

# 150C Purlin Trestle

## C Purlin Trestle

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### *User Manual*

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

Designed by

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Engineered by

**sbec.** SCHMIDT  
BENTLEY  
ENGINEERING  
CONSULTING

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# General Arrangement

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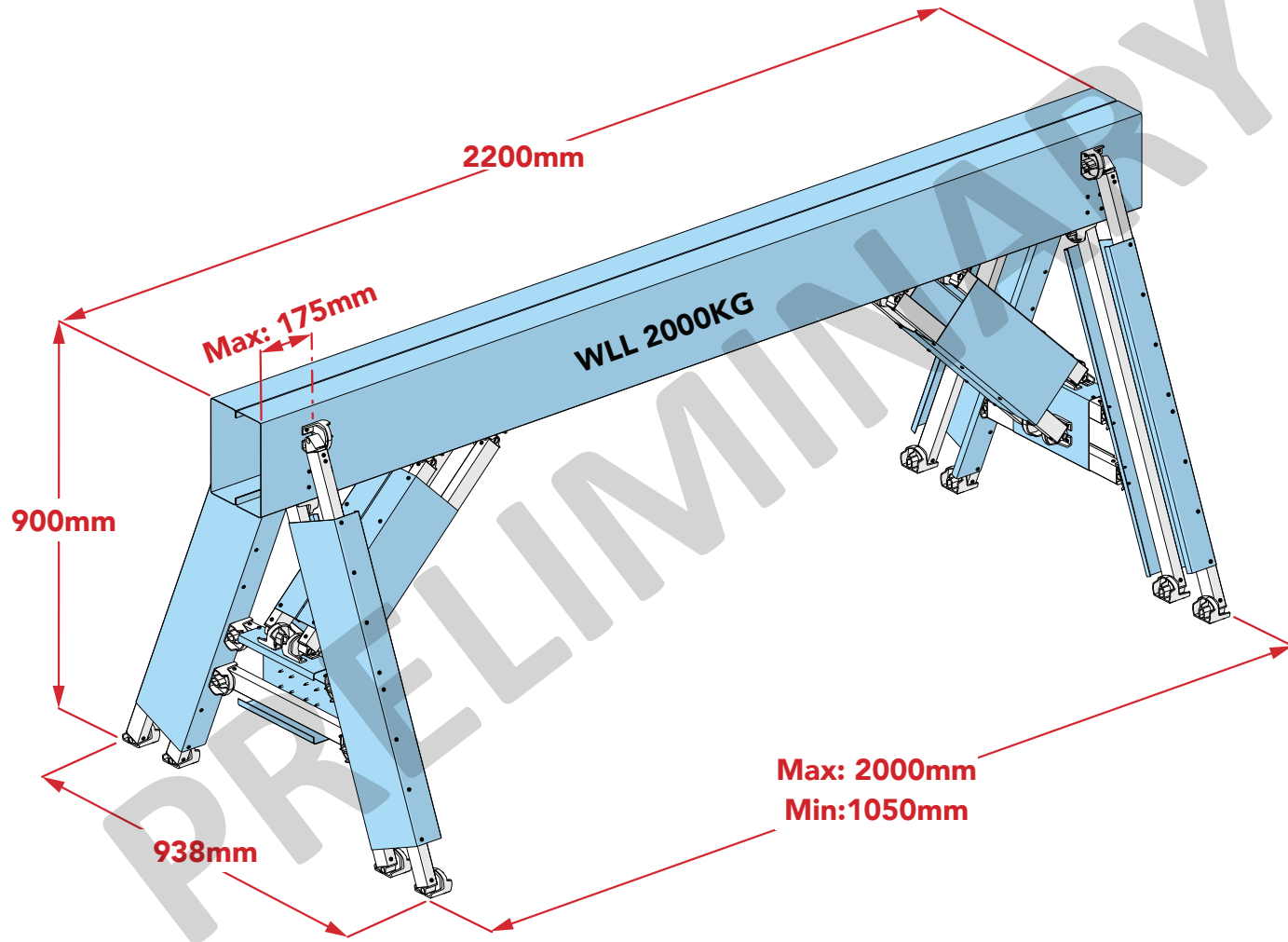
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# Materials List

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## KWIKTECH KITS

ITEM	QUANTITY	RESELLER PRICE
Kwiktech DIY Square Kit (NOTE: Some items will not be used)	2	
Kwiktech DIY Creator Kit (NOTE: Some items will not be used)	1	

## NON KWIKTECH ITEMS

ITEM	ITEM ID #	ASSEMBLY ID #	LENGTH	COLOUR	QUANTITY	RESELLER PRICE
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

## REQUIRED KWIKTECH ITEMS (INCLUDED IN KIT)

ITEM	QUANTITY	ITEM	QUANTITY
Post Connector (KT-P-001)	0	10G x 16 Self Drilling Wafer Head Screw	250
Universal Connector (KT-P-002)	40	M6 x 40 Socket Head Cap Screw - Zinc	40
Rail Inserts (KT-P-003)	32	M6 x 20 Hex Head Bolt - Galv	0
60° Rail Inserts (KT-P-004)	8	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	3
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

## C Purlin Trestle

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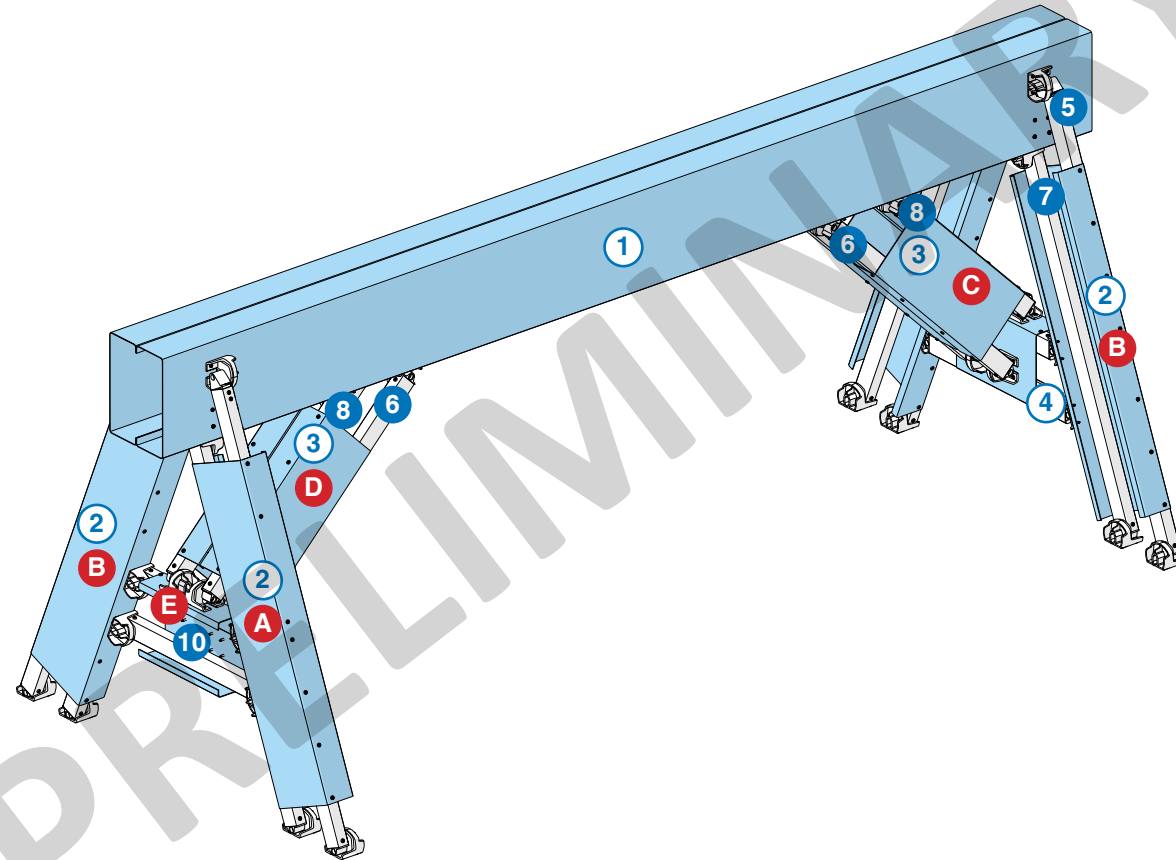
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**NOTE:** Some member ID's hidden for clarity.

# Rail Assembly

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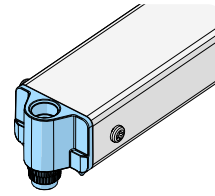
## Rail Setup

Refer to build guide for  
assembly details.

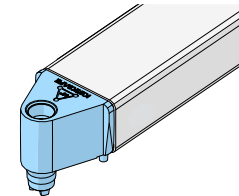
All members have a  
Standard insert unless  
otherwise noted.

Mark item ID on each member.

### RAIL INSERT TYPES

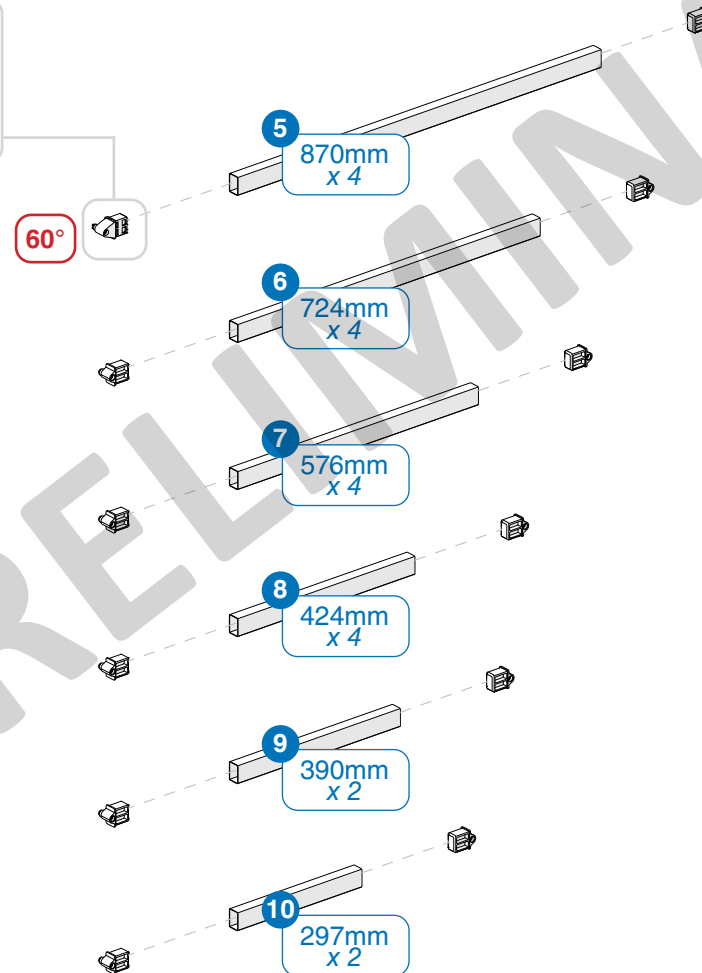


Standard



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

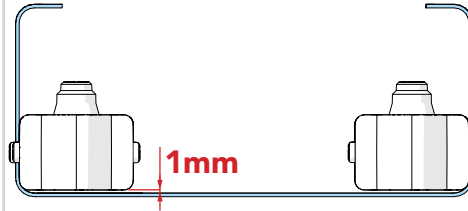
Refer to build guide  
for assembly details.

Mark assembly ID  
on each member.

Use of C Clamp  
recommended for Rail  
to C Purlin Fixing

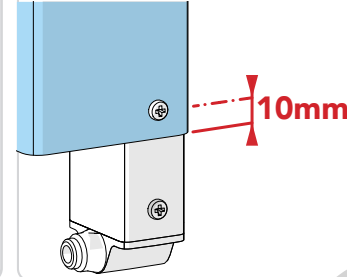
## MEMBER ORIENTATION

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



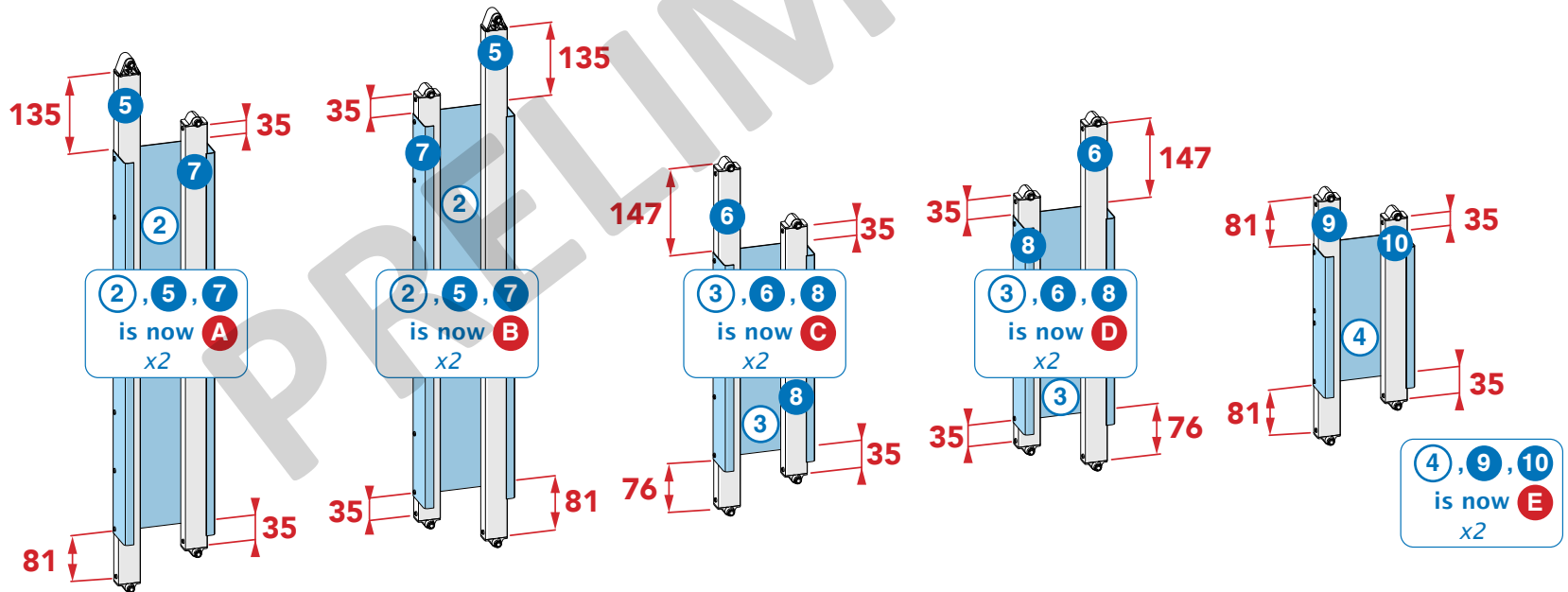
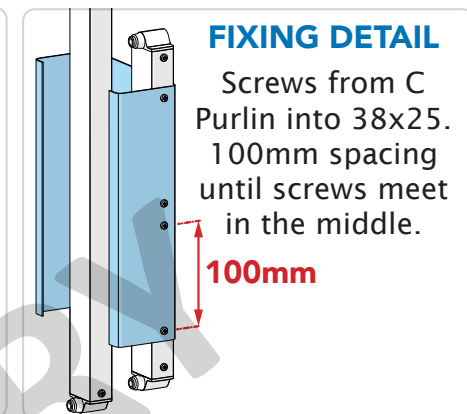
## ENDS FIXING DETAIL

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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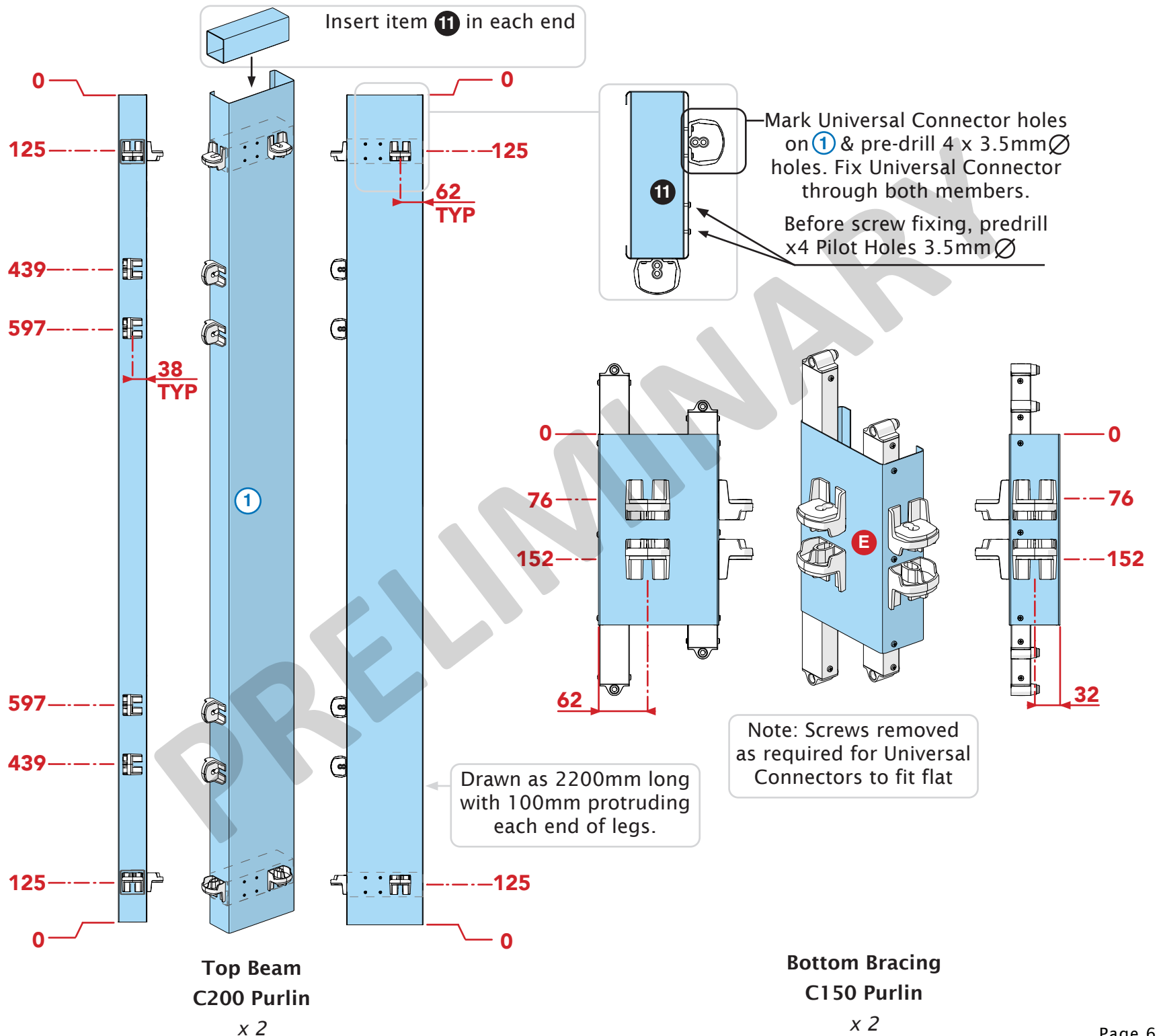
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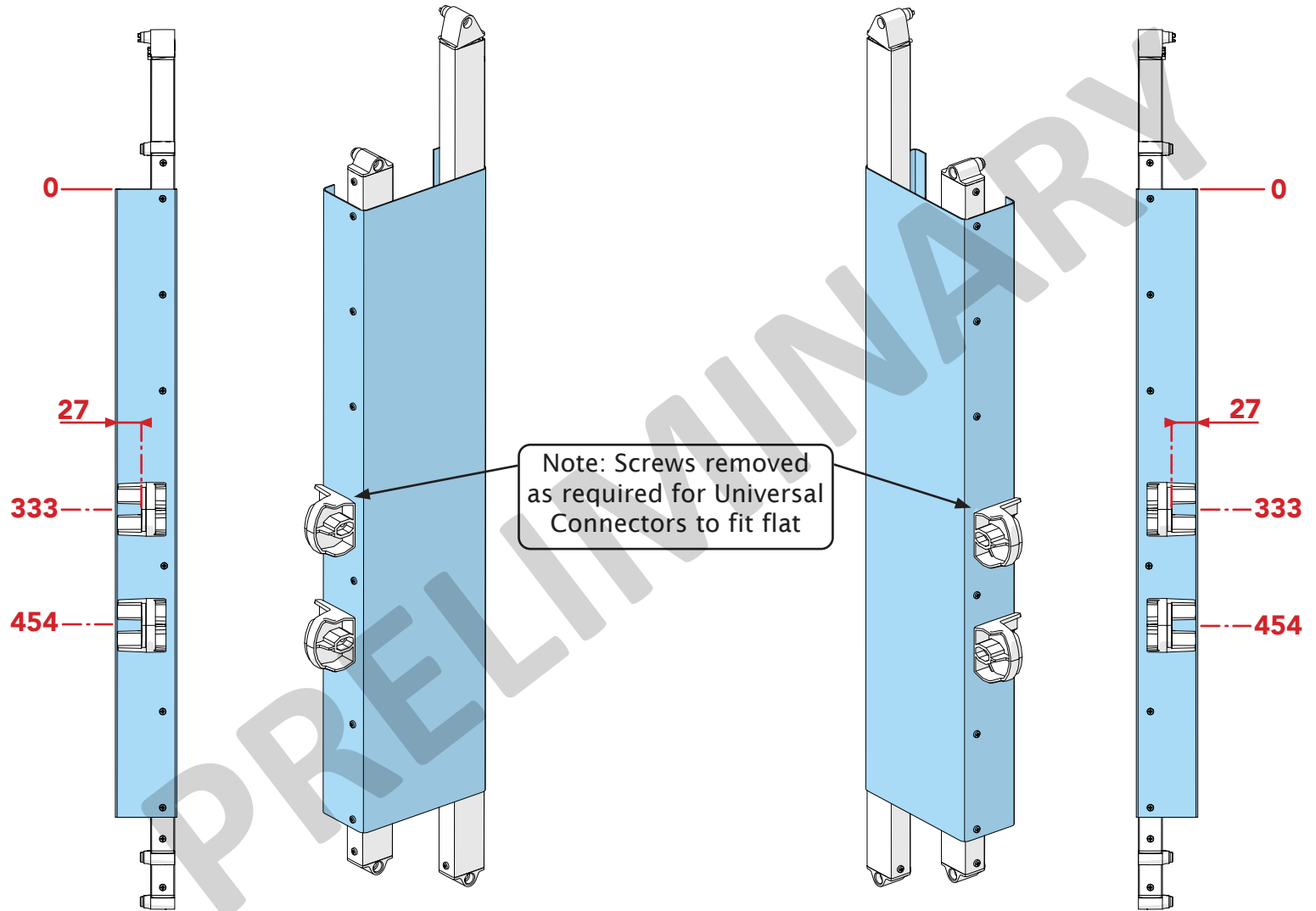
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**Angled Legs A**  
**C150 Purlin**  
x 2

**Angled Legs B**  
**C150 Purlin**  
x 2



# Assembly Steps

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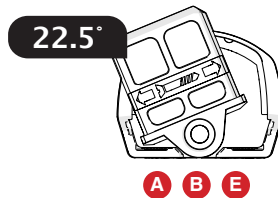
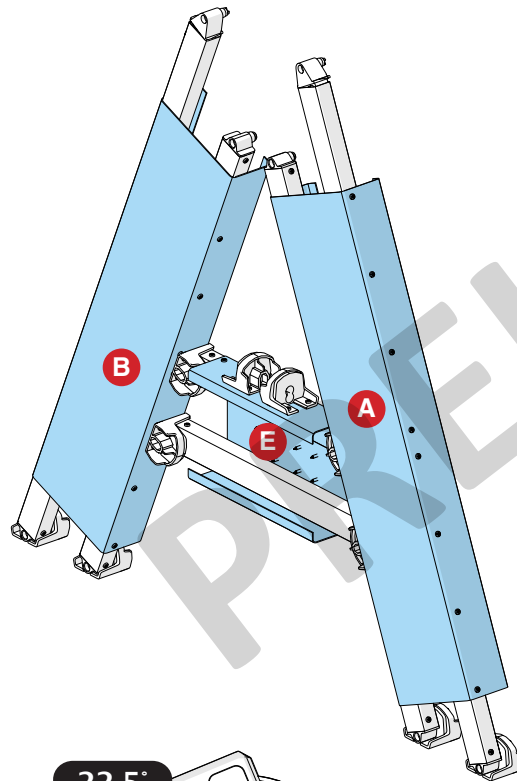
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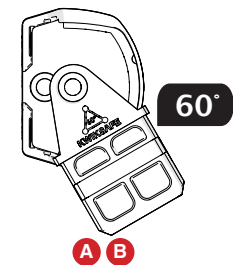
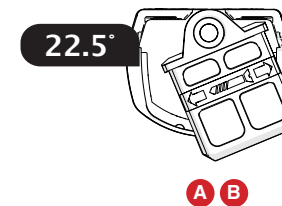
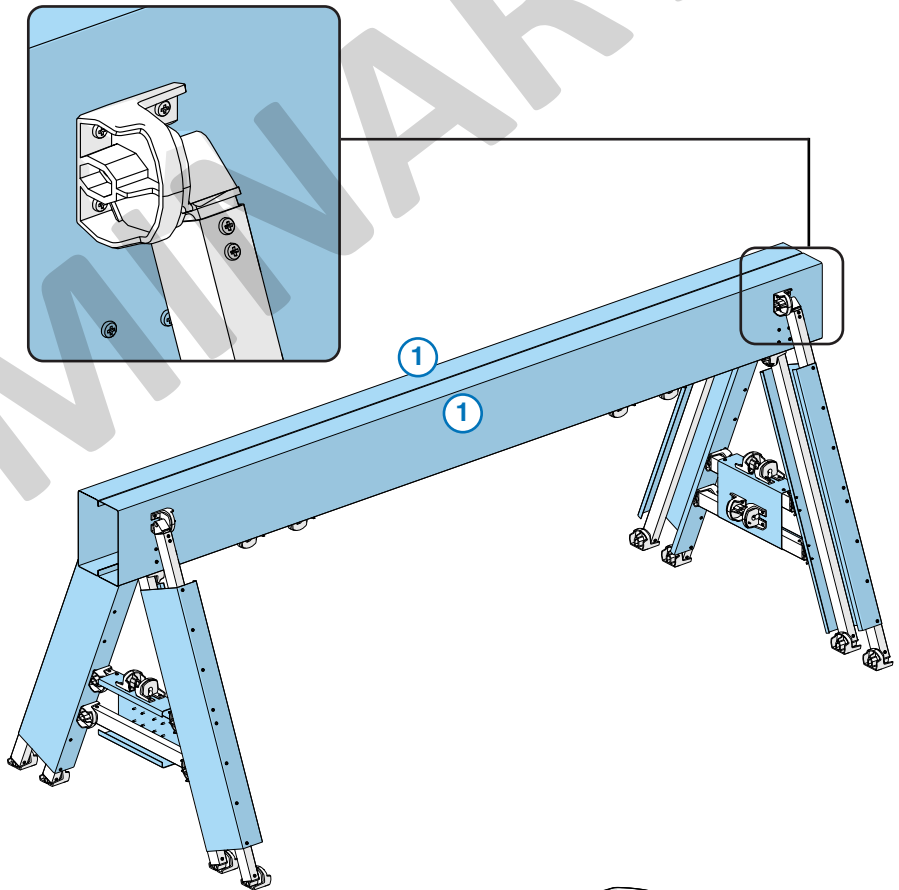
### Step 1

Assemble both leg ends.



### Step 2

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



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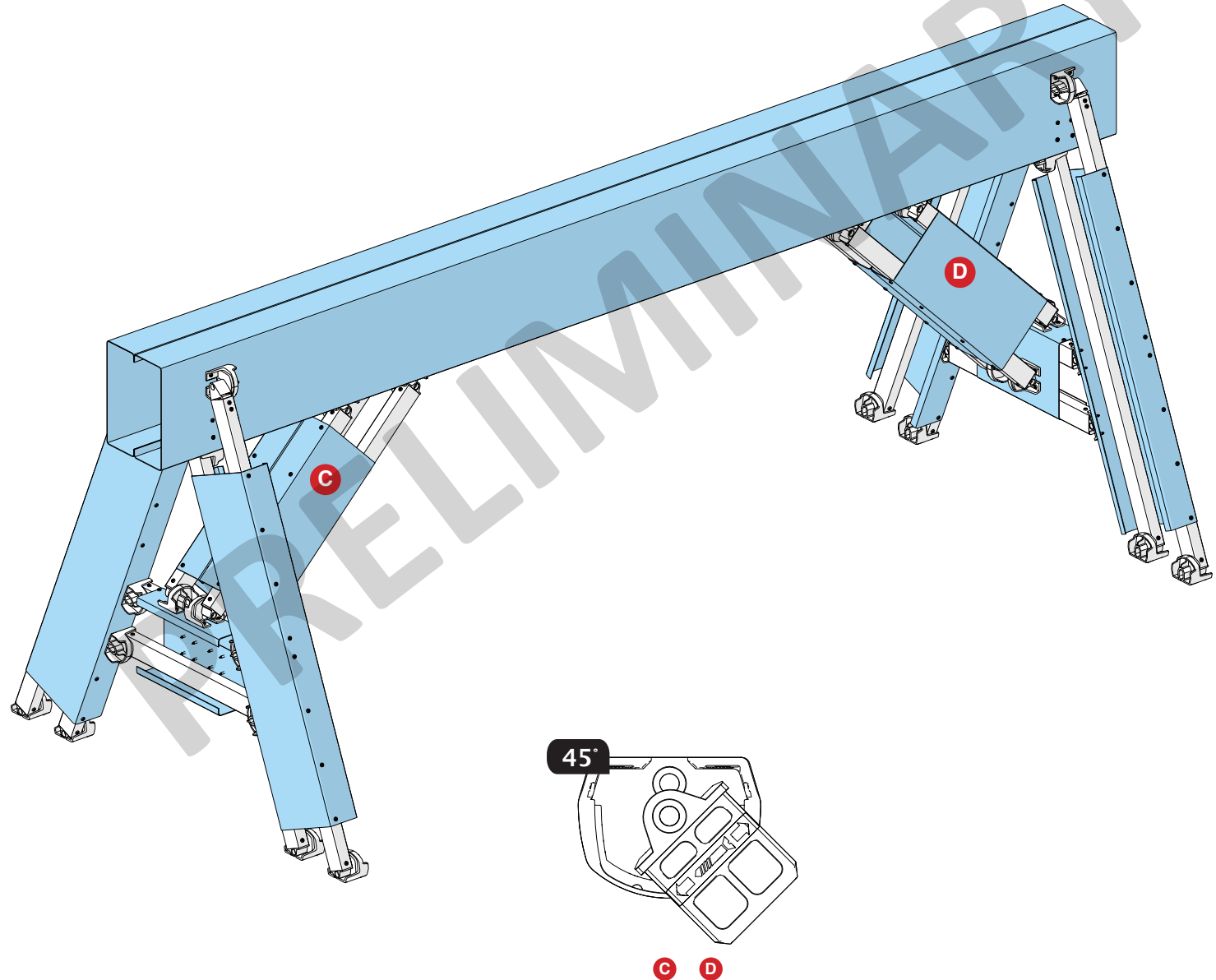
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### Step 3

Secure Trestle legs with underside diagonal bracing.



# Blueprint Dimensions

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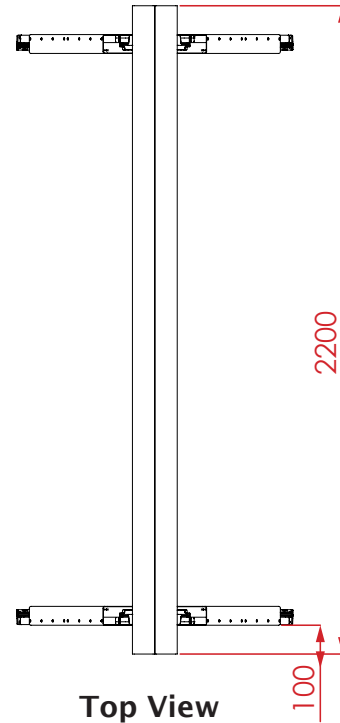
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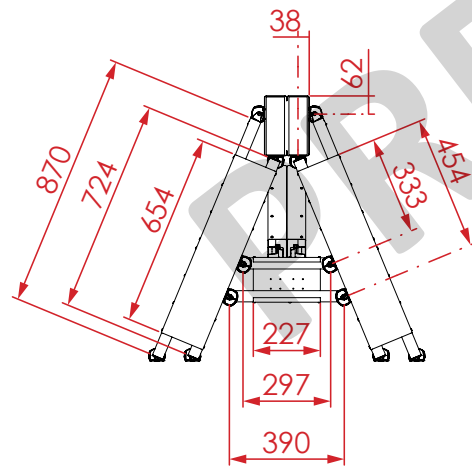
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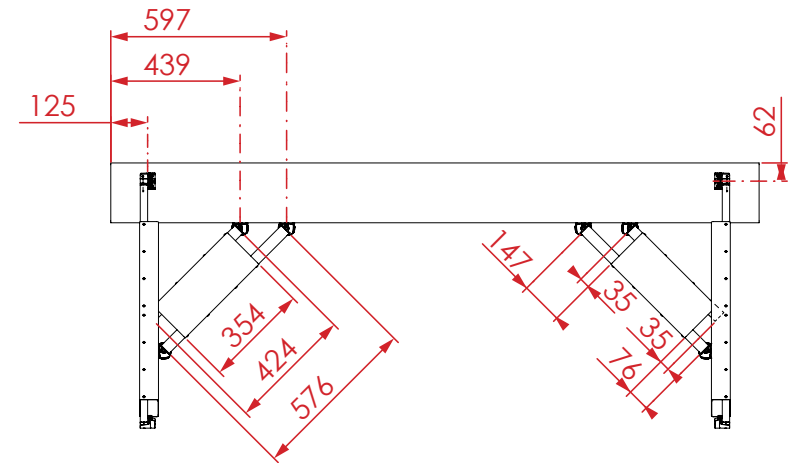
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Top View



End View



Side View