0 kPa UDL/1.8 kN POINT LOAD. INSTALLATIONS FOR COMMERCIAL USE MAY REQUIRE DIFFERENT JOIST/BEARER SPAN & CONNECTION DETAILS. PLEASE NOTE THIS IS THE RESPONSIBILITY OF THE INSTALLER/SPECIFIER.

RAILINGS

THE OUTDURE QWICKBUILD IS SYSTEM IS DESIGNED TO SUPPORT COMMON RAILING SYSTEMS, INCLUDING TOP MOUNTED, THROUGH MOUNTED OR SIDE MOUNTED RAILING DESIGNS. ADDITIONAL JOIST & BLOCKING MEMBERS & CONNECTION DETAILS ARE REQUIRED TO PROVIDE THE ADDITIONAL STRENGTH FOR THE RAILING. THESE CONSTRUCTION DETAILS ARE AVAILABLE FOR DOWNLOAD.

www.outdure.com/resources

RAILINGS CAN ONLY BE ATTACHED TO 90X45, 135X45 OR 180X45 JOIST PROFILES. IT IS CRITICAL TO SELECT THE CORRECT JOIST PROFILES PRIOR TO DESIGNING THE STRUCTURE & ORDERING MATERIALS. IT IS RECOMMENDED TO DESIGN STRUCTURES USING 135X45 OR 180X45 JOIST PROFILES AS THE CONSTRUCTION DETAILS ARE VERY SIMPLE.

DO NOT ATTACH RAILING TO A FLOATING DECK STRUCTURE. THE DECK STRUCTURE MUST BE ANCHORED TO THE SUBSTRATE OR SUPPORTING STRUCTURE.

CANTILEVERS

JOISTS MAY CANTILEVER WHEN THE DECK STRUCTURE IS ANCHORED TO THE SUBSTRATE OR SUPPORTING STRUCTURE. PLEASE REFER TO SPAN TABLES FOR CANTILEVERS & TO DETERMINE REQUIRED BACKSPAN FOR CANTILEVERS.

WATERPROOF MEMBRANES

WHEN CREATING ANY STRUCTURE OVER A WATERPROOF MEMBRANE, IT IS THE SOLE RESPONSIBILITY OF THE INSTALLER TO ENSURE THE MEMBRANE MANUFACTURERS WARRANTY REMAINS VALID. OUTDURE RECOMMENDS ACCESS TO GUTTERS & DRAINS IS MAINTAINED BY USE OF OUTDURE'S REMOVABLE QWICKGRATES OR ACCESS HATCHES. OUTDURE ACCEPTS NO LIABILITY OR RESPONSIBILITY FOR COVERING GUTTERS & DRAINS THAT MAY OR MAY NOT NEED TO BE ACCESSED, INSPECTED OR MAINTAINED.