General Arrangement

C Purlin Trestle

User Manual

Read in conjuction with Kwiktech Build Guide and Kwiktech Tips & Tricks

Designed by

kwiktech.

Engineered by

SCHMIDT BENTLEY ENGINEERING CONSULTING

Rating: 2 Tonne

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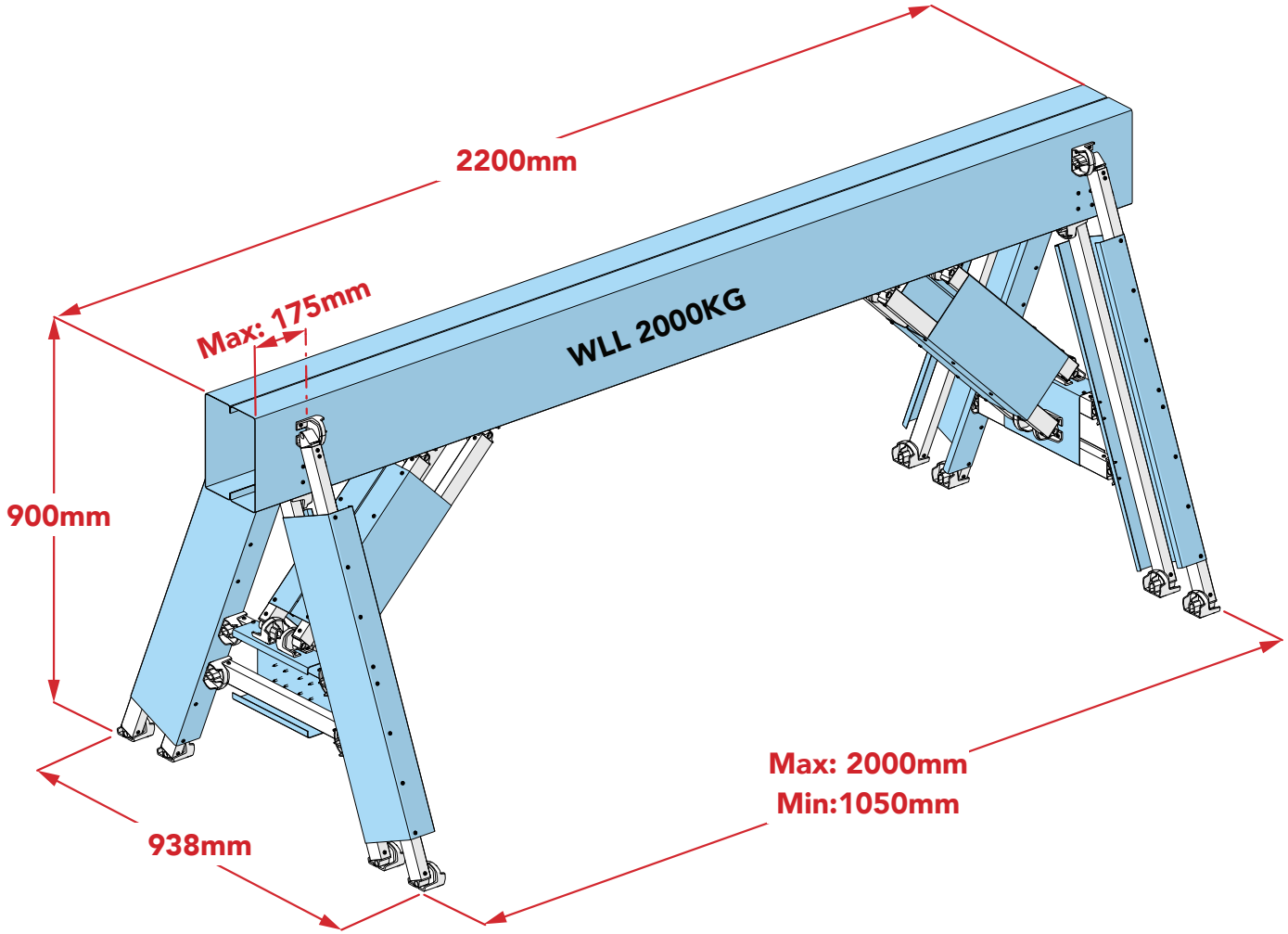

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Materials List

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KWIKTECH KITS

ITEM	QUANTITY	RESELLER RPICE
Kwiktech DIY Square Kit	2	
Kwiktech DIY Creator Kit	1	

NON KWIKTECH ITEMS

ITEM	ITEM ID #	ASSEMBLY ID #	LENGTH	COLOUR	QUANTITY	RESELLER RPICE
C200-10 Purlin	1		2200*	Galv	2	
C150-10 Purlin	2	A B	654	Galv	4	
C150-10 Purlin	3	C D	353	Galv	4	
C150-10 Purlin	4	E	241	Galv	2	
RHS 38x25x1.2mm	5	A B	870	Galv	4	
RHS 38x25x1.2mm	6	C D	724	Galv	4	
RHS 38x25x1.2mm	7	A B	576	Galv	4	
RHS 38x25x1.2mm	8	C D	424	Galv	4	
RHS 38x25x1.2mm	9	E	390	Galv	2	
RHS 38x25x1.2mm	10	E	297	Galv	2	
SHS 65x65x2.0mm	11		199	Galv	4	
10G x 16 Self Drilling Wafer Head Screw	-	-	16	Galv	170	
					Sub-Total	
					GST	
					Shipping	
					Total Cost	

*Note: 1050mm to 2300mm

KWIKTECH FIXINGS & ACCESSORIES

ITEM	QUANTITY	ITEM	QUANTITY
Post Connector (KT-P-001)	0	10G x 16 Self Drilling Wafer Head Screw	216
Universal Connector (KT-P-002)	40	M6 x 40 Socket Head Cap Screw - Zinc	40
Rail Inserts (KT-P-003)	36	M6 x 20 Hex Head Bolt - Galv	0
60° Rail Inserts (KT-P-004)	4	M6 Nut - Galv	0
Star Picket Guide (KT-P-005)	0	Kwiktech 2mm Displacement Plate	0
Post Cap (KT-P-006)	0	Right Angle Bracket - Zinc	0
Tension Strapping 0.8 x 30 x 85mm	0	Assembly Wedge - Rubber	0
Tension Strapping 0.8x 30 x 95mm	0	10G x 16 Self Drilling Small Head Flat Top Screw	0
Tension Strapping 0.8 x 30 x 135mm	0	Tension Strapping 0.8 x 30 x 250mm	0

HOLLOW METAL

ITEM	TOTAL LENGTH
Duragal C200-15 Purlin	4.6m
Duragal C150-10 Purlin	4.6m
Duragal 38x25x1.2mm	12m
Duragal 65x65x2.0mm	0.8m

FOR INFORMATION ONLY

Member Locations

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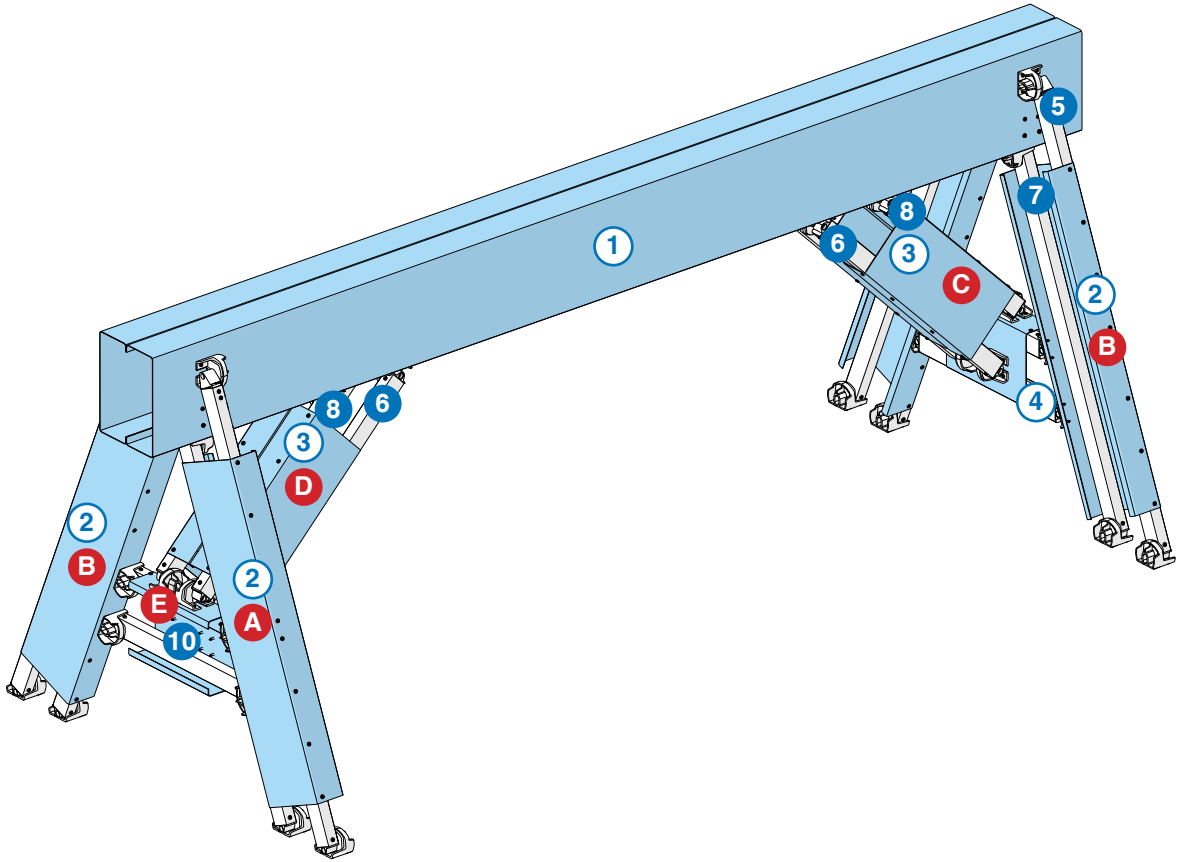

NOTE: Some member ID's hidden for clarity.

Rail Assembly

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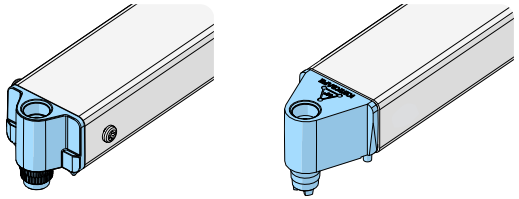
Rail Setup

Refer to build guide for assembly details.

All members have a Standard insert unless otherwise noted.

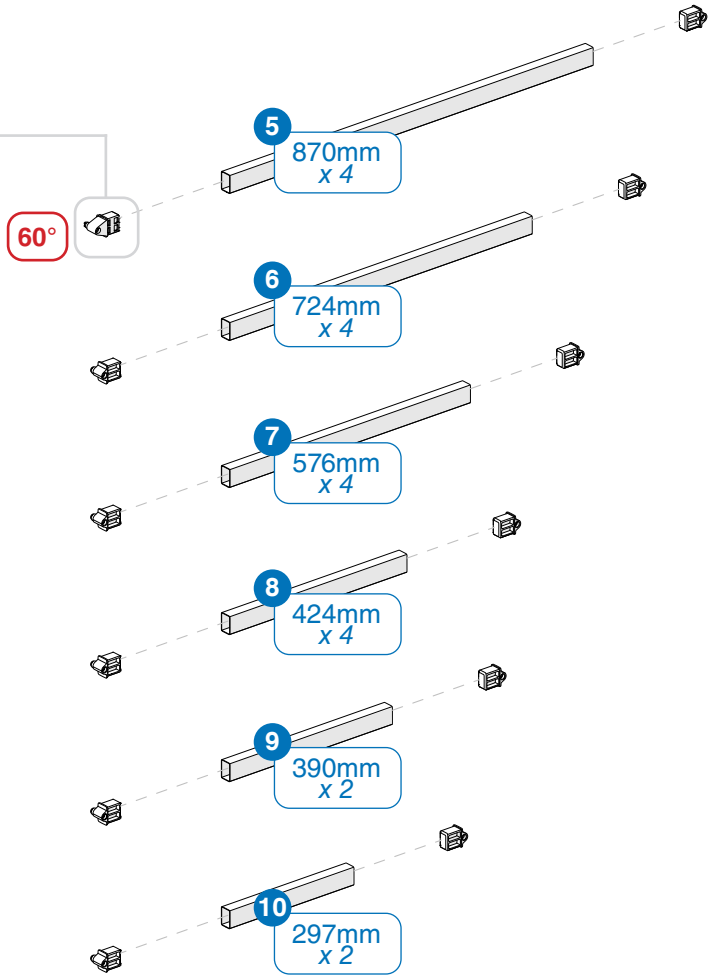
Mark item ID on each member.

RAIL INSERT TYPES



Standard 60˚

Note: Keep the 60˚ connector loose until assembled. When assembled, fix in place with x2 screws on the exterior side.



Extra Strong Rail Assembly

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Rail Setup

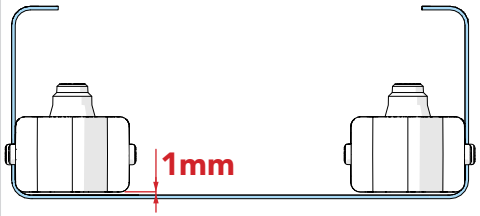
Refer to build guide for assembly details.

Mark assembly ID on each member.

Use of C Clamp recommended for Rail to C Purlin Fixing

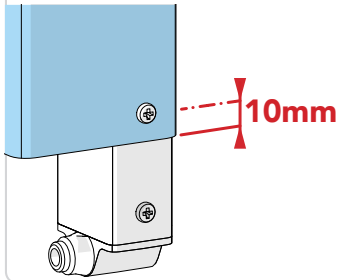
MEMBER ORIENTATION

38x25 flush with the side & 1mm off the internal face of the C Purlin.



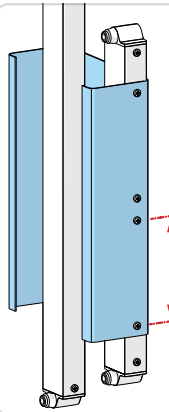
ENDS FIXING DETAIL

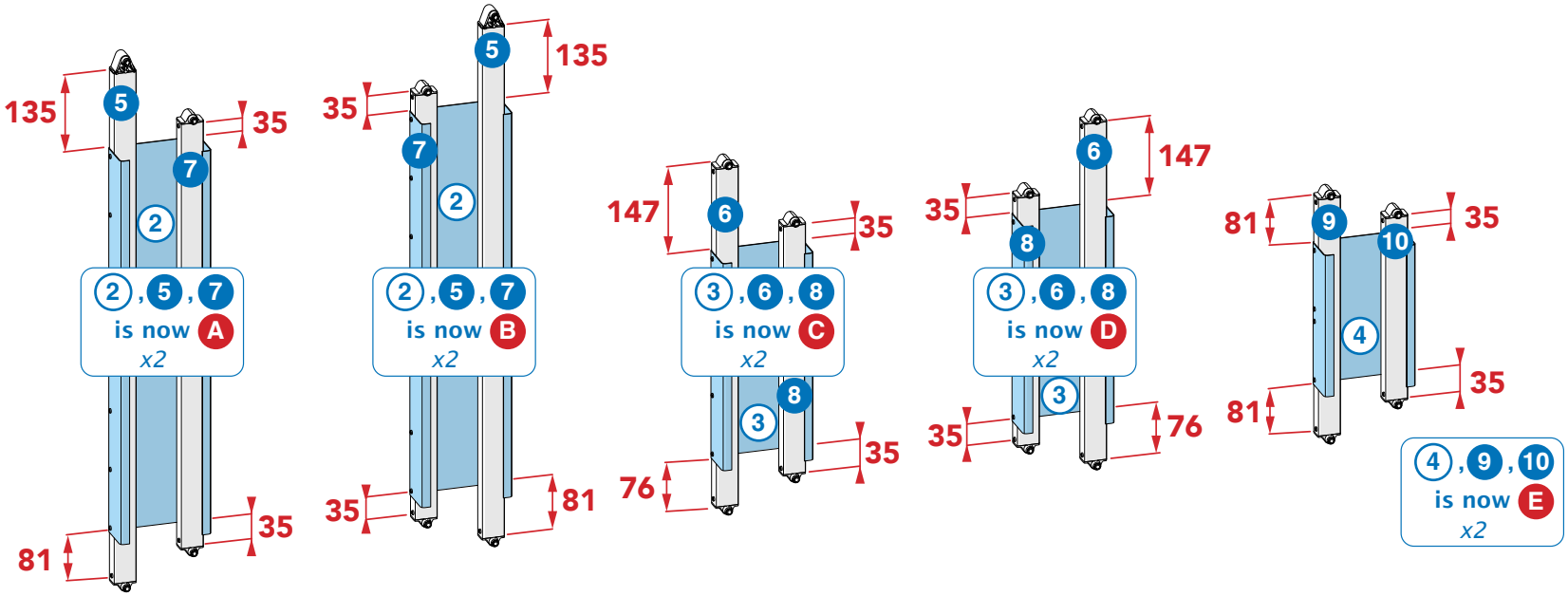
Screw 10mm from end of the C Purlin.



FIXING DETAIL

Screws from C Purlin into 38x25. 100mm spacing until screws meet in the middle.





Universal Connector Locations

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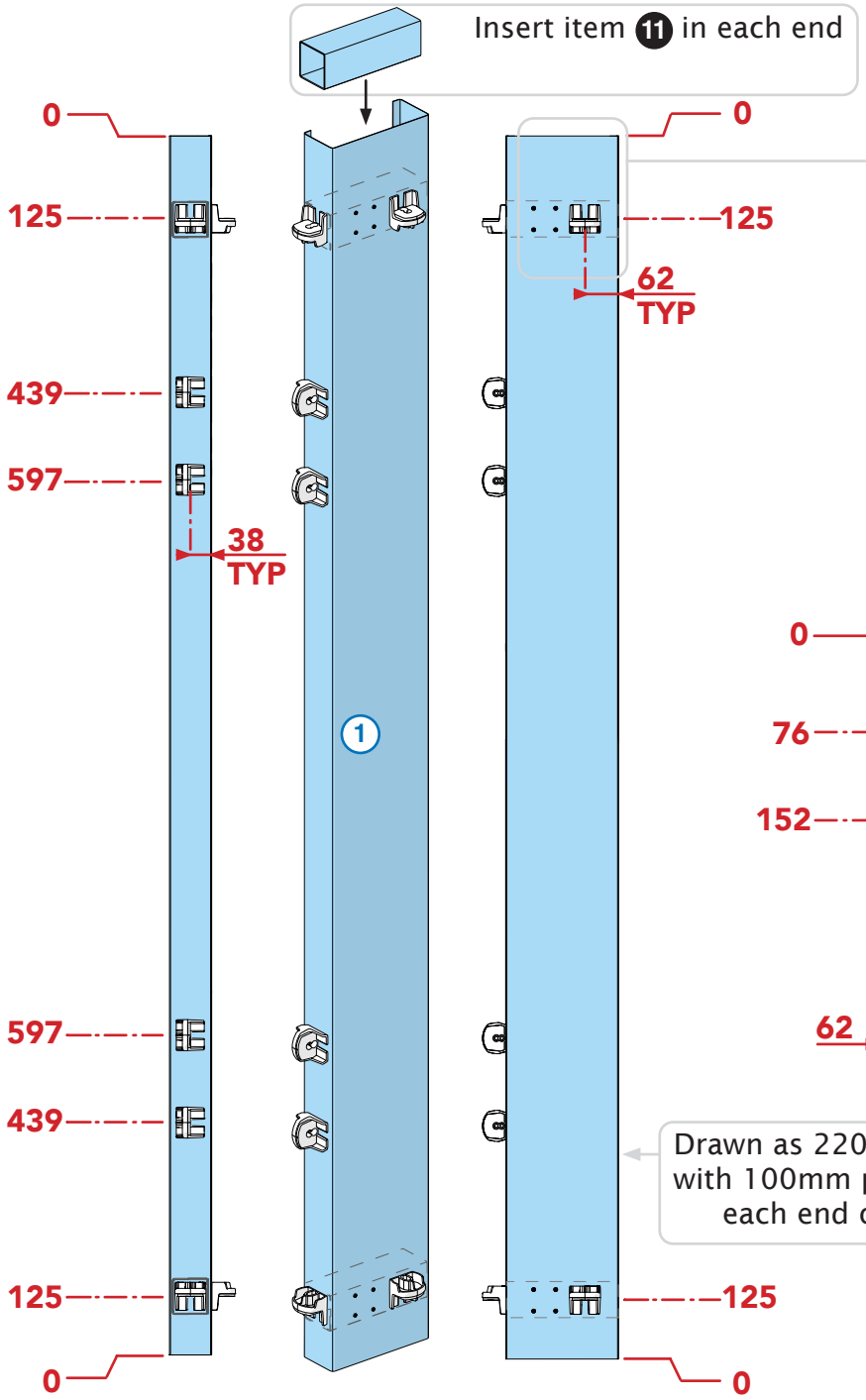
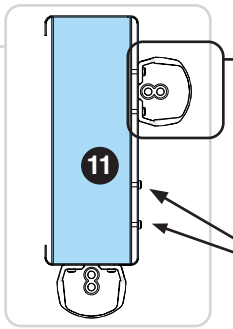


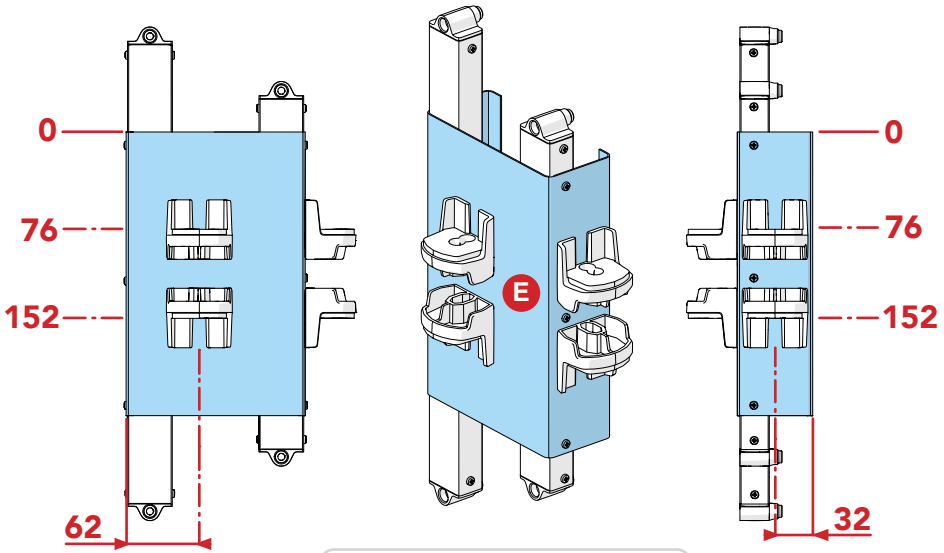
Top Beam
C200 Purlin
x 2

Drawn as 2200mm long with 100mm protruding each end of legs.



Mark Universal Connector holes on 1 & pre-drill 4 x 3.5mm∅ holes. Fix Universal Connector through both members.

Before screw fixing, predrill x4 Pilot Holes 3.5mm∅



Note: Screws removed as required for Universal Connectors to fit flat

Bottom Bracing
C150 Purlin
x 2

Universal Connector Locations

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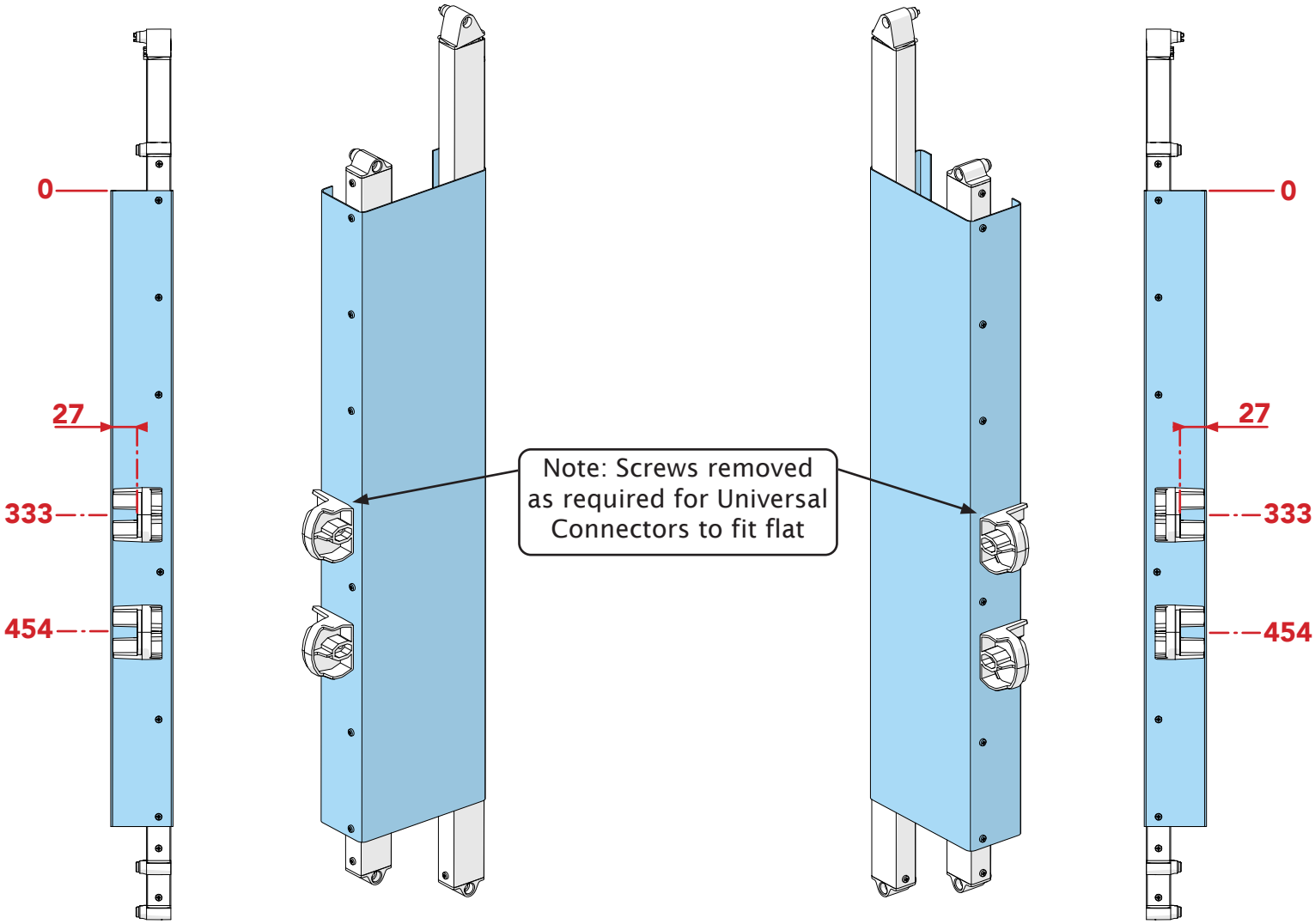

Angled Legs A
C150 Purlin
x 2

Angled Legs B
C150 Purlin
x 2

Assembly Steps

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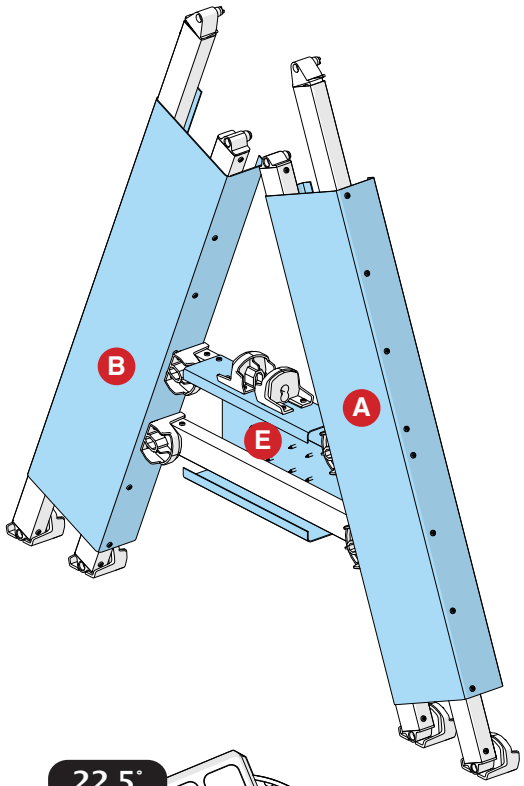
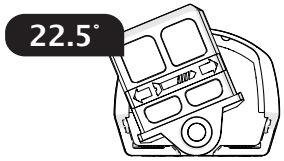
Step 1

Assemble both leg ends.

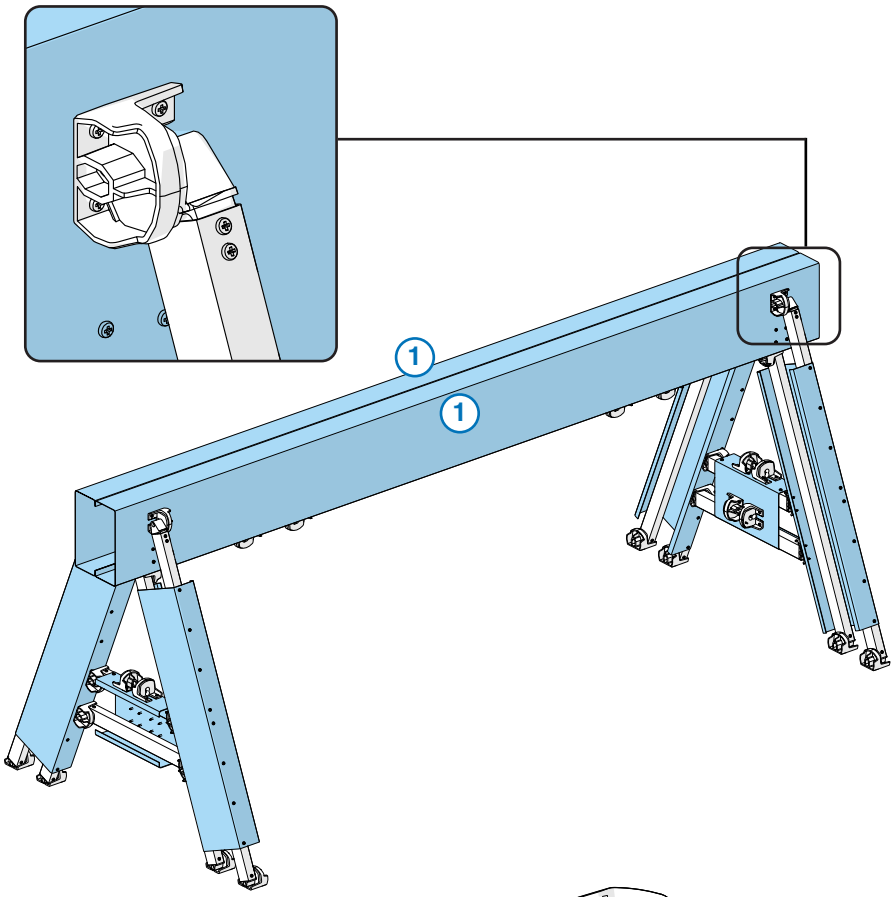




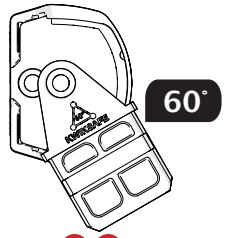
A B E

Step 2

Secure leg ends to C Purlins. Fix 60˚ Connectors in place with 2 screws.



A B



A B

Assembly Steps

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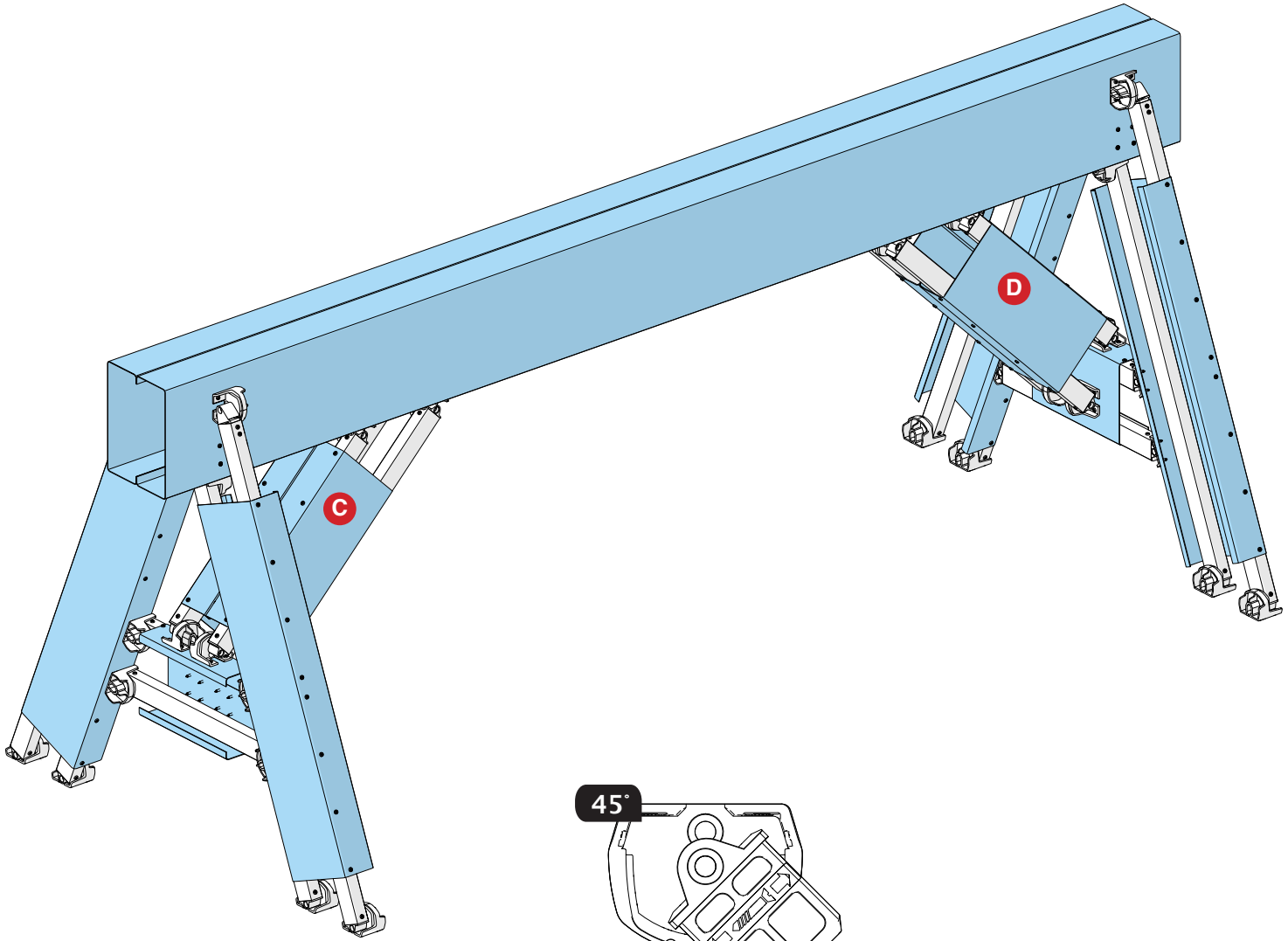
Step 3

Secure Trestle legs with underside diagonal bracing.



Blueprint Dimensions

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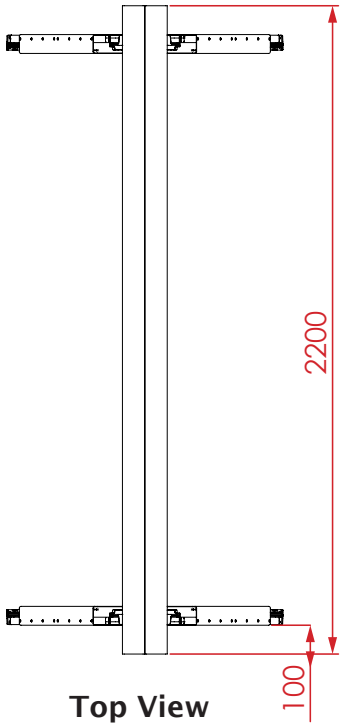
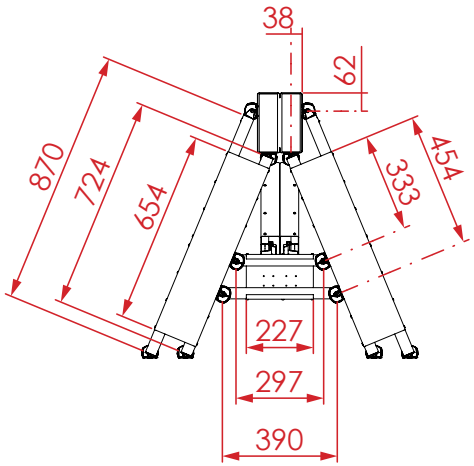
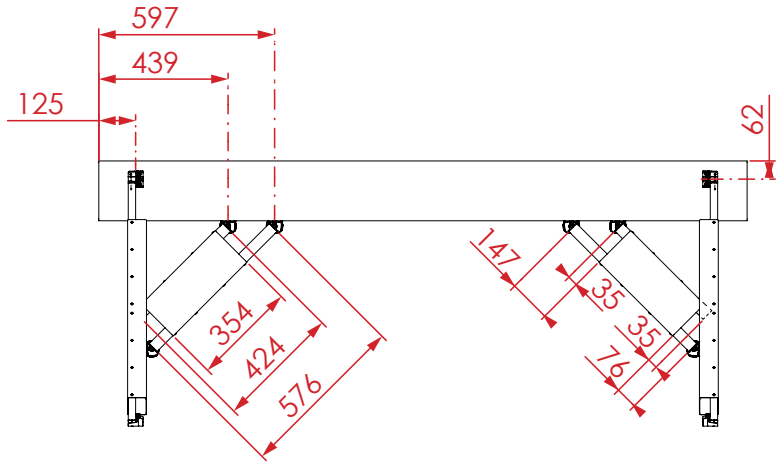


Top View



End View



Side View