

# DIY Hanging System



Code: (GWB-002-001)



STANDARD COMPONENTS INDEX



= X20

INDAUX EXPANDA PIN  
34mm X 5mm



= X20

INDAUX CAM - 15mm



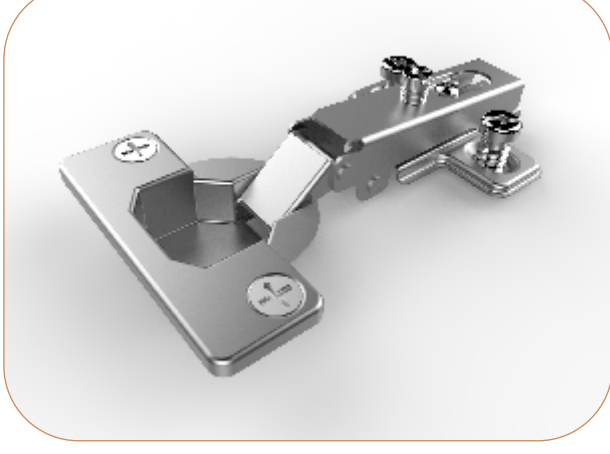
= X40

BIRCH DOWEL  
8mm X 30mm



= X4

INDAUX MAMUL - 140mm



= X8

SDT HINGE CUP  
110 DEGREES



= X22

SQUARE HEAD WOOD  
SCREW 6mm X 16mm



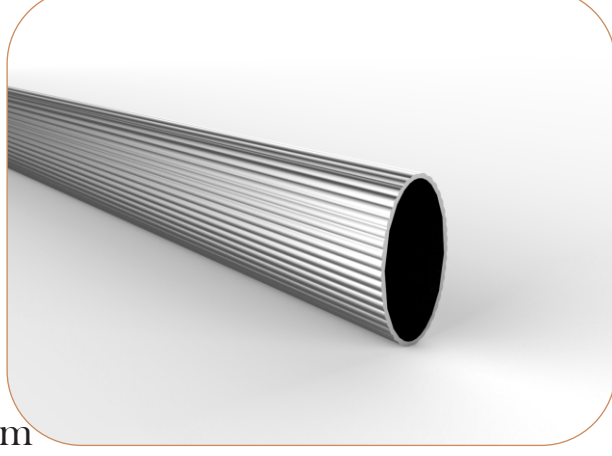
= X8

SQUARE HEAD WOOD  
SCREW 6mm X 30mm



= X2

OVAL RAIL CAP



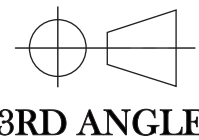
= X1

OVAL HANGING RAIL  
861mm



Designed By:  
**KSTENE**  
INDUSTRIAL DESIGN & ENGINEERING  
INNOVATION INGENUITY INSPIRATION

\* RESEMBLES CRITICAL DIMENSIONS  
# RESEMBLES ECR CHANGES



3RD ANGLE

ECR: N/A

DATE: 24-02-2016

LEVEL: 1

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REVISION

TITLE: STANDARD COMPONENTS INDEX		
PART NUMBER: (GWB-002-001-001)		SCALE : 1:8 (UOS)
NAME		DATE
ENGINEERED BY: KOSTA KOUMENTAKOS		18-04-2016
DRAWN BY: KOSTA KOUMENTAKOS		18-04-2016
APPROVED BY: ANASTASIOS ASTERIOU		18-04-2016

PAGE: 1 OF 13

STEP 1

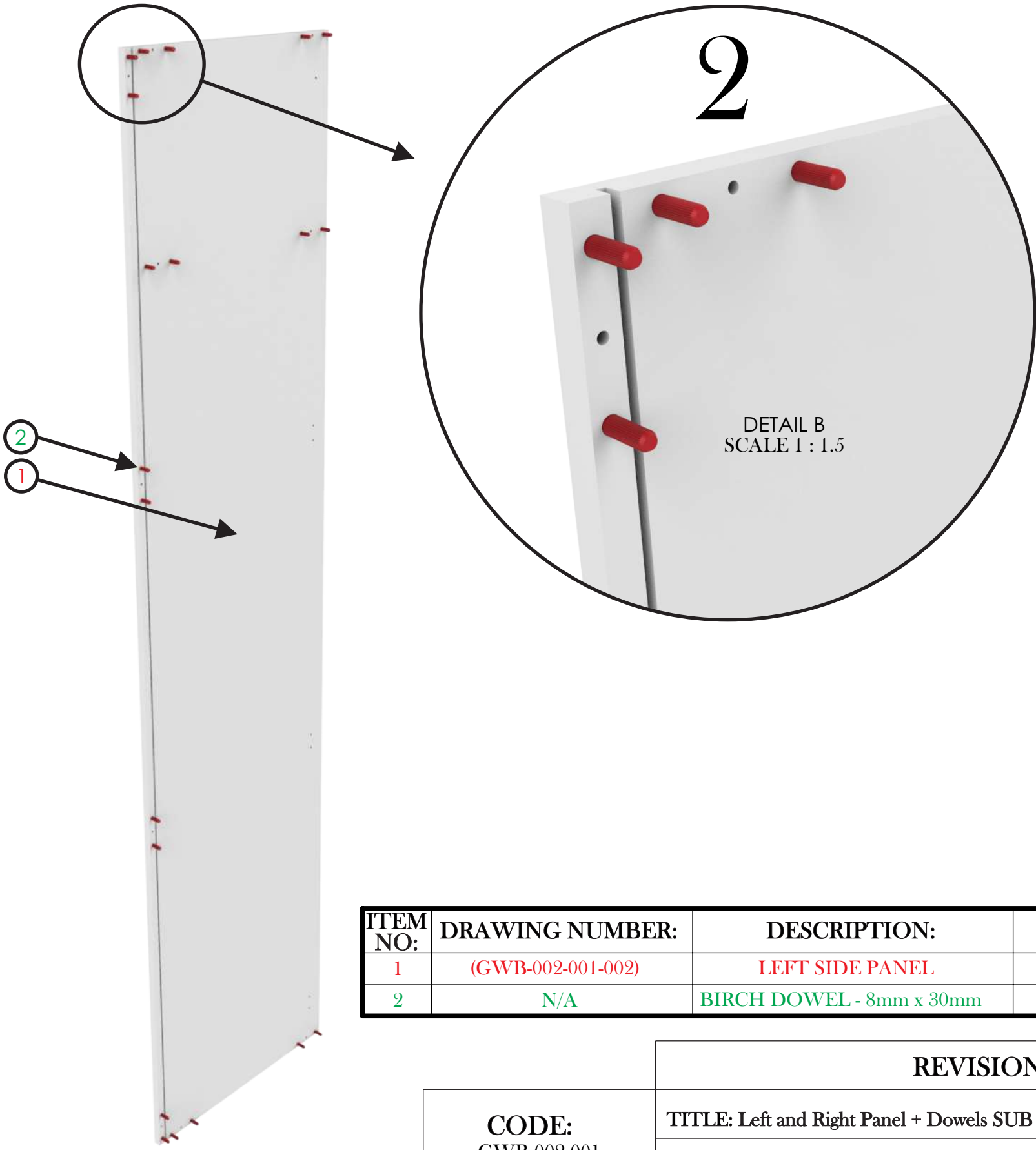
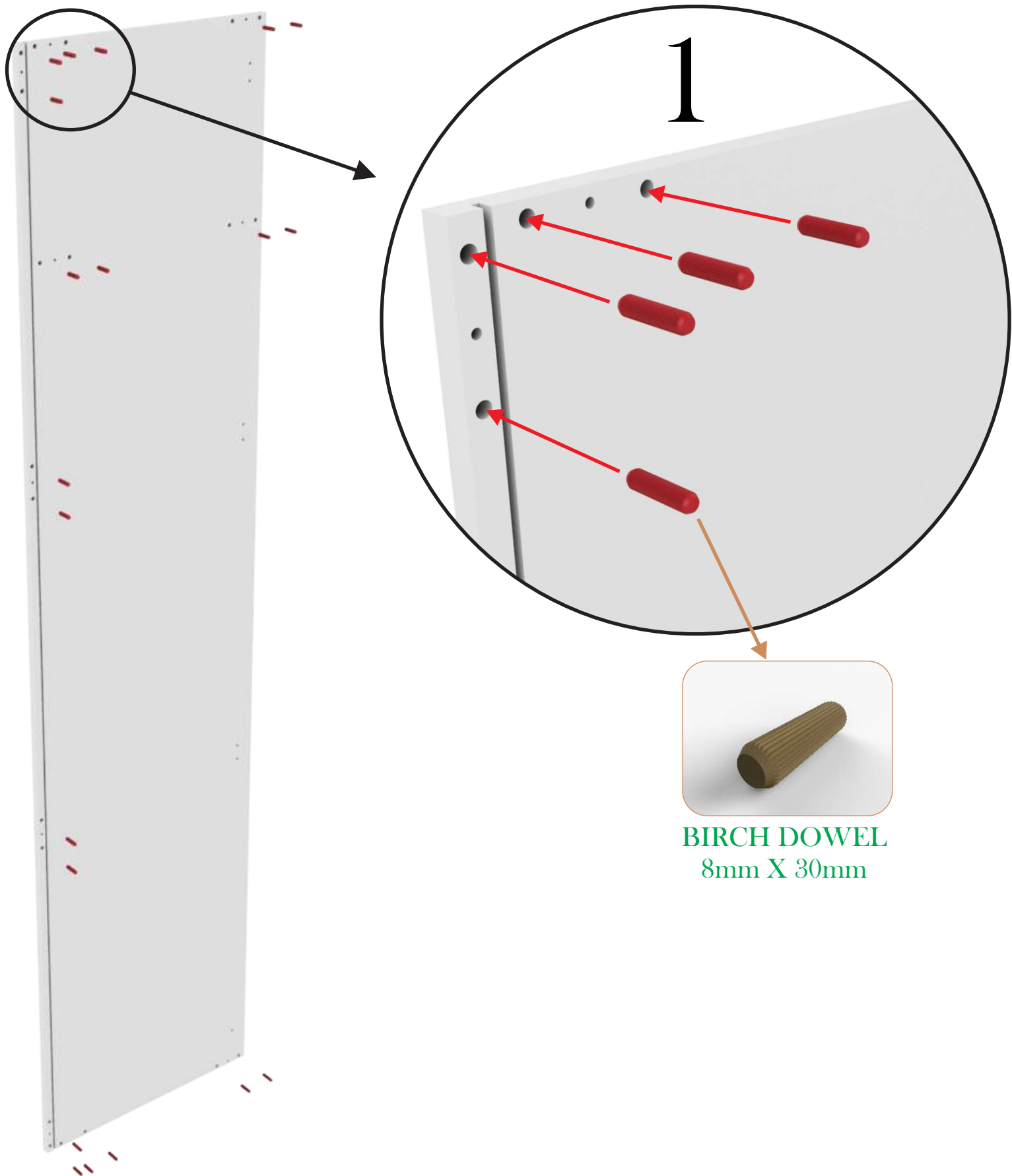
Place part **BIRCH DOWELS** into part **LEFT SIDE PANEL**, use the pre-drilled holes as shown in the pictures below:

NOTE:

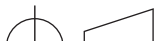
As done in STEP 1, place part **BIRCH DOWELS** into part **LEFT SIDE PANEL**, use the pre-drilled holes as shown in the pictures below:

WARNING:

Do not hit the **BIRCH DOWELS** into place as they could damage the exterior of the **SIDE PANELS**.



ITEM NO:	DRAWING NUMBER:	DESCRIPTION:	MATERIAL:	QTY:
1	(GWB-002-001-002)	LEFT SIDE PANEL	16mm MELAMINE	1
2	N/A	BIRCH DOWEL - 8mm x 30mm	N/A	20

	REVISION	
CODE: GWB-002-001	TITLE: Left and Right Panel + Dowels SUB ASS	
	PART NUMBER: (GWB-002-001-002)	SCALE : 1:8 (UOS)
METRIC ALL DIMENSIONS ARE IN mm	NAME	DATE
	ENGINEERED BY: KOSTA KOUMENTAKOS	18-04-2016
 3RD ANGLE	DRAWN BY: KOSTA KOUMENTAKOS	18-04-2016
	APPROVED BY: ANASTASIOS ASTERIOU	18-04-2016



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\* RESEMBLES CRITICAL DIMENSIONS  
# RESEMBLES ECR CHANGES

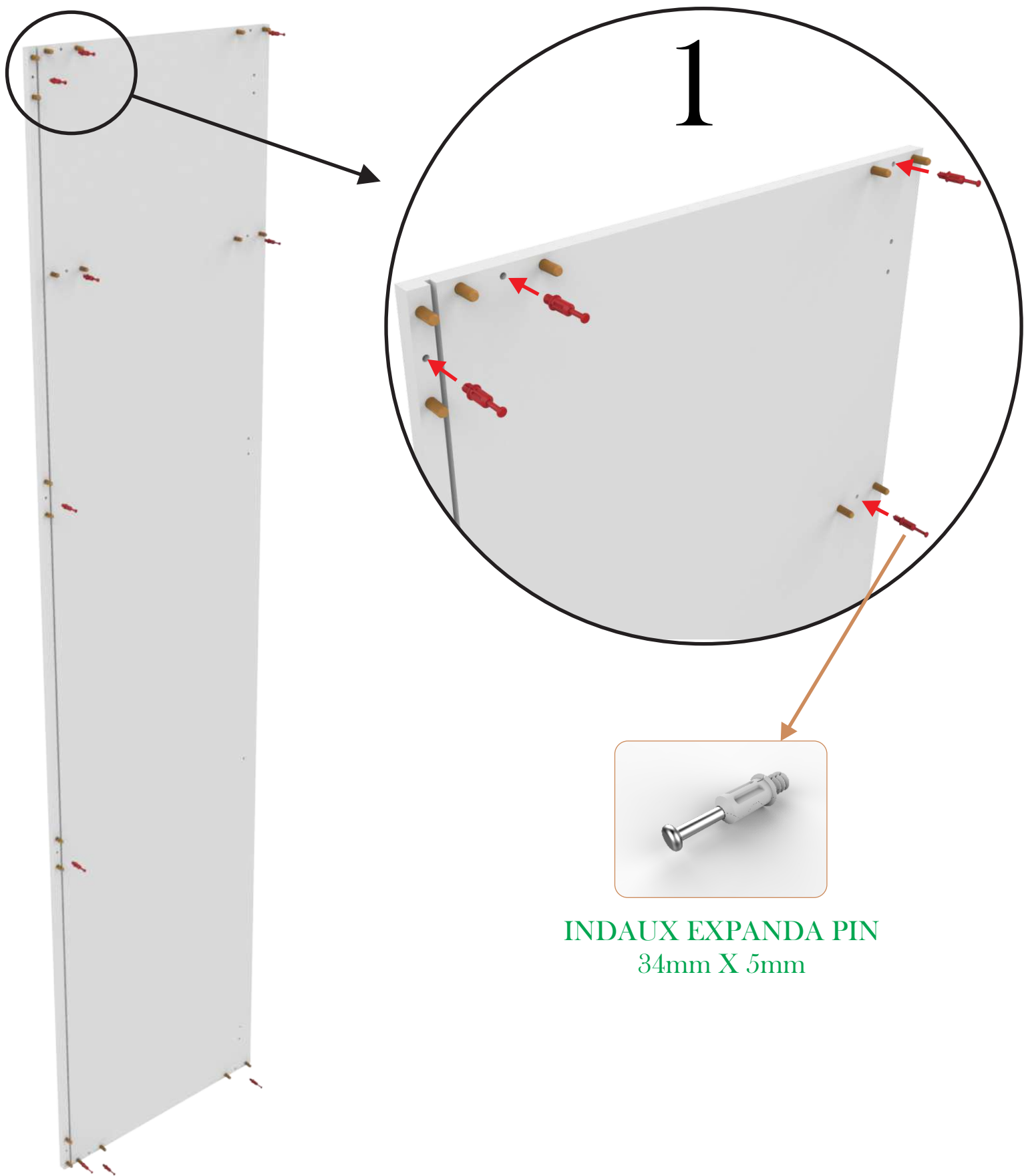


STEP 2

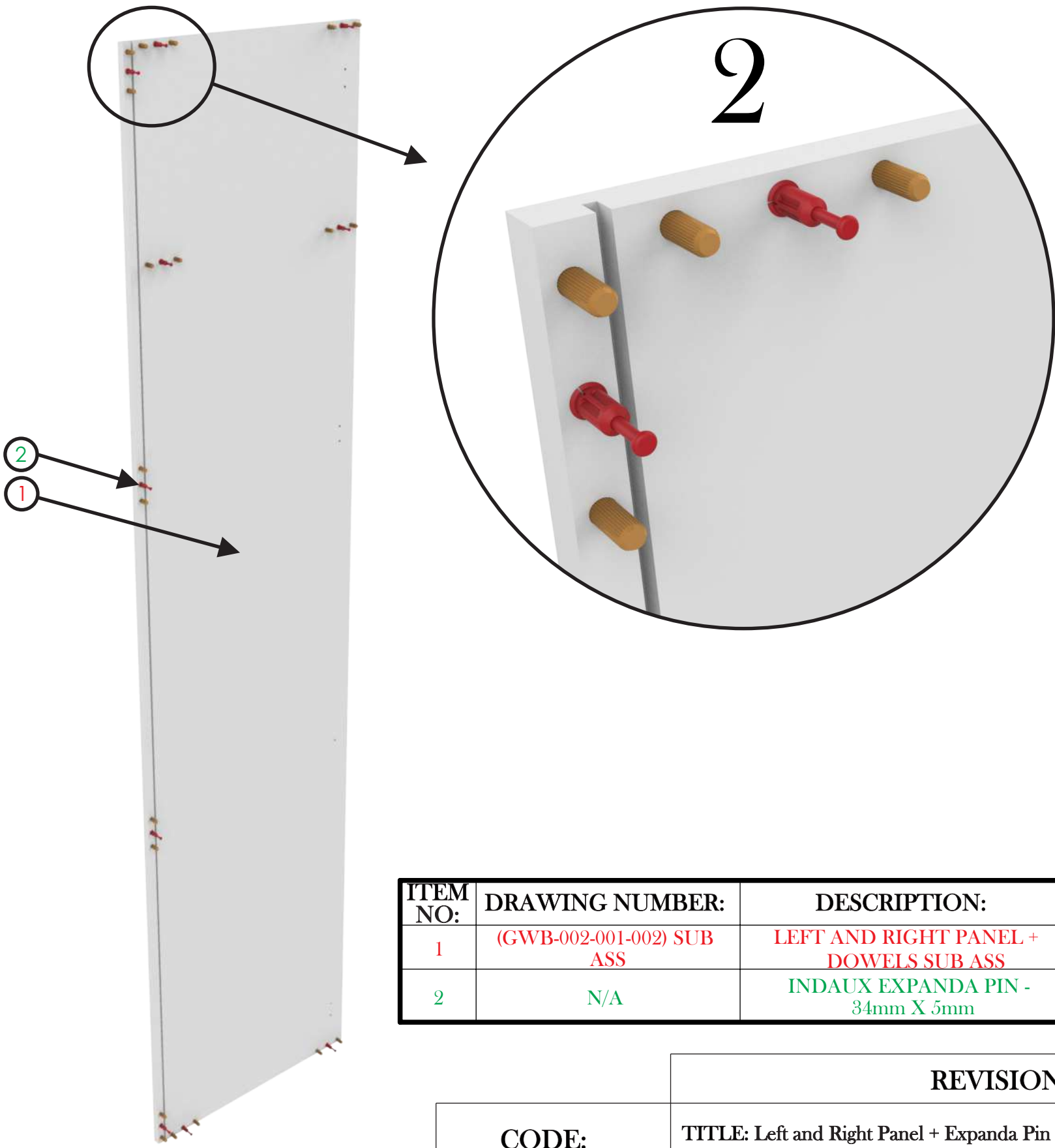
Place part **INDAUX EXPANDA PIN** into part **LEFT AND RIGHT SIDE PANEL + DOWELS SUB ASS**, use the pre-drilled holes as shown in the pictures below:

NOTE:

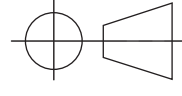
You should have 2 sub assemblies like this.



INDAUX EXPANDA PIN  
34mm X 5mm



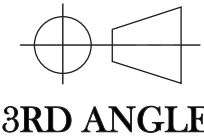
ITEM NO:	DRAWING NUMBER:	DESCRIPTION:	MATERIAL:	QTY:
1	(GWB-002-001-002) SUB ASS	LEFT AND RIGHT PANEL + DOWELS SUB ASS	N/A	1
2	N/A	INDAUX EXPANDA PIN - 34mm X 5mm	N/A	10

REVISION		
CODE: GWB-002-001	TITLE: Left and Right Panel + Expanda Pin SUB ASS	
	PART NUMBER: (GWB-002-001-003)	SCALE : 1:8 (UOS)
METRIC ALL DIMENSIONS ARE IN mm	NAME	DATE
	ENGINEERED BY: KOSTA KOUMENTAKOS	18-04-2016
	DRAWN BY: KOSTA KOUMENTAKOS	18-04-2016
 3RD ANGLE	APPROVED BY: ANASTASIOS ASTERIOU	18-04-2016



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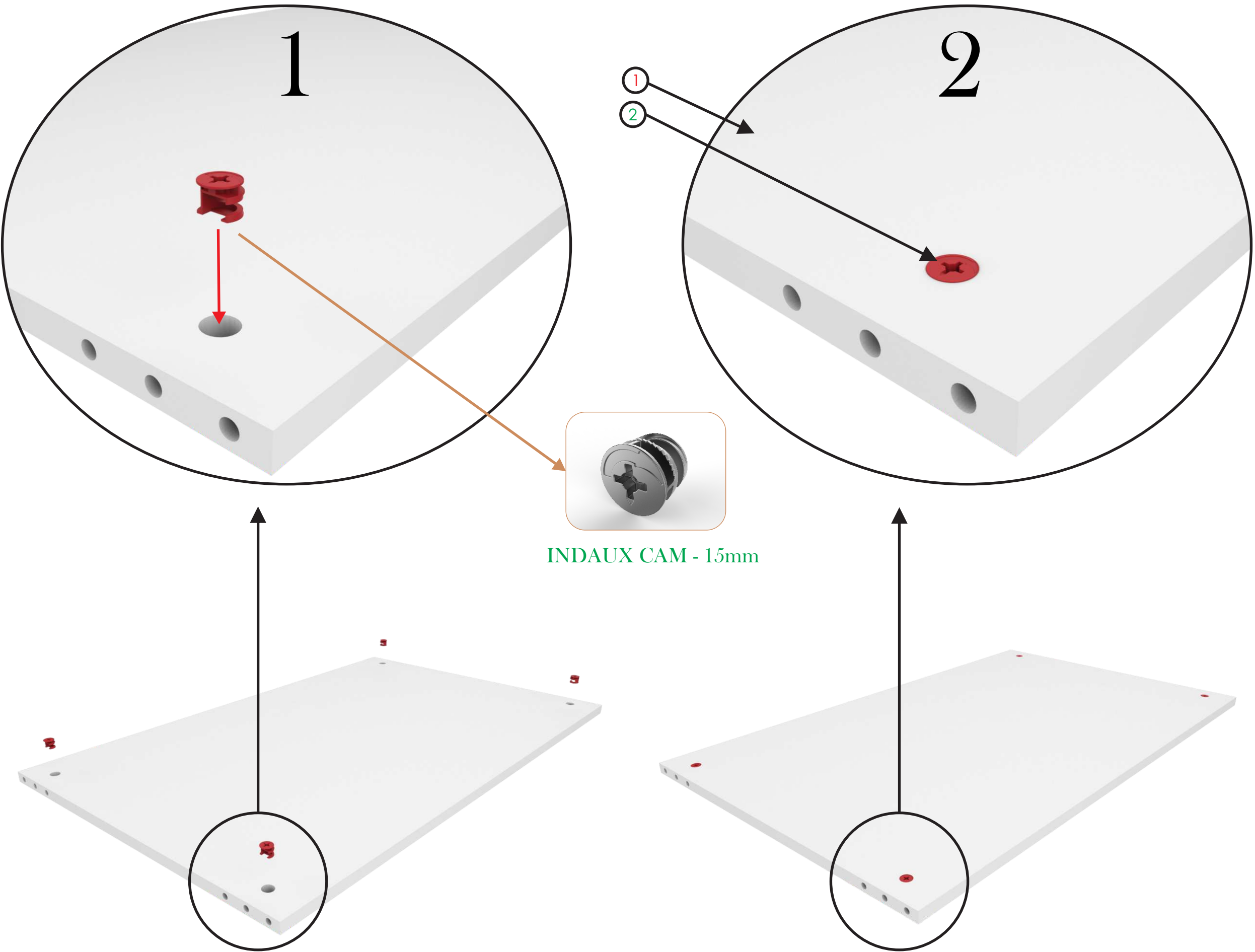
\* RESEMBLES CRITICAL DIMENSIONS  
# RESEMBLES ECR CHANGES



3RD ANGLE

STEP 3

Place part **INDAUX CAM** into part **TOP AND BOTTOM PANEL**, use the pre-drilled holes as shown in the pictures below:

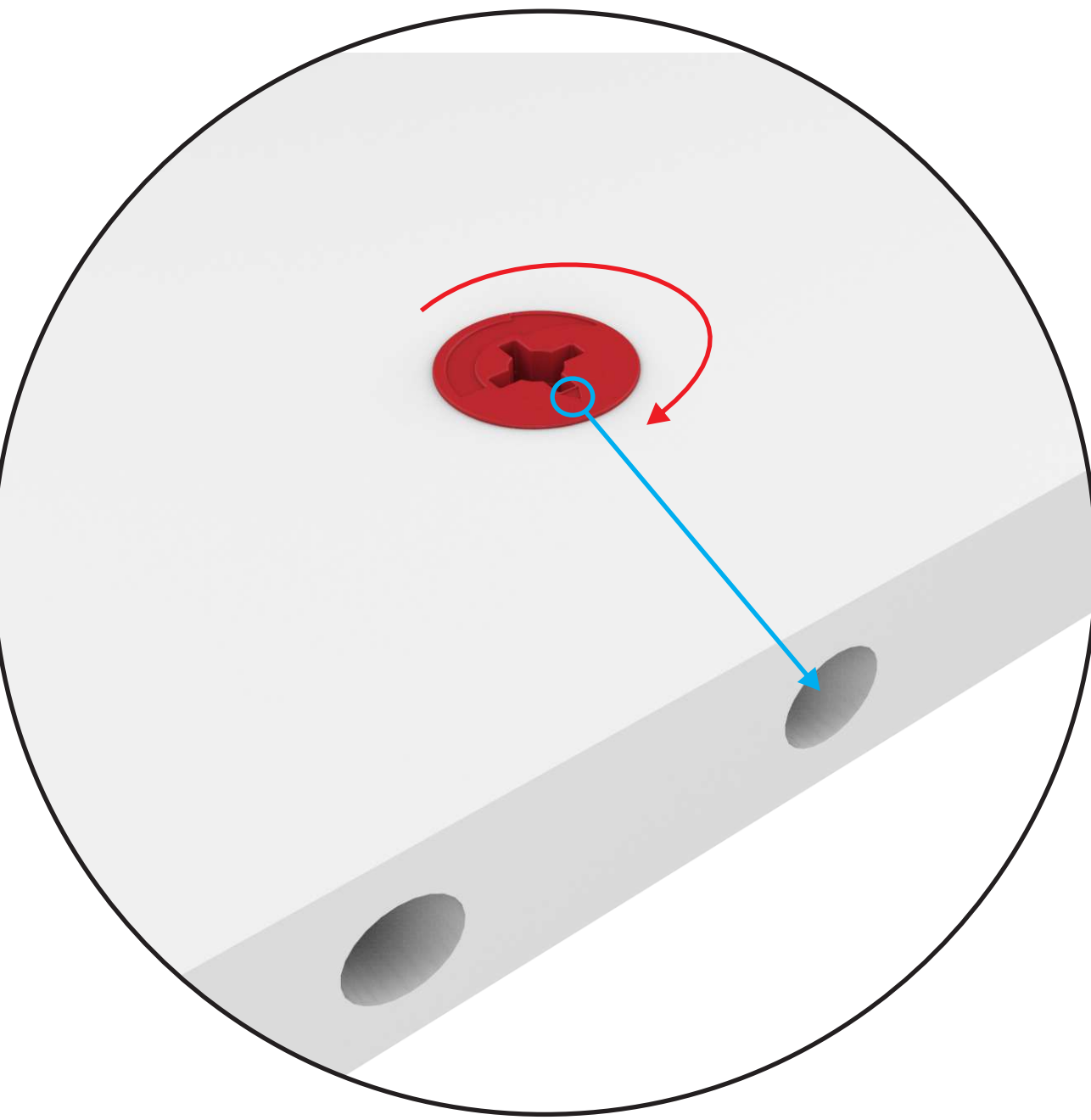


NOTE:

You should have 3 sub assemblies like this.

STEP 4

Turn part **INDAUX CAM** so that the arrow faces the edge of the board where the INDAUX EXPANDA PIN hole has been drilled. See below:



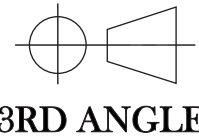
ITEM NO:	DRAWING NUMBER:	DESCRIPTION:	MATERIAL:	QTY:
1	(GWB-002-001-004)	TOP & BOTTOM PANEL	16mm MELAMINE	1
2	N/A	INDAUX CAM - 15mm	N/A	4

REVISION		
CODE: GWB-002-001	TITLE: Top and Bottom Panel + Cam SUB ASS	
	PART NUMBER: (GWB-002-001-004)	SCALE : 1:8 (UOS)
	NAME	DATE
	ENGINEERED BY: KOSTA KOUMENTAKOS	18-04-2016
METRIC ALL DIMENSIONS ARE IN mm	DRAWN BY: KOSTA KOUMENTAKOS	
	18-04-2016	
	APPROVED BY: ANASTASIOS ASTERIOU	
18-04-2016		18-04-2016



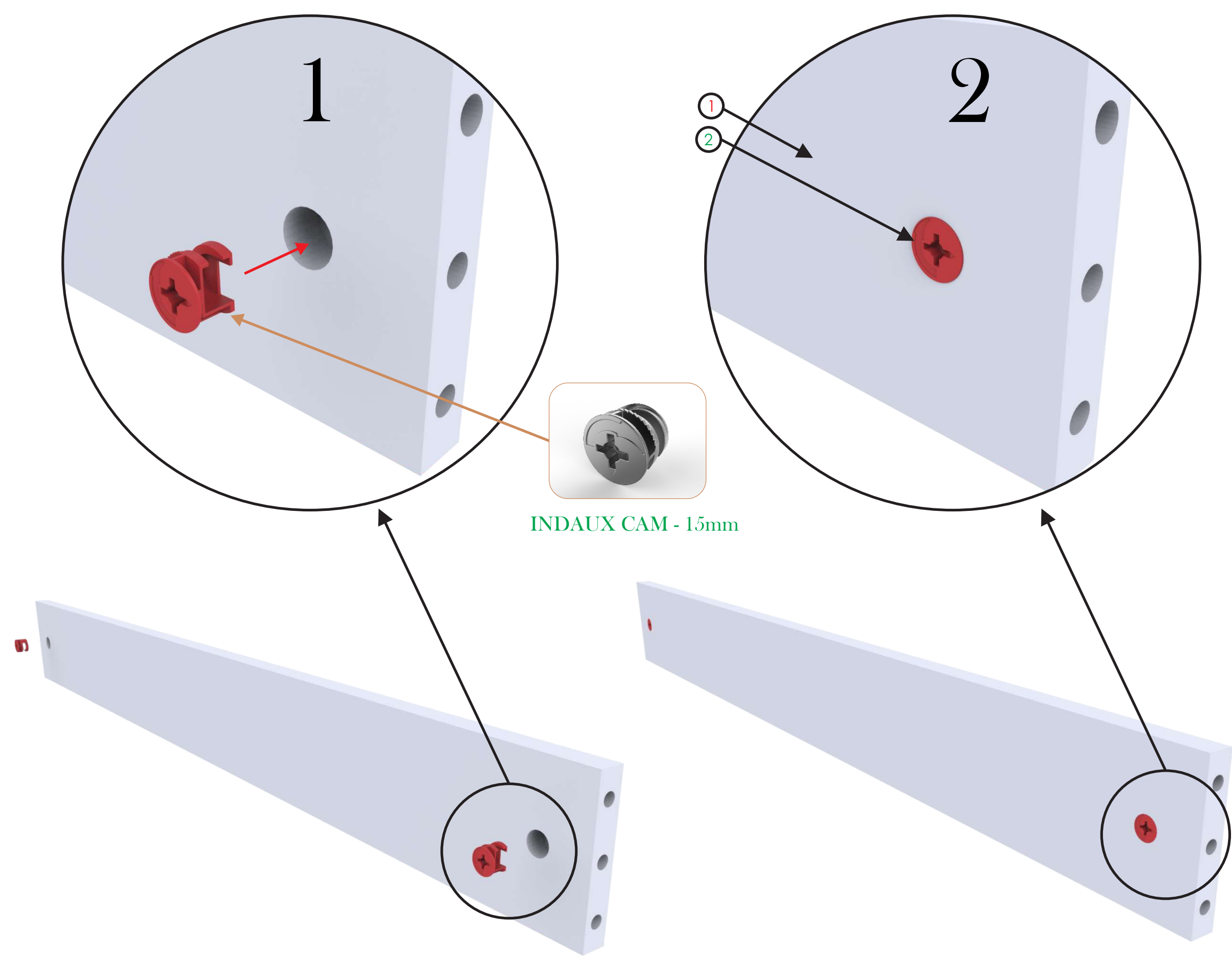
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\* RESEMBLES CRITICAL DIMENSIONS  
# RESEMBLES ECR CHANGES



STEP 5

Place part **INDAUX CAM** into part **CLEAT**, use the pre-drilled holes as shown in the pictures below:

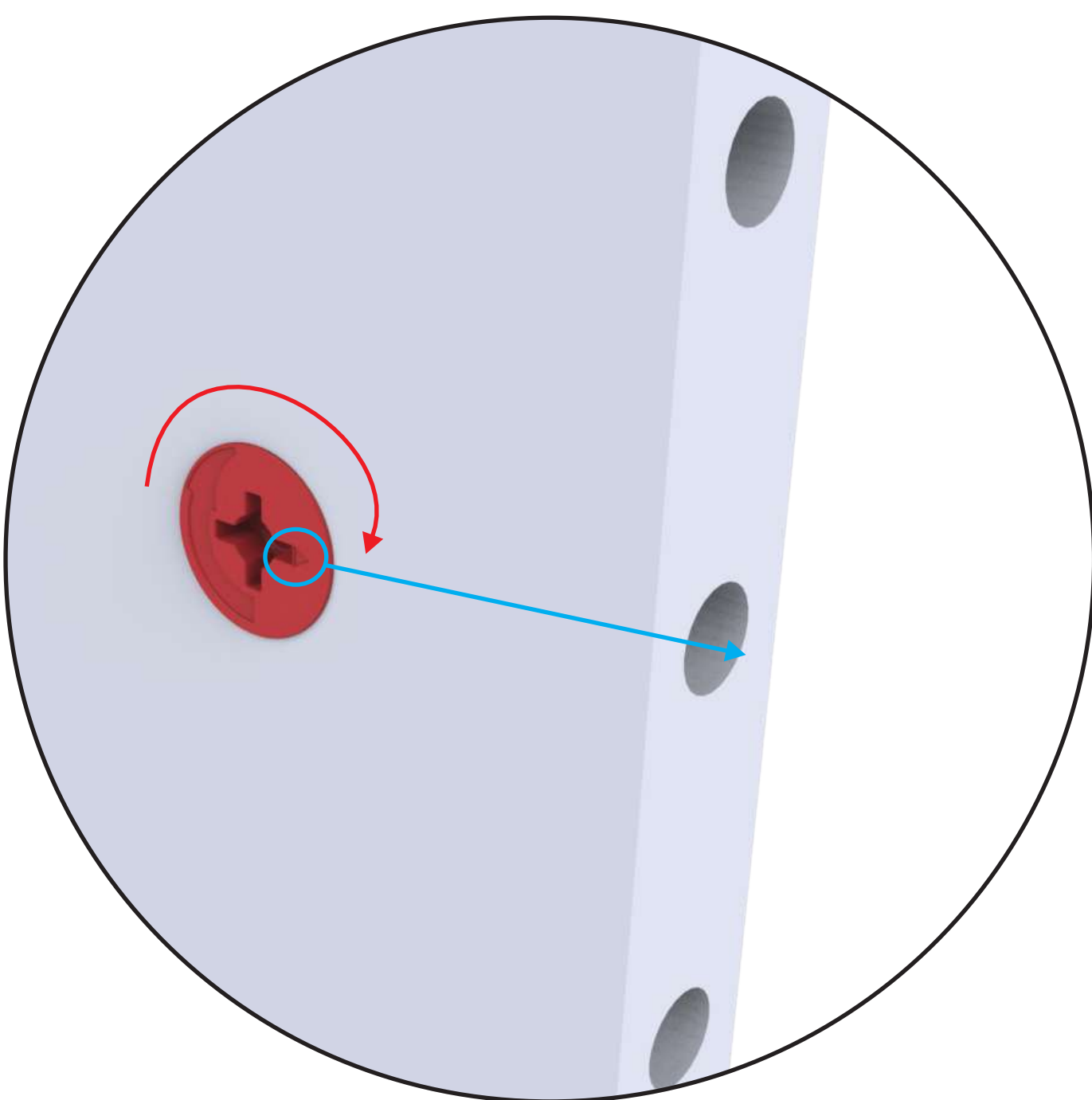


NOTE:

You should have 4 sub assemblies like this.

STEP 6

Turn part **INDAUX CAM** so that the arrow faces the edge of the board where the INDAUX EXPANDA PIN hole has been drilled. See below:



ITEM NO:	DRAWING NUMBER:	DESCRIPTION:	MATERIAL:	QTY:
1	(GWB-002-001-006)	CLEAT	16mm MELAMINE	1
2	N/A	INDAUX CAM - 15mm	N/A	2

REVISION		
CODE: GWB-002-001  METRIC ALL DIMENSIONS ARE IN mm  3RD ANGLE	TITLE: Cleat + Cam SUB ASS	
	PART NUMBER: (GWB-002-001-005)	SCALE : 1:8 (UOS)
	NAME	DATE
	ENGINEERED BY: KOSTA KOUMENTAKOS	18-04-2016
	DRAWN BY: KOSTA KOUMENTAKOS	18-04-2016
	APPROVED BY: ANASTASIOS ASTERIOU	18-04-2016



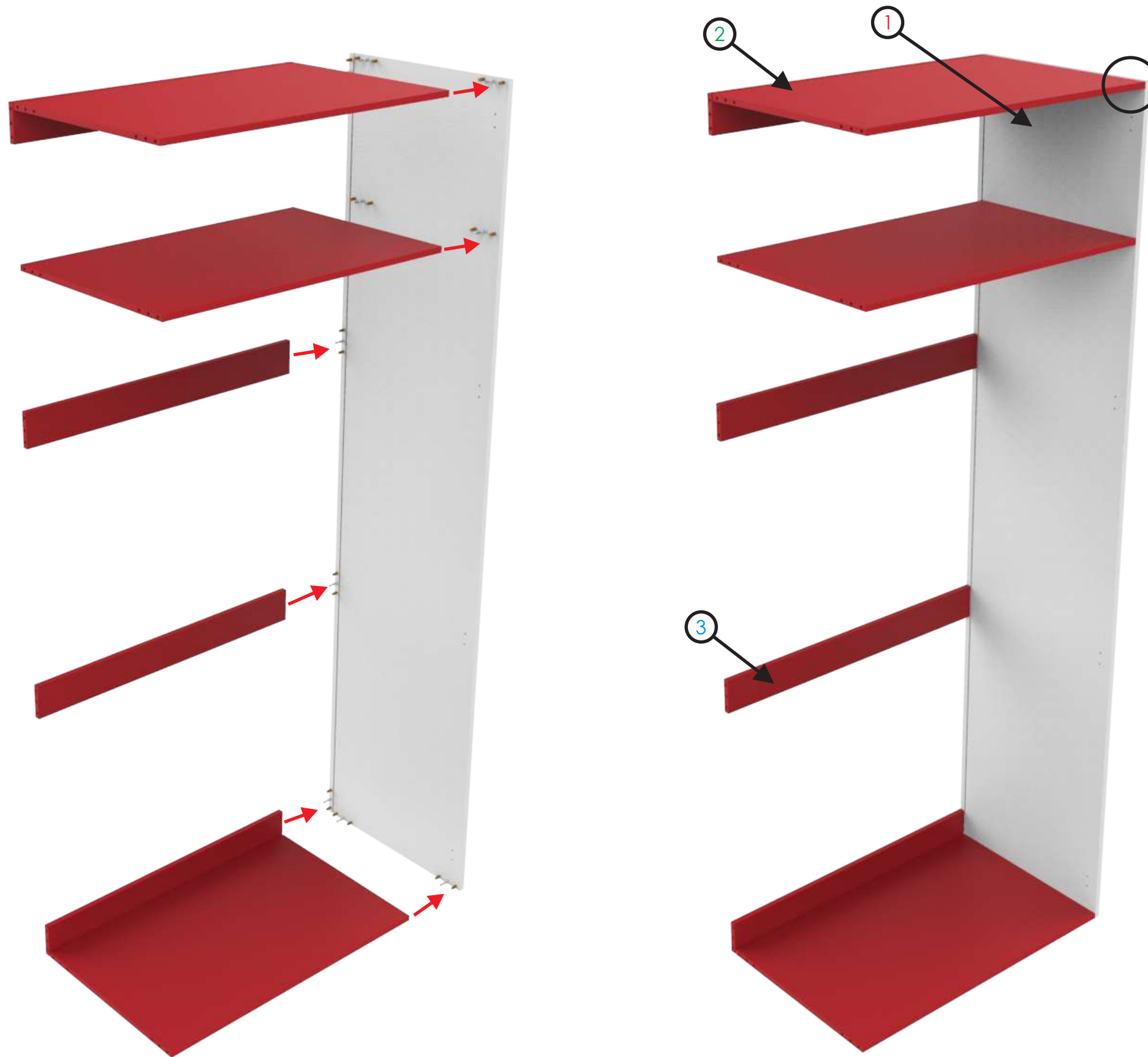
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\* RESEMBLES CRITICAL DIMENSIONS  
# RESEMBLES ECR CHANGES



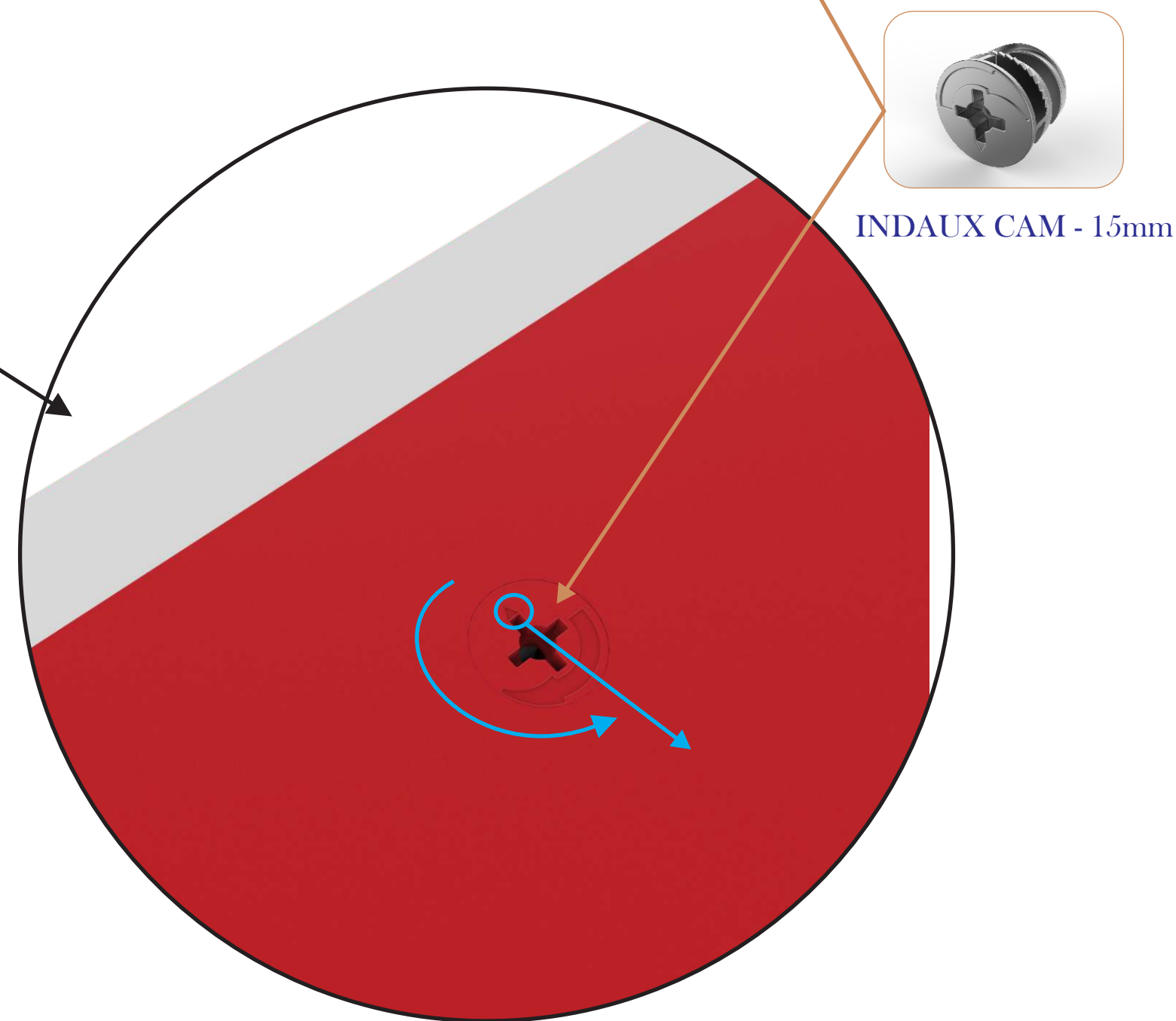
STEP 7

Assemble sub assemblies  
CLEAT + CAM SUB ASS  
TOP AND BOTTOM PANEL + CAM SUB ASS  
LEFT AND RIGHT PANEL + EXPANDA PIN SUB ASS  
as shown below:



STEP 8

Now turn the **INDAUX CAM - 15mm** 180° clockwise to fasten all the panels together.



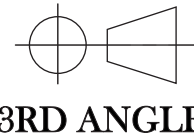
ITEM NO:	DRAWING NUMBER:	DESCRIPTION:	MATERIAL:	QTY:
1	(GWB-002-001-003) SUB ASS	LEFT AND RIGHT PANEL + EXPANDA PIN SUB ASS	N/A	1
2	(GWB-002-001-004) SUB ASS	TOP AND BOTTOM PANEL + CAM SUB ASS	N/A	3
3	(GWB-002-001-005) SUB ASS	CLEAT + CAM SUB ASS	N/A	4

REVISION			
CODE: GWB-002-001	TITLE: Sides + Cleats + Top and Bottom Panel SUB ASS		
	PART NUMBER: (GWB-002-001-006)		SCALE : 1:8 (UOS)
	NAME		DATE
	ENGINEERED BY: KOSTA KOUMENTAKOS		18-04-2016
METRIC ALL DIMENSIONS ARE IN mm	DRAWN BY: KOSTA KOUMENTAKOS		18-04-2016
	APPROVED BY: ANASTASIOS ASTERIOU		18-04-2016



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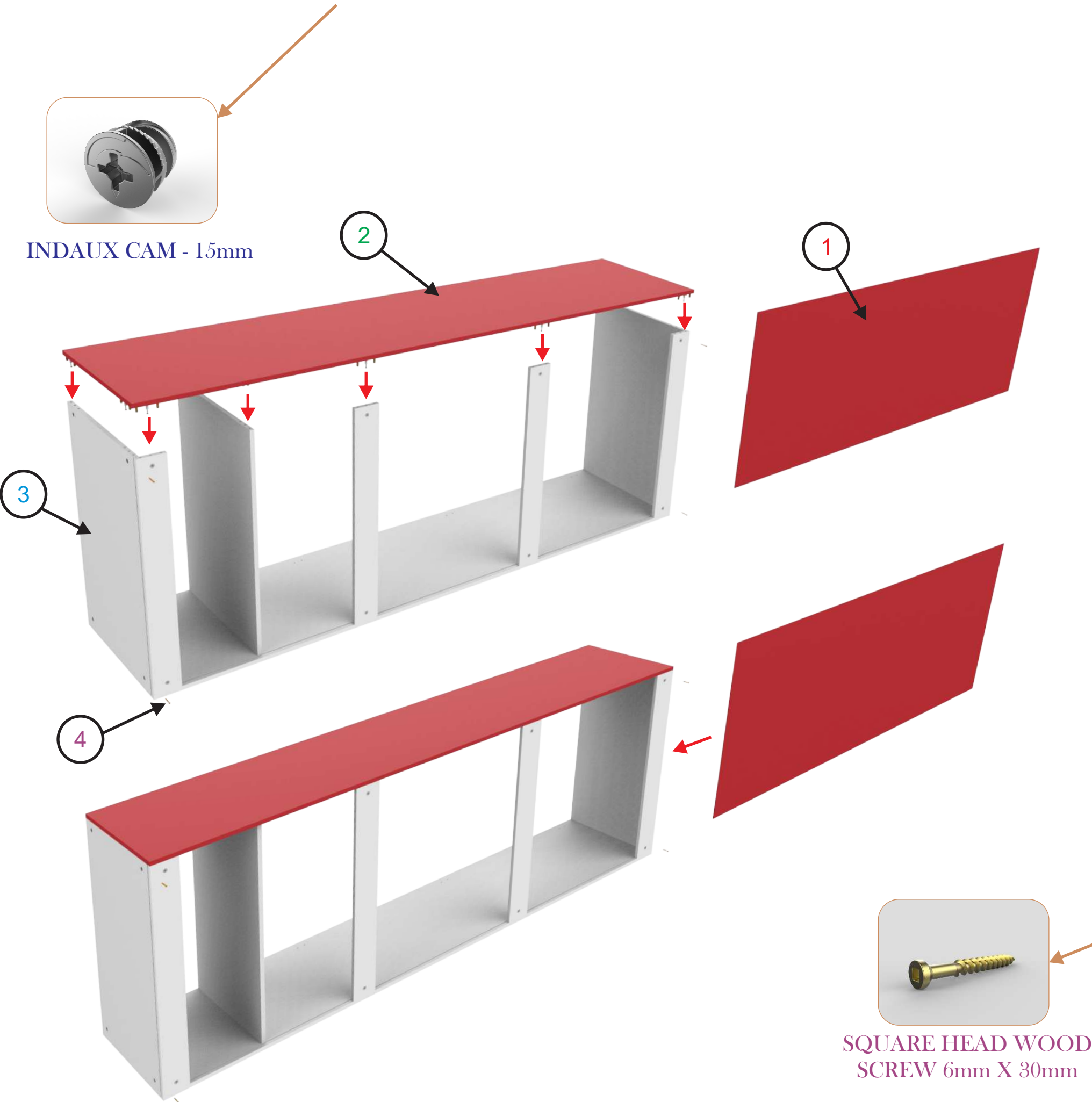
\* RESEMBLES CRITICAL DIMENSIONS  
# RESEMBLES ECR CHANGES



3RD ANGLE

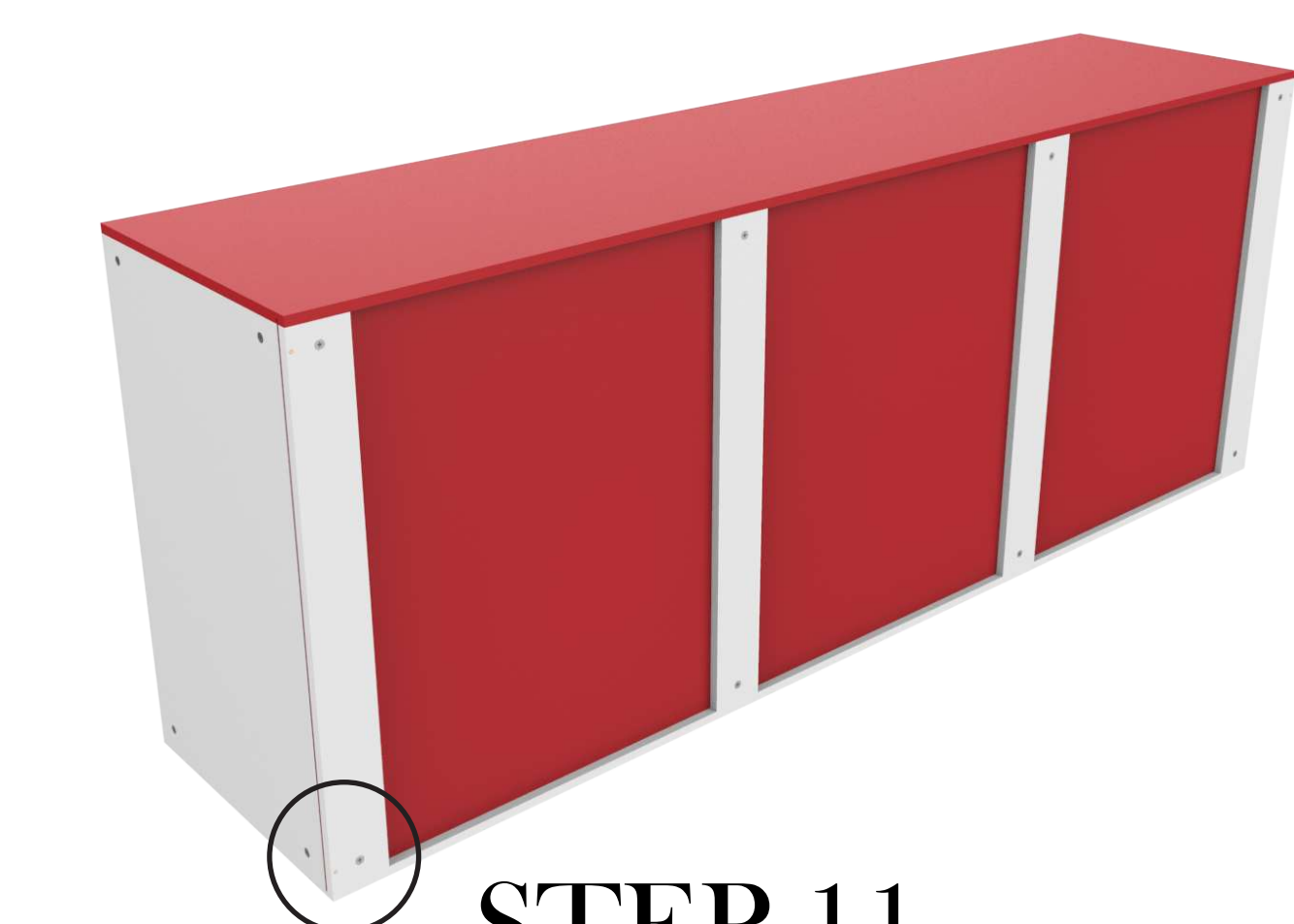
STEP 9

Place assembly **LEFT AND RIGHT PANEL + DOWELS SUB ASS** into assembly **SIDES + CLEATS + TOP AND BOTTOM PANEL SUB ASS** but do not fasten the **INDAUX CAM**. See below:



STEP 10

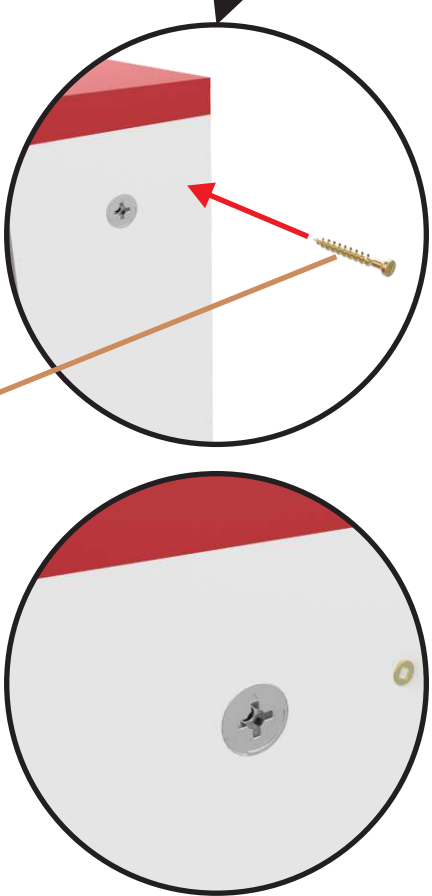
Slide part **BACKING** into your current assembly. Gently knock into the groove provided on the side panels, make sure that all the parts sit flush to one another. Your assembly should look like the picture below:



STEP 11

Fasten the **INDAUX CAMS** to secure assembly **LEFT AND RIGHT PANEL + DOWELS SUB ASS**. Finally screw in the **SQUARE HEAD WOOD SCREW** as seen in the pictures below:

ITEM NO:	DRAWING NUMBER:	DESCRIPTION:	MATERIAL:	QTY:
1	(GWB-002-001-003)	BACKING	4mm MELAMINE	1
2	(GWB-002-001-002) SUB ASS	LEFT AND RIGHT PANEL + DOWELS SUB ASS	N/A	1
3	(GWB-002-001-006) SUB ASS	SIDES + CLEATS + TOP AND BOTTOM PANEL SUB ASS	N/A	1
4	N/A	SQUARE HEAD WOOD SCREW 6mm X 30mm	N/A	4



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\* RESEMBLES CRITICAL DIMENSIONS  
# RESEMBLES ECR CHANGES



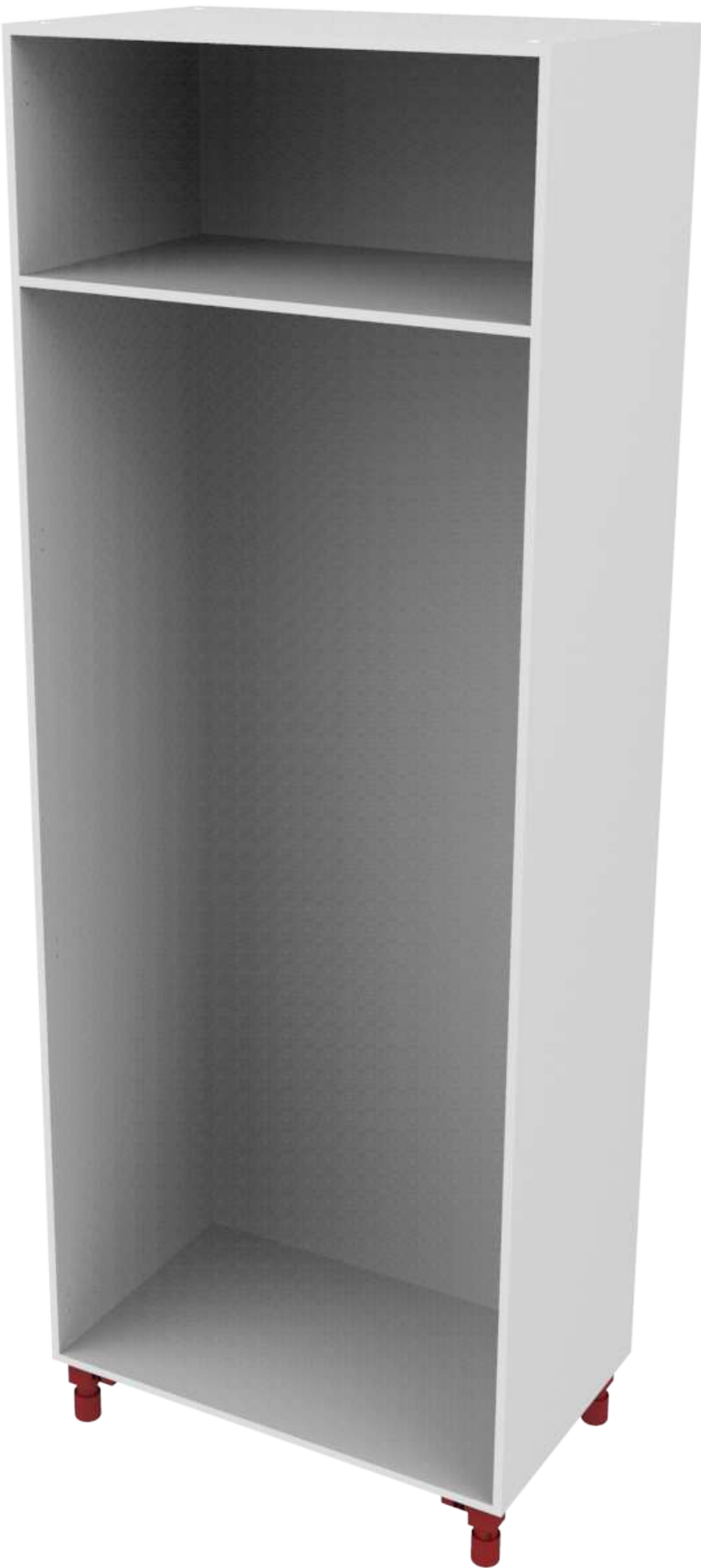
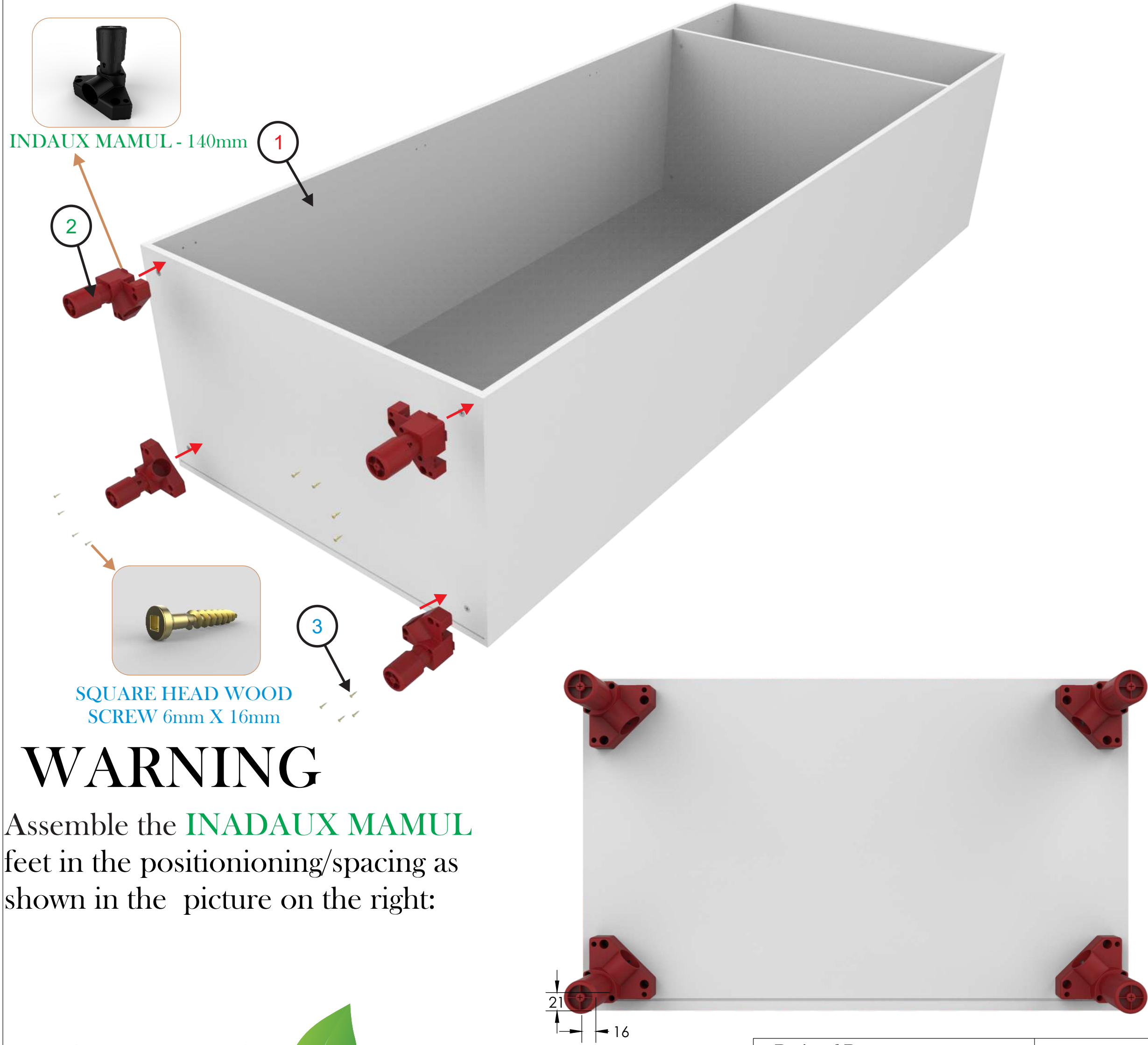
3RD ANGLE

REVISION		
TITLE: Backing Board + Right Panel SUB ASS		
PART NUMBER: (GWB-002-001-007)		SCALE : 1:8 (UOS)
NAME		DATE
ENGINEERED BY: KOSTA KOUMENTAKOS		18-04-2016
DRAWN BY: KOSTA KOUMENTAKOS		18-04-2016
APPROVED BY: ANASTASIOS ASTERIOU		18-04-2016



STEP 12

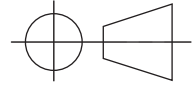
Screw the **INDAUX MAMUL** feet into the unit using parts **SQUARE HEAD WOOD SCREW** as shown below:



WARNING

Assemble the **INDAUX MAMUL** feet in the positionioning/spacing as shown in the picture on the right:

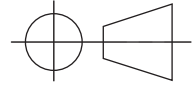
ITEM NO:	DRAWING NUMBER:	DESCRIPTION:	MATERIAL:	QTY:
1	(GWB-002-001-007) SUB ASS	BACKING BOARD + RIGHT PANEL SUB ASS	N/A	1
2	N/A	INDAUX MAMUL - 140mm	N/A	4
3	N/A	SQUARE HEAD WOOD SCREW 6mm X 12mm	N/A	16

REVISION		
CODE: GWB-002-001	TITLE: Feet SUB ASS	
	PART NUMBER: (GWB-002-001-008)	SCALE : 1:8 (UOS)
METRIC ALL DIMENSIONS ARE IN mm	NAME	DATE
	ENGINEERED BY: KOSTA KOUMENTAKOS	18-04-2016
	DRAWN BY: KOSTA KOUMENTAKOS	18-04-2016
 3RD ANGLE	APPROVED BY: ANASTASIOS ASTERIOU	18-04-2016



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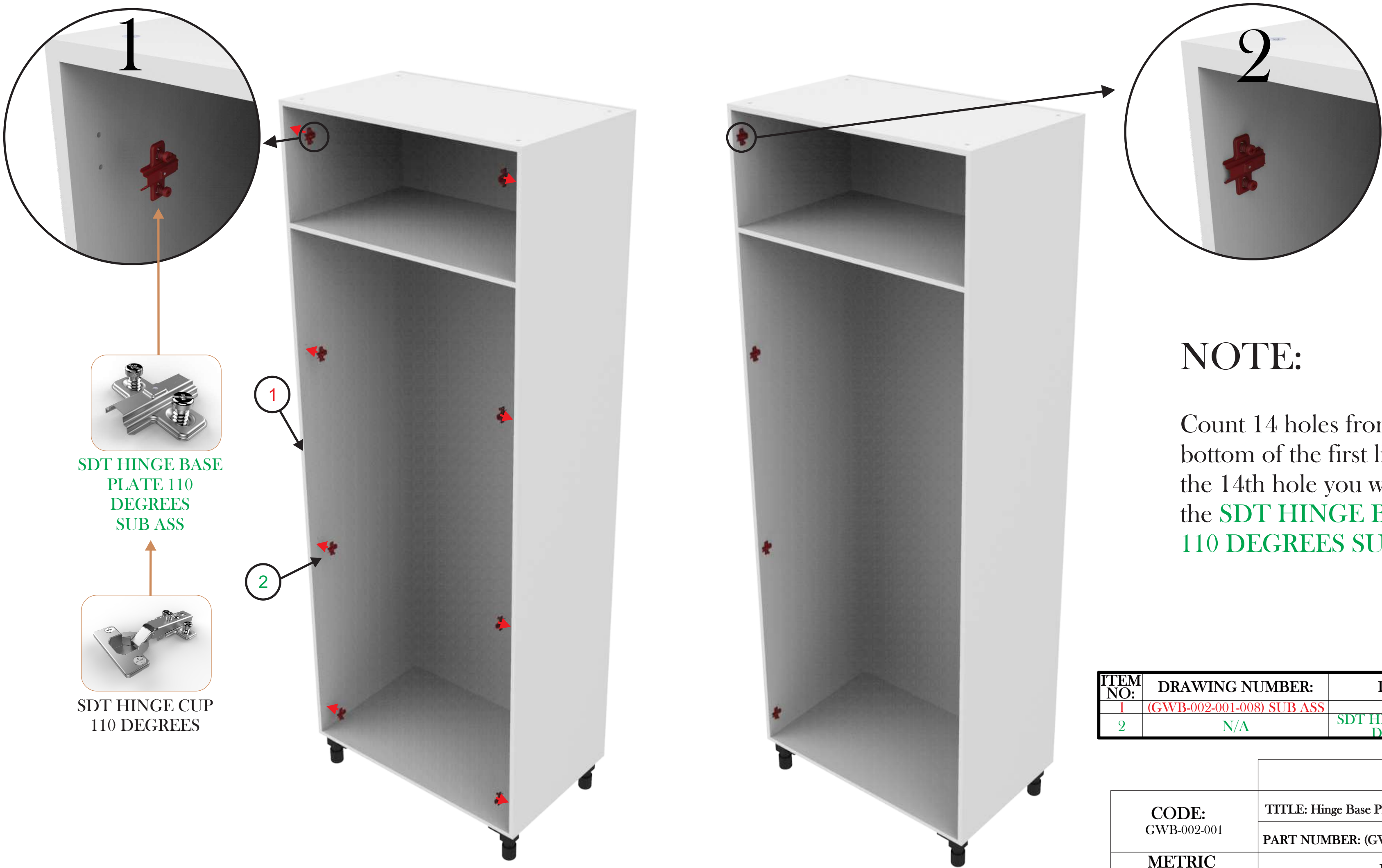
\* RESEMBLES CRITICAL DIMENSIONS  
# RESEMBLES ECR CHANGES



3RD ANGLE

STEP 13

Screw parts **SDT HINGE BASE PLATE 110 DEGREES SUB ASS** into the unit as shown below:



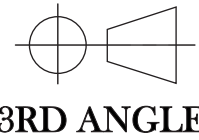
ITEM NO:	DRAWING NUMBER:	DESCRIPTION:	MATERIAL:	QTY:
1	(GWB-002-001-008) SUB ASS	FEET SUB ASS	N/A	1
2	N/A	SDT HINGE BASE PLATE 110 DEGREES SUB ASS	N/A	4

REVISION		
CODE: GWB-002-001	TITLE: Hinge Base Plate SUB ASS	
	PART NUMBER: (GWB-002-001-009)	SCALE : 1:8 (UOS)
METRIC ALL DIMENSIONS ARE IN mm	NAME	DATE
	ENGINEERED BY: KOSTA KOUMENTAKOS	18-04-2016
	DRAWN BY: KOSTA KOUMENTAKOS	18-04-2016
3RD ANGLE	APPROVED BY: ANASTASIOS ASTERIOU	18-04-2016



Designed By:  
**KSTENE**  
INDUSTRIAL DESIGN & ENGINEERING  
INNOVATION INGENUITY INSPIRATION

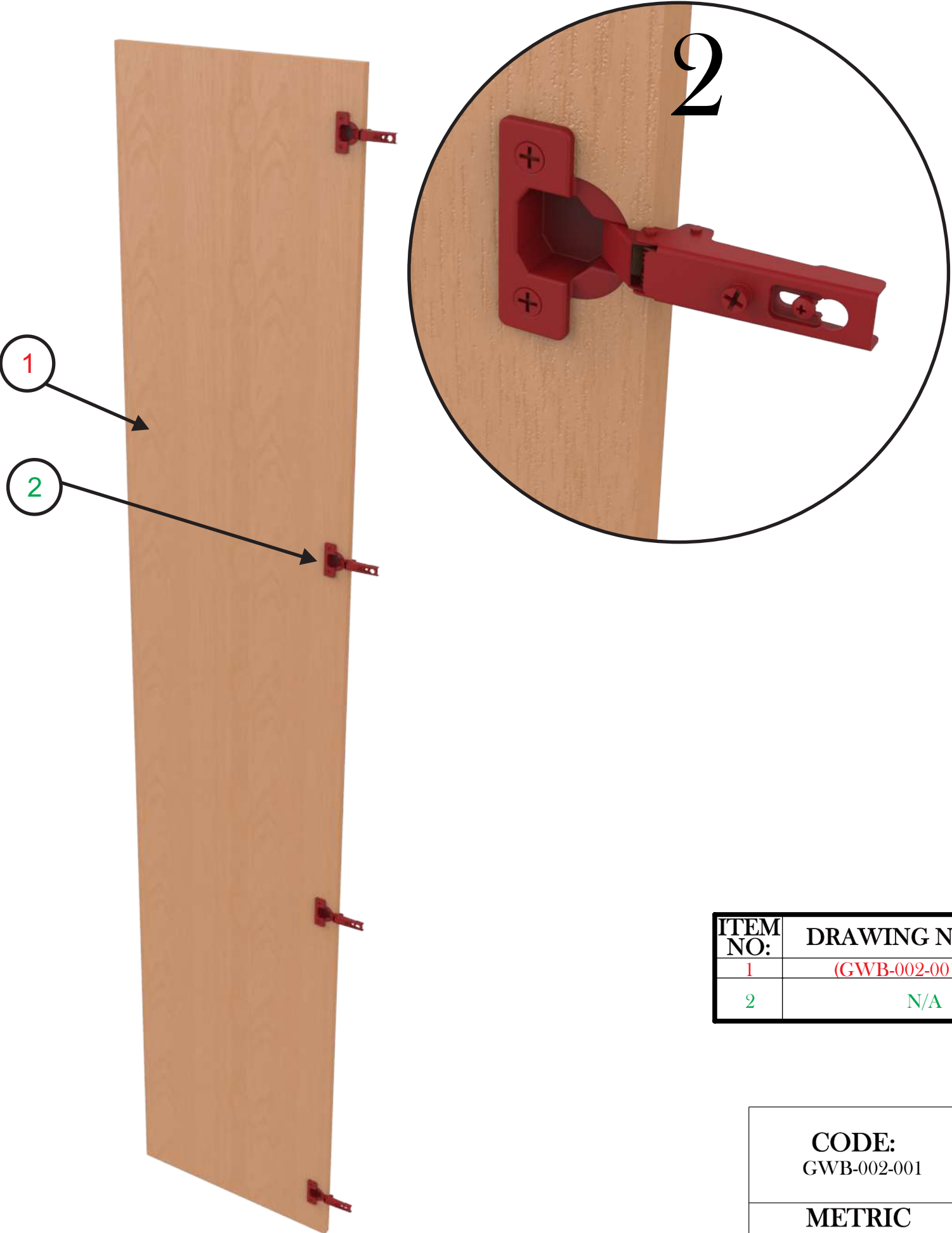
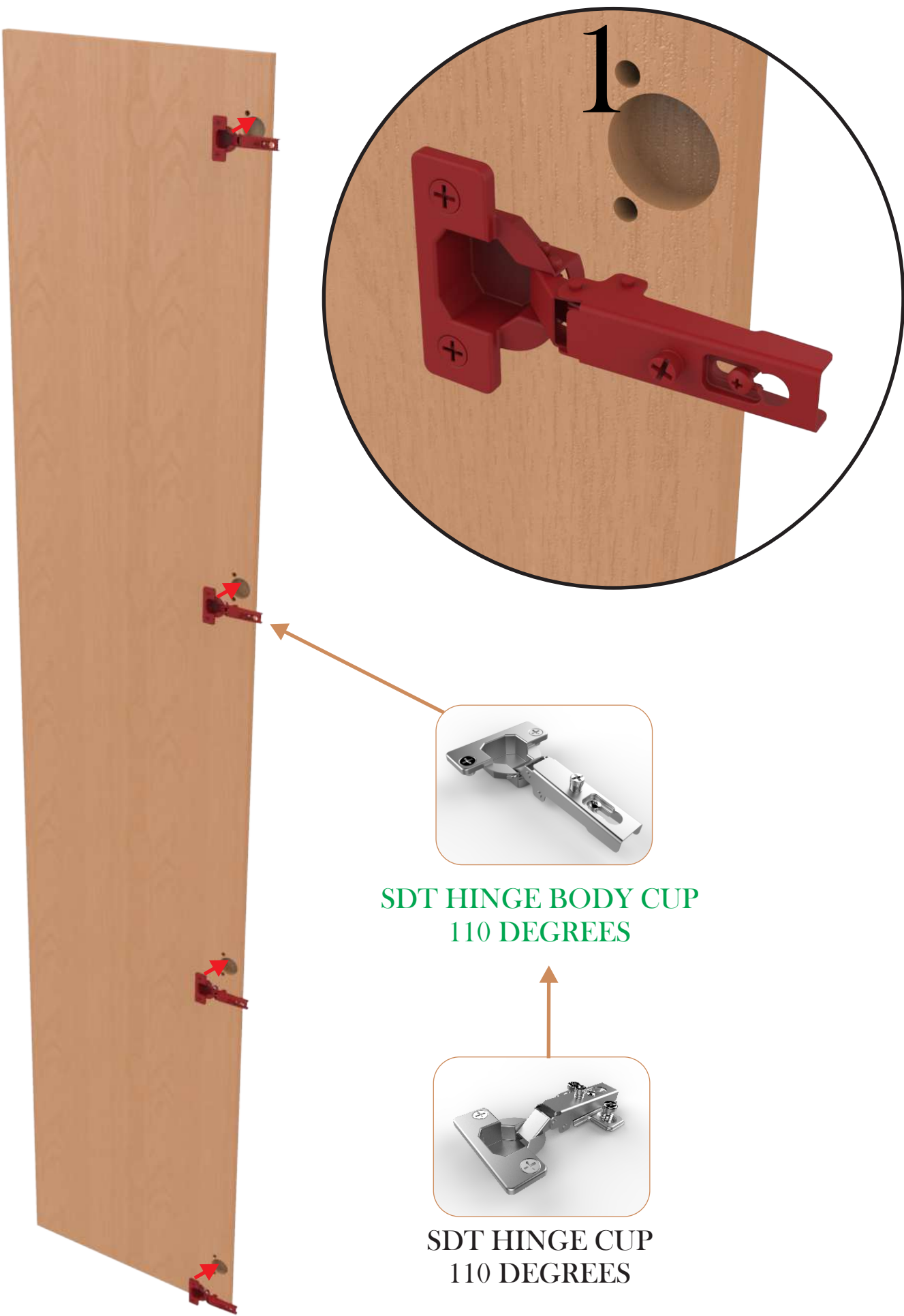
\* RESEMBLES CRITICAL DIMENSIONS  
# RESEMBLES ECR CHANGES





STEP 14

Screw in parts **SDT HINGE BASE PLATE 110 DEGREES** into part **DOOR**



**NOTE:**  
Do this assembly for both doors.

ITEM NO:	DRAWING NUMBER:	DESCRIPTION:	MATERIAL:	QTY:
1	(GWB-002-001-007)	DOOR	16mm MELAMINE	1
2	N/A	SDT HINGE BODY 110 DEGREES	N/A	4

REVISION		
CODE: GWB-002-001	TITLE: Door + Hinge Bridge SUB ASS	
	PART NUMBER: (GWB-002-001-010)	SCALE : 1:8 (UOS)
	NAME	DATE
	ENGINEERED BY: KOSTA KOUMENTAKOS	18-04-2016
METRIC ALL DIMENSIONS ARE IN mm	DRAWN BY: KOSTA KOUMENTAKOS	18-04-2016
	APPROVED BY: ANASTASIOS ASTERIOU	18-04-2016
3RD ANGLE		

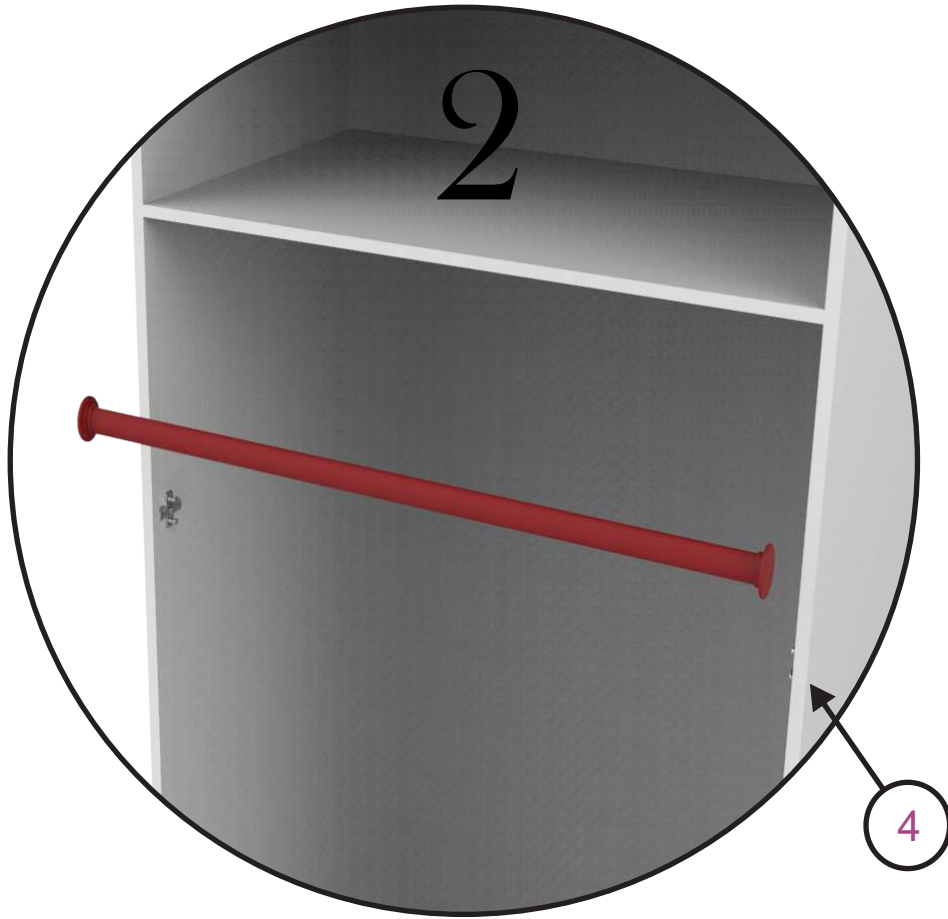
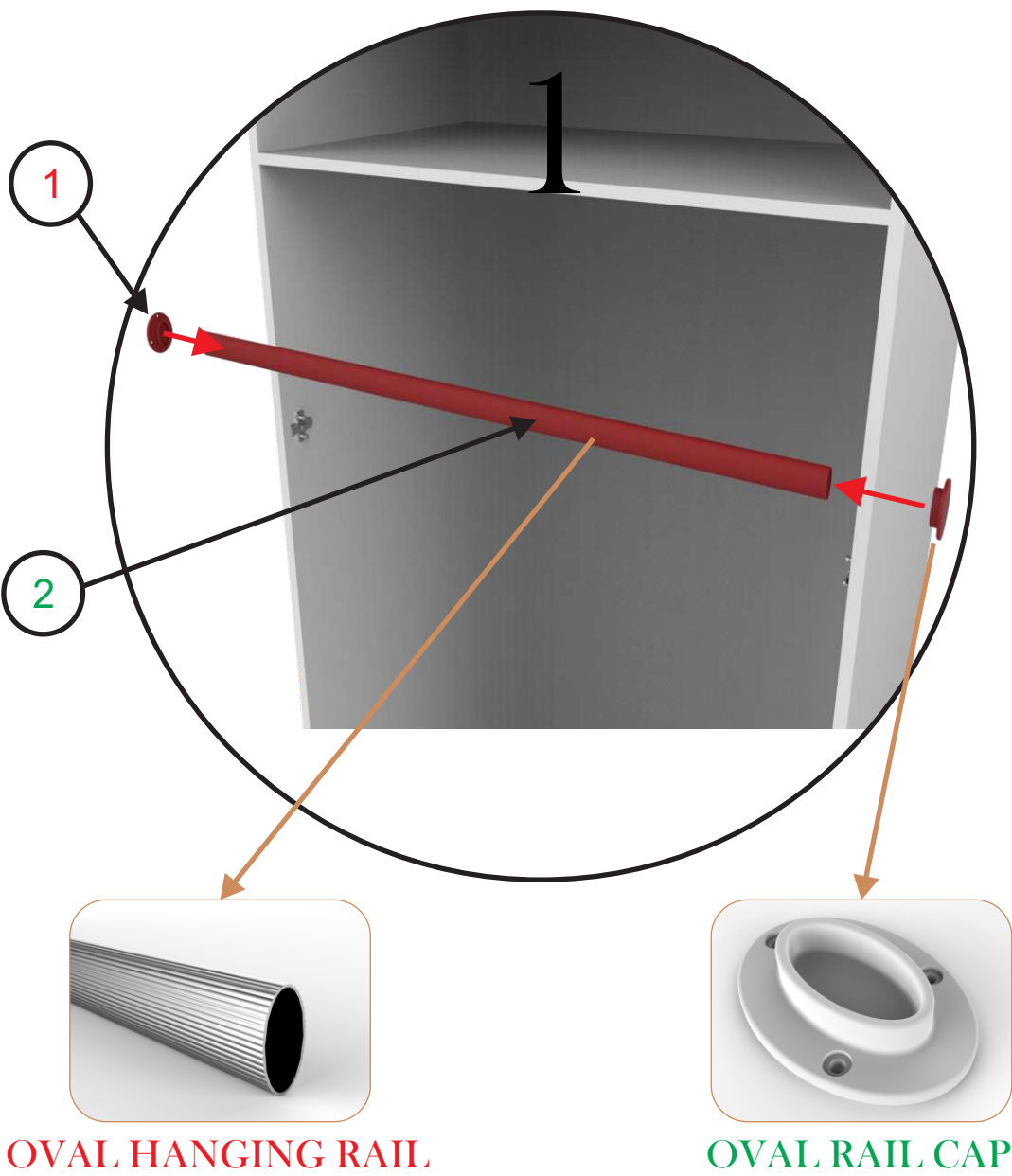


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\* RESEMBLES CRITICAL DIMENSIONS  
# RESEMBLES ECR CHANGES

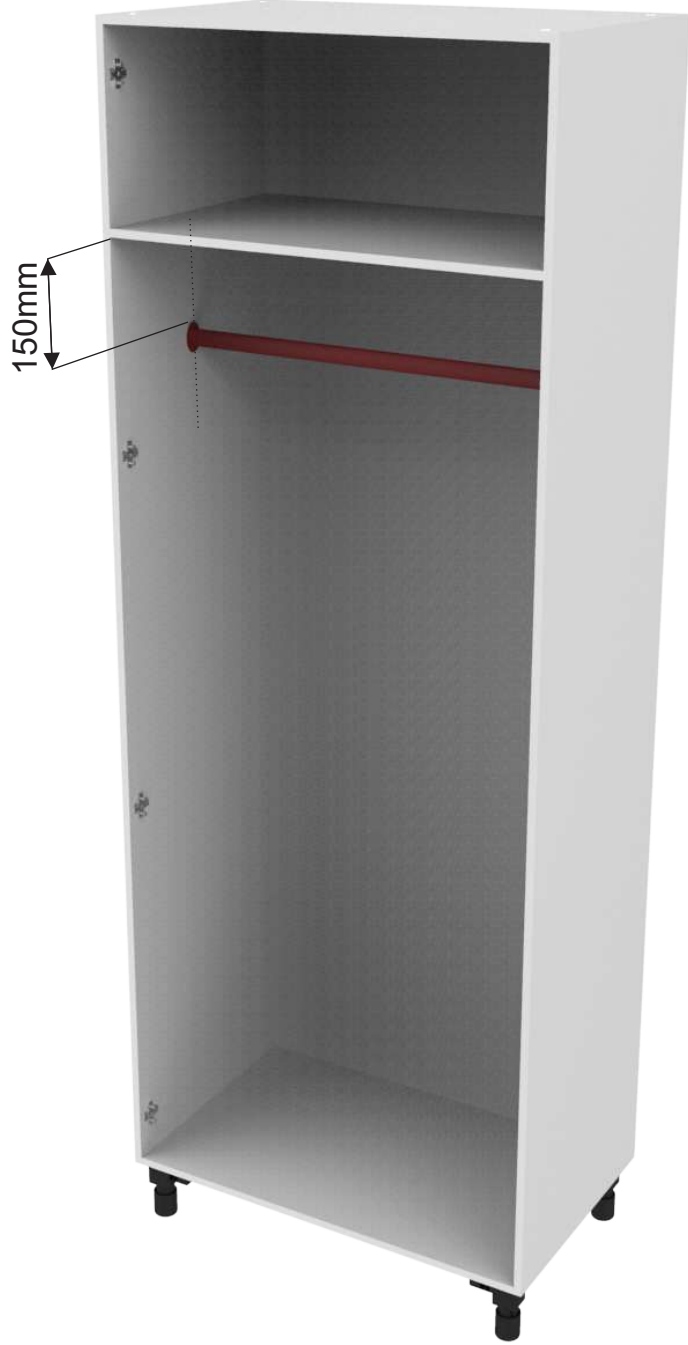
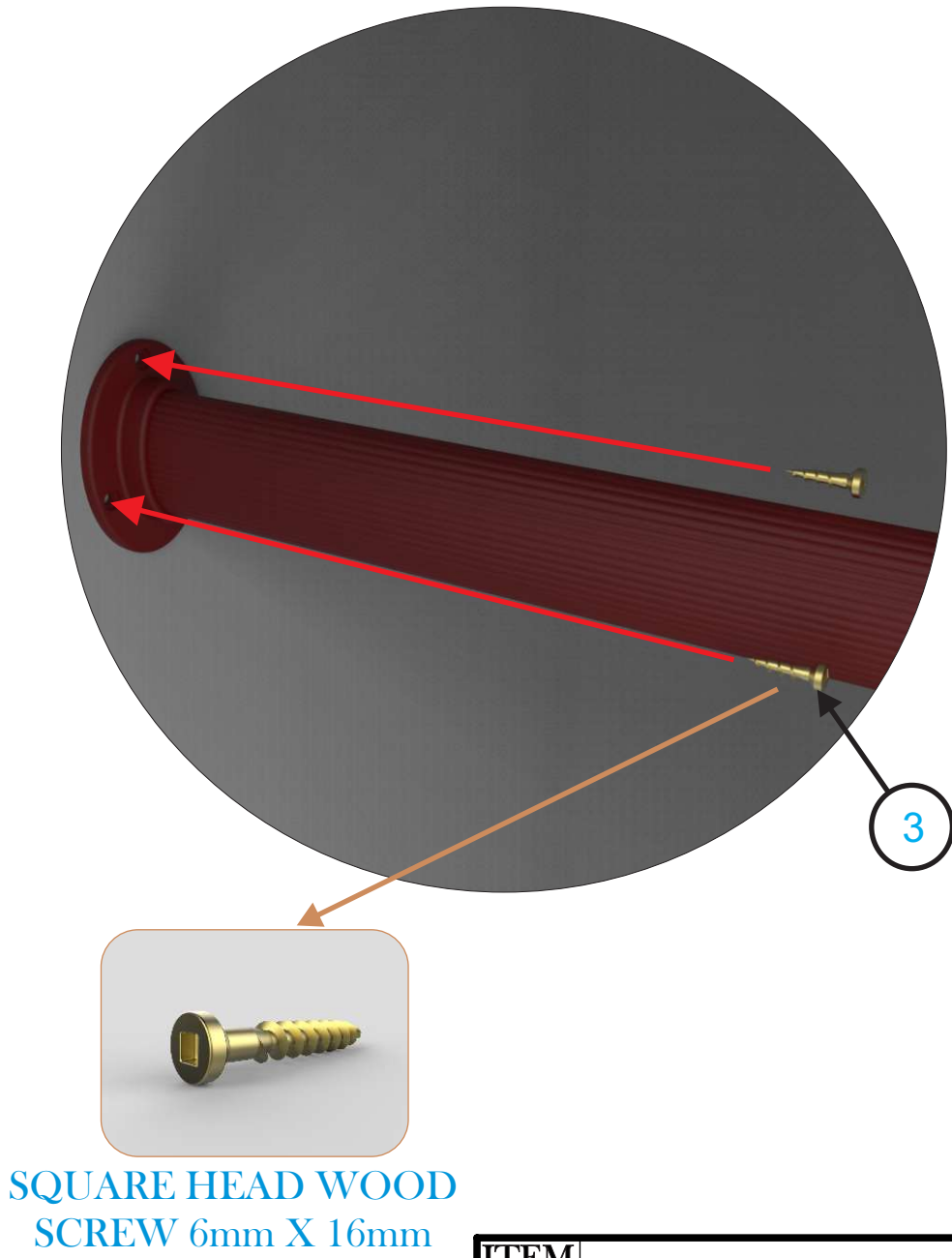
STEP 15

Insert parts **OVAL RAIL CAP** onto either side of part **OVAL HANGING RAIL**

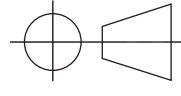


STEP 16

Align the assembled rail to the center of the units side panel. Then measure aproximatly 150mm from the bottom of the shelf to the top of part **OVAL RAIL CAP** and insert screws as shown below.



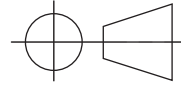
ITEM NO:	DRAWING NUMBER:	DESCRIPTION:	MATERIAL:	QTY:
1	N/A	OVAL HANGING RAIL	ALU	1
2	N/A	OVAL RAIL CAP	ABS	2
3	N/A	SQUARE HEAD WOOD SCREW 6mm X 12mm	N/A	6
4	(GWB-002-001-010) SUB ASS	DOOR + HINGE Bridge SUB ASS	N/A	1

REVISION			
CODE: GWB-002-001	TITLE: Hanging Rail SUB ASS		
	PART NUMBER: (GWB-002-001-011)		SCALE : 1:8 (UOS)
METRIC ALL DIMENSIONS ARE IN mm	NAME		DATE
	ENGINEERED BY: KOSTA KOUMENTAKOS		18-04-2016
	DRAWN BY: KOSTA KOUMENTAKOS		18-04-2016
 3RD ANGLE	APPROVED BY: ANASTASIOS ASTERIOU		18-04-2016



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# RESEMBLES ECR CHANGES

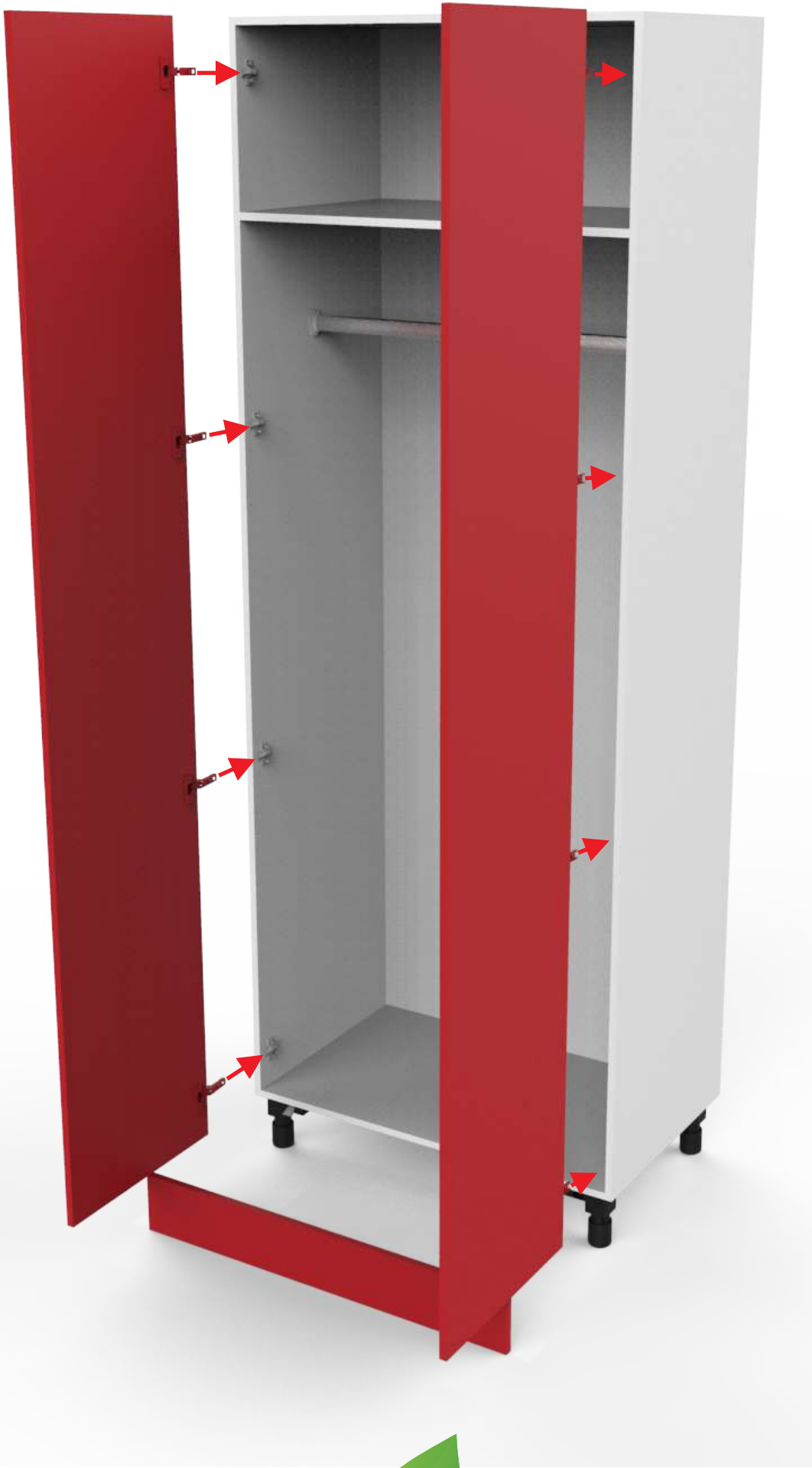


3RD ANGLE



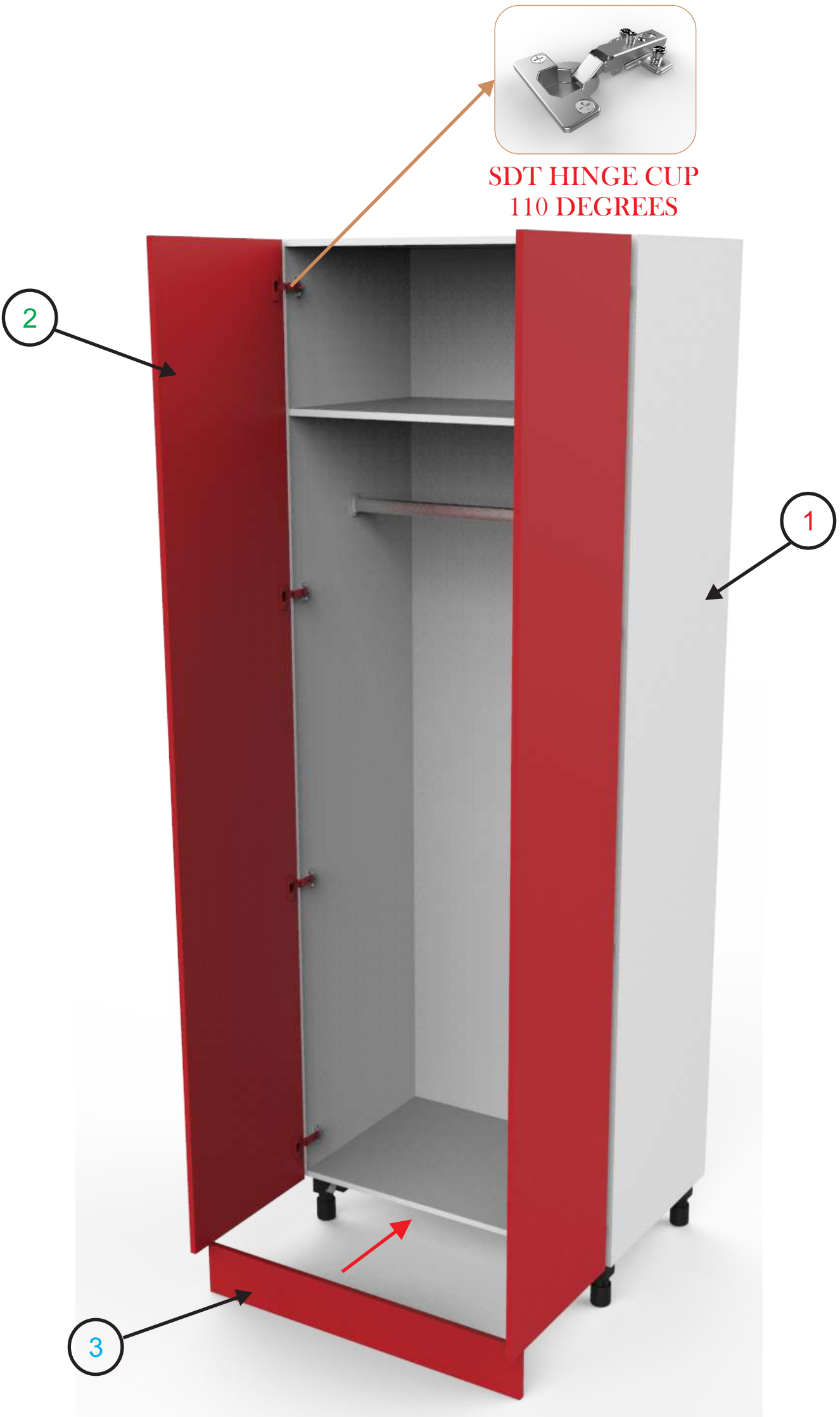
STEP 17

Attach sub assembly **DOOR + HINGE BRIDGE SUB ASS** to sub assembly **HANGING RAIL SUB ASS**. This is done by clipping the 2 halves of the hinge together.



STEP 18

Make use of the **INDAUX MAMUL** spring clip by placing the **KICK PLATE** between it and the floor.



STEP 19

Your unit is now complete. Finish it off by adding a handle of your choice.



ITEM NO:	DRAWING NUMBER:	DESCRIPTION:	MATERIAL:	QTY:
1	(GWB-002-001-011) SUB ASS	HANGING RAIL SUB ASS	N/A	1
2	(GWB-002-001-010) SUB ASS	DOOR + HINGE BRIDGE SUB ASS	N/A	2
3	(GWB-002-001-005)	KICK PLATE	N/A	1

REVISION		
CODE: GWB-002-001	TITLE: Kick Plate + Doors SUB ASS	
	PART NUMBER: (GWB-002-001-012)	SCALE : 1:8 (UOS)
	NAME	DATE
	ENGINEERED BY: KOSTA KOUMENTAKOS	18-04-2016
METRIC ALL DIMENSIONS ARE IN mm	DRAWN BY: KOSTA KOUMENTAKOS	18-04-2016
	APPROVED BY: ANASTASIOS ASTERIOU	18-04-2016
3RD ANGLE		

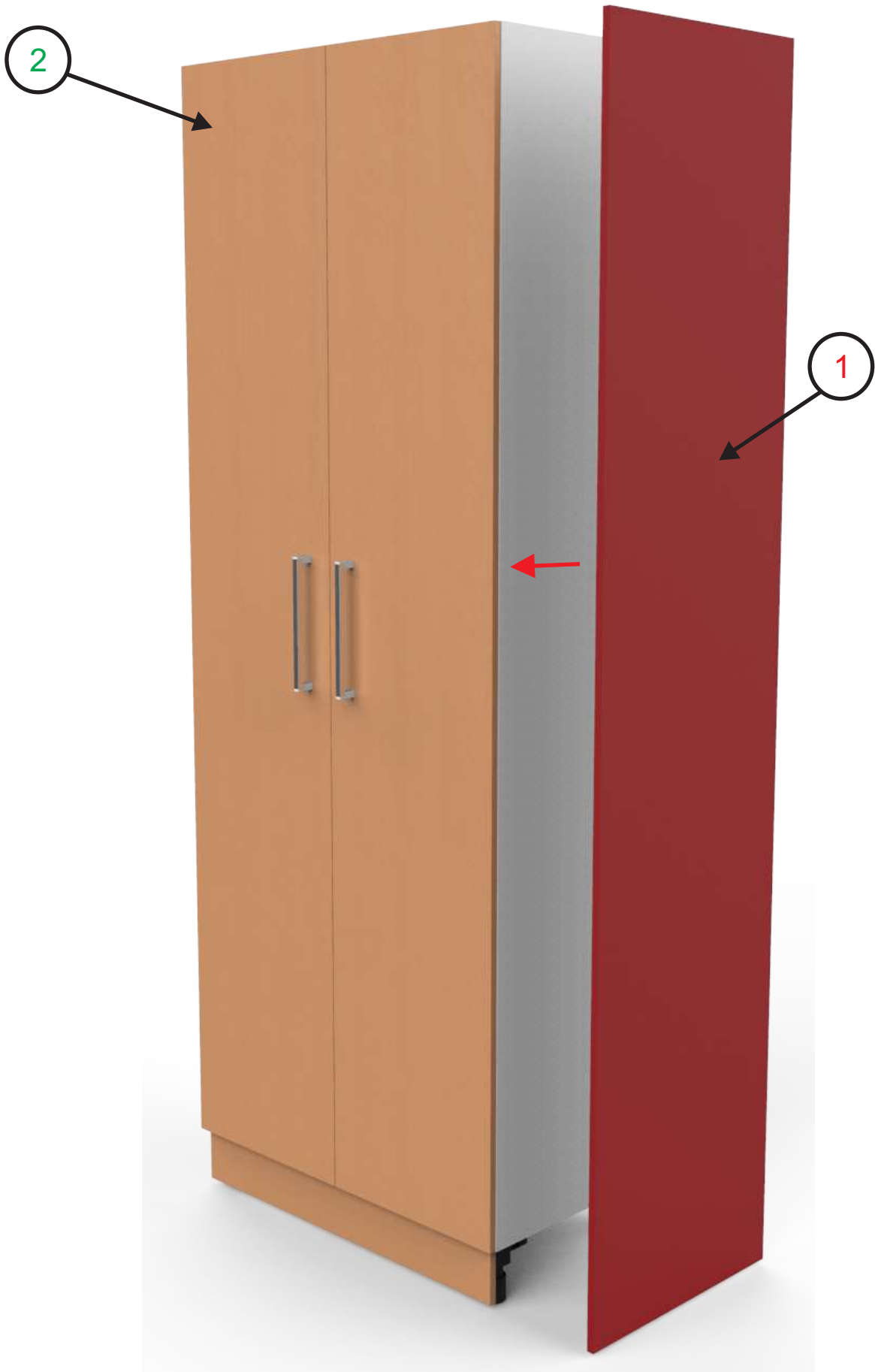


Designed By:  
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INNOVATION INGENUITY INSPIRATION

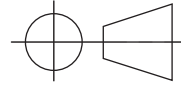
\* RESEMBLES CRITICAL DIMENSIONS  
# RESEMBLES ECR CHANGES

# OPTIONAL STEP 20

Align part **SIDE COVER PANEL** to the outside of the unit. From the inside of the unit screw in the **SCREW 6mm X 30mm** to fasten part **SIDE COVER PANEL** to the side panel. Choose areas on the inside of the cupboard that the screws will be least visible.



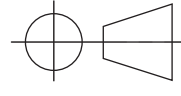
ITEM NO:	DRAWING NUMBER:	DESCRIPTION:	MATERIAL:	QTY:
1	(GWB-002-001-008)	SIDE COVER PANEL	N/A	1
2	(GWB-002-001-013) SUB ASS	SIDE COVER PANEL SUB ASS	16mm MELAMINE	1
3	N/A	SQUARE HEAD WOOD SCREW 6mm X 30mm	N/A	4

REVISION		
CODE: GWB-002-001	TITLE: SUB ASS + Side Cover Panel	
	PART NUMBER: (GWB-002-001-013)	SCALE : 1:8 (UOS)
METRIC ALL DIMENSIONS ARE IN mm	NAME	DATE
	ENGINEERED BY: KOSTA KOUMENTAKOS	18-04-2016
	DRAWN BY: KOSTA KOUMENTAKOS	18-04-2016
 3RD ANGLE	APPROVED BY: ANASTASIOS ASTERIOU	18-04-2016



Designed By:  
**KSTENE**  
INDUSTRIAL DESIGN & ENGINEERING  
INNOVATION INGENUITY INSPIRATION

\* RESEMBLES CRITICAL DIMENSIONS  
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3RD ANGLE