



# BT8374

SYSTEM X™

## UNIVERSAL MOBILE CURVED VIDEOWALL STAND INSTALLATION GUIDE & PARTS LIST

This Pack Contains 1 Stand

PLEASE KEEP THIS FOR FUTURE REFERENCE



### FEATURES

- Universal design suitable for all videowall screens
- Suitable for videowall screens from 39" - 70"
- Max weight per screen: 50kg (110lbs)
- Designed for screens with VESA® & non-VESA mounting patterns
- Tool-less micro-adjustments for seamless screen alignment
- Easy to use angle adjustment with a range up to +/-45°
- Universal screen position spacer to speed up the installation process
- Includes non-marking 4" locking/braked castors and alternative levelling feet
- Integrated cable management
- Safety screws help prevent unauthorised removal of screens
- All mounting hardware included



Per Screen



### CONTENTS

Installation Safety Notes.....	2
Parts List.....	4
Optional Accessories.....	7
Installation Instructions.....	8
B-Tech Contact Details.....	24

### INSTALLATION TOOLS REQUIRED

Crosshead screwdriver



10mm Spanner



Level



Knife



**B-TECH AV MOUNTS**

[www.btechavmounts.com](http://www.btechavmounts.com)

# INSTALLATION SAFETY INSTRUCTIONS



**CAUTION:** This stand is intended for use only with the maximum weights indicated. Use with flat screens heavier than the maximum indicated may result in instability causing possible injury.

Do not attempt to install this product until all instructions and warnings have been read and properly understood. Please keep these instructions for future reference.

Please check carefully to make sure there are no missing or defective parts - defective parts must never be used. B-Tech International Design & Manufacturing Ltd, its distributors and dealers are not liable or responsible for damage or injury caused by improper installation, improper use or failure to observe these safety instructions. In such cases, all guarantees will expire.

## General

Great care must always be taken during installation as most AV equipment is of a fragile nature, possibly heavy and easily damaged if dropped.

If you do not fully understand the instructions or are not sure how to install this product safely, then please consult a professional for advice and/or to install this product for you. Failure to mount this product correctly may cause serious injury or death both during installation and at any time thereafter. Do not mount any AV equipment that exceeds the specific weight limit of the product you are installing. This weight limit will be clearly stated on each product and its packaging and will vary from product to product.

## Product location

Please pay careful attention to where this product is located, some locations are not suitable for installation. For indoor use only. Install stand on level ground. When verifying the stability of the structure, consider the following external factors: The strength of the floor, exposure to sudden and severe wind and danger arising from contact with people and / or objects (eg installations in passageways, emergency exits), if located in a public or frequently populated area ensure that the product is out of the immediate reach of people.

## Fixing hardware

It is highly recommended that all fixing screws be used where supplied and that the purpose of all other fixing hardware is fully understood. In some cases more AV equipment fixing hardware will be supplied to accommodate different models of equipment and set up configurations.

The installer must be satisfied that any supplied fixing hardware is suitable for each specific installation. If any fixing screws or included hardware are deemed not sufficient for a safe installation then please consult a professional or your local hardware store.

## Hazard limitation

When routing cables take advantage of any built in cable management features that the product might provide and ensure that all cables are tidy and secure. Check to see that any moving aspect of the product can do so unhindered by any cabling.

Some products have moving parts and the potential to cause injury through the crushing or trapping of fingers or other body parts.

Particular attention to the nature of moving parts is required especially when assembling installing and adjusting during set up.

Immediately after installations double-check that the work done is safe and secure. Double-check all necessary fixings are present and are of ample tightness.

It is recommended that periodic inspections of the product and its fixing points are made as frequently as possible to ensure that safety is maintained. If in doubt consult a professional AV installer or other suitably qualified person.

CS

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DE

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ES

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FR

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IT

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NL

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PT

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RU

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توصي بي- تك للتجارة الدولية المحدودة بأن شخص محترف في تركيب ال AV او شخص مؤهل تأهيلا مناسباً لتركيب هذا المنتج. بي- تك للتجارة الدولية، موزعيها والتجار ليست عرضة أو مسؤولة عن الأضرار أو الإصابات الناجمة عن تركيب غير سليم، والاستخدام غير السليم أو عدم مراعاة هذه التعليمات للسلامة. يجب أن يتم تركيب هذا المنتج في بنية مناسبة ويجب استخدامه فقط لدعم الحد الأقصى للوزن المشار إليه.

# BT8374 PARTS LIST

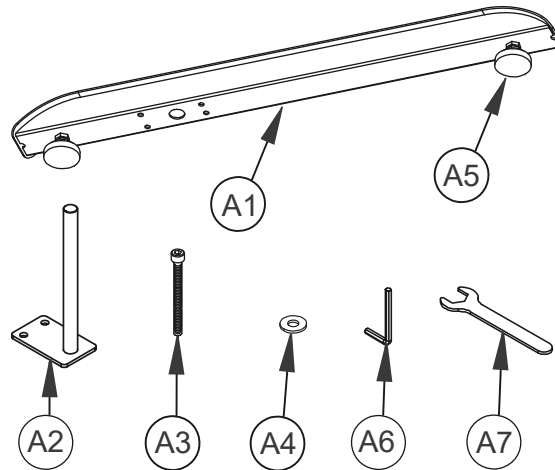
Due to the multiple installations available each option below is dependent on the stand ordered.

PLEASE KEEP THIS FOR FUTURE REFERENCE

## (A) BASE

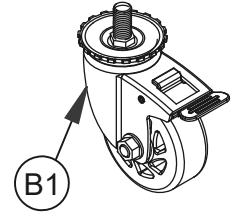
BT8380-BASE

ITEM	PART NAME	QTY PER PACK
A1	BASE	1
A2	SUPPORT STEM	1
A3	M8 x 90mm SCREW	4
A4	M8 WASHER	2
A5	LEVELLING FOOT	2
A6	6AF HEX KEY	1
A7	24mm SPANNER	1



## (B) CASTORS

BT8380-CASTORS



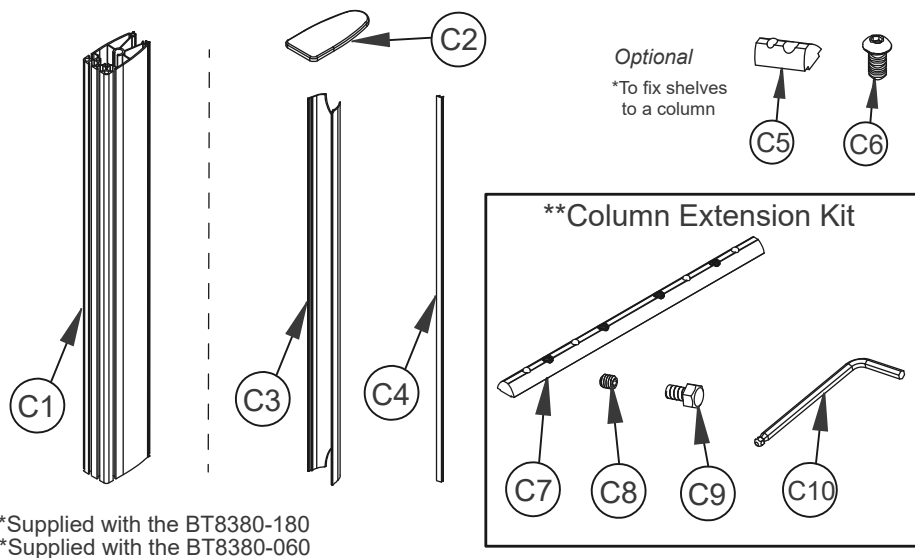
ITEM	PART NAME	QTY PER PACK
B1	CASTOR	2

## (C) COLUMN

BT8380-180  
Height: 180cm

BT8380-060  
Height: 60cm

ITEM	PART NAME	QTY PER PACK
C1	VERTICAL COLUMN	1
C2	END CAP*	1
C3	CABLE COVER	3
C4	PLASTIC SLOT INSERT	4
C5	M8 SLIDING NUT*	2
C6	M8 x 12mm SCREW*	2
C7	COLUMN JOINER**	4
C8	GRUB SCREW**	16
C9	M6 x 10mm HEX BOLT**	8
C10	3AF HEX KEY**	1

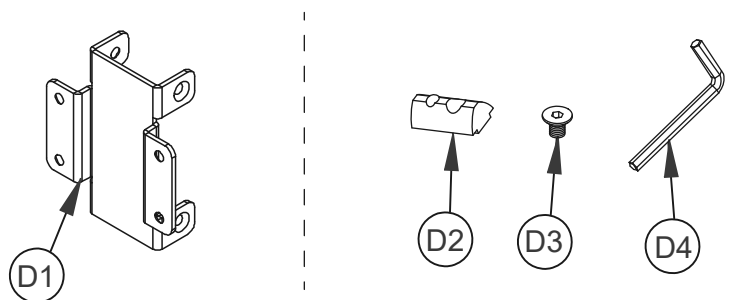


\*Supplied with the BT8380-180  
\*\*Supplied with the BT8380-060

## (D) JOINING PLATE

BT8380-JPK

ITEM	PART NAME	QTY PER PACK
D1	JOINING PLATE	1
D2	M8 SLIDING NUT	8
D3	M8 x 12mm SCREW	4
D4	5AF HEX KEY	1



## (E) MOUNTING RAIL

BT8390-050  
Length: 50cm

BT8390-070  
Length: 70cm

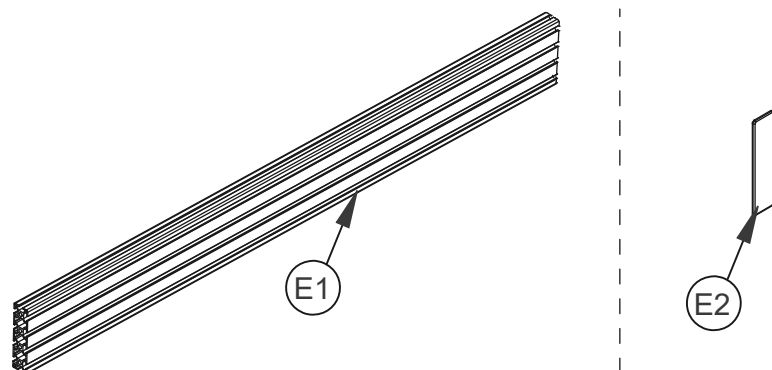
BT8390-150  
Length: 150cm

BT8390-175  
Length: 175cm

BT8390-200  
Length: 200cm

BT8390-300  
Length: 300cm

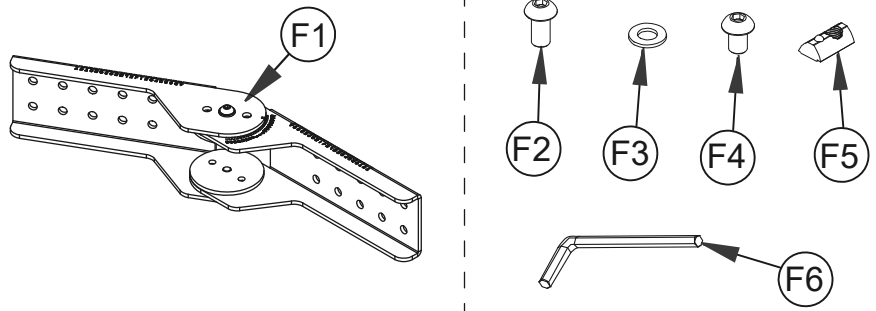
ITEM	PART NAME	QTY PER PACK
E1	MOUNTING RAIL	1
E2	END CAP	2



**(F) ANGLE ADJUSTMENT CONNECTOR**

BT8390-AAC

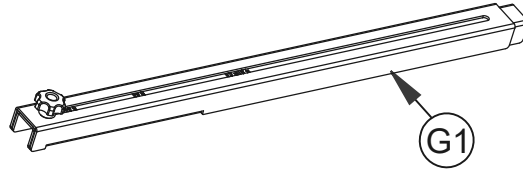
ITEM	PART NAME	QTY PER PACK
F1	ANGLE CONNECTOR	1
F2	M8 x 16mm SCREW	4
F3	M8 WASHER	12
F4	M8 x 12mm SCREW	8
F5	M8 SLIDING NUT	8
F6	5AF HEX KEY	1



**(G) SPACER**

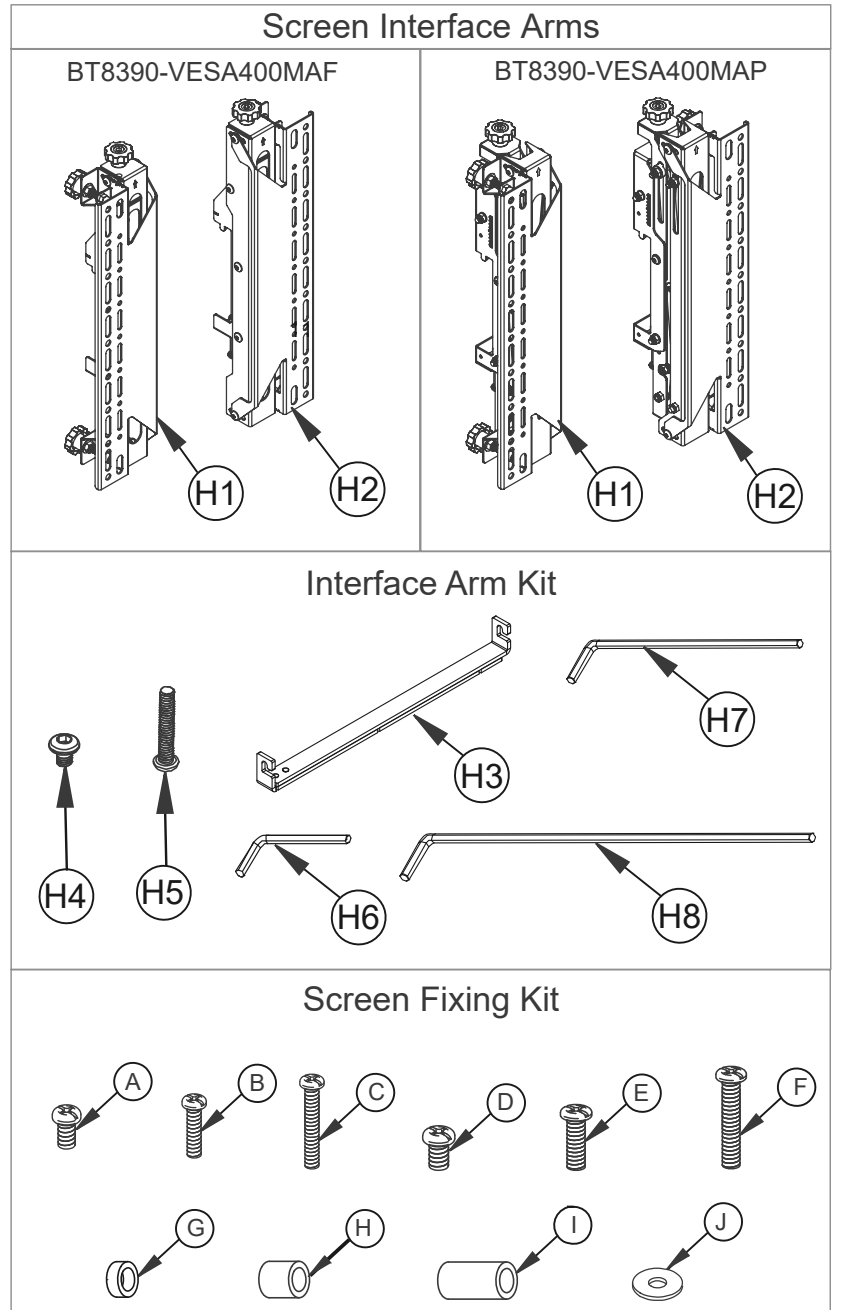
BT8390-SP

ITEM	PART NAME	QTY PER PACK
G1	SPACER	1



**(H) INTERFACE KIT**

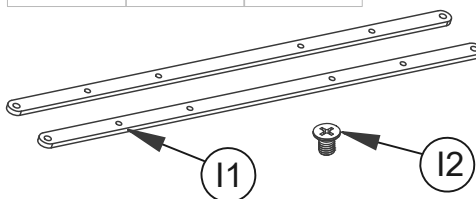
ITEM	PART NAME	QTY PER PACK
H1	LEFT INTERFACE ARM	1
H2	RIGHT INTERFACE ARM	1
H3	ADJUSTABLE BRACE*	1
H4	M5 x 6mm SCREW*	2
H5	M6 x 35mm SCREW*	2
H6	3AF HEX KEY*	1
H7	4AF HEX KEY*	1
H8	5AF LONG HEX KEY	1
ITEM	SCREEN FIXING KIT	QTY PER PACK
A	M6 x 16mm SCREW	4
B	M6 x 25mm SCREW	4
C	M6 x 40mm SCREW	4
D	M8 x 16mm SCREW	4
E	M8 x 25mm SCREW	4
F	M8 x 40mm SCREW	4
G	5mm SPACER	4
H	13mm SPACER	4
I	24mm SPACER	4
J	M6 WASHER	4



\*Only supplied with the BT8390-VESA400MAP

**(I) OPTIONAL INTERFACE ADAPTOR ARMS**

BT7564 | BT7565 | BT7566



ITEM	PART NAME	QTY PER PACK
I1	ADAPTOR ARMS	2
I2	M8 x 12mm SCREW	4

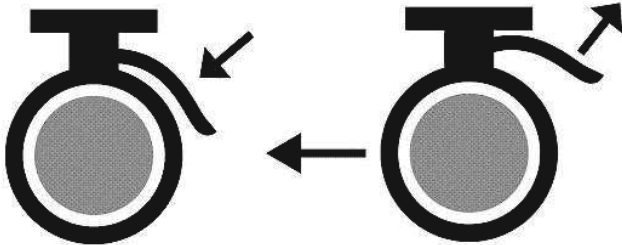


# WARNING

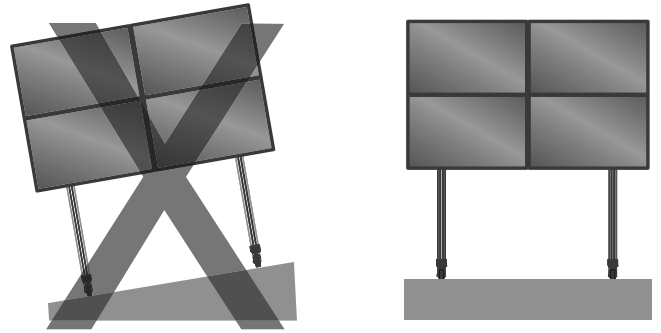


**CAN TIP OVER WHICH MAY LEAD TO  
SERIOUS INJURY.  
DO NOT ALLOW CHILDREN UNDER 16  
TO MOVE TROLLEY.  
MOVE TROLLEY SLOWLY**

ALWAYS APPLY BRAKES WHEN  
TROLLEY IS STATIONARY  
RELEASE BRAKES WHEN PUSHING  
TROLLEY.



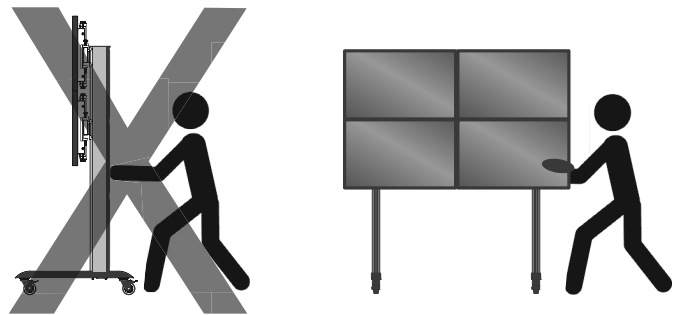
NEVER LEAVE TROLLEY ON  
AN INCLINE.  
ALWAYS PUSH AND PARK  
ON LEVEL GROUND



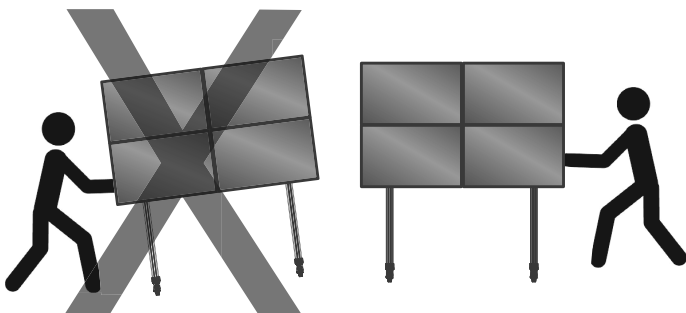
ONLY ADULTS SHOULD PUSH  
THIS TROLLEY



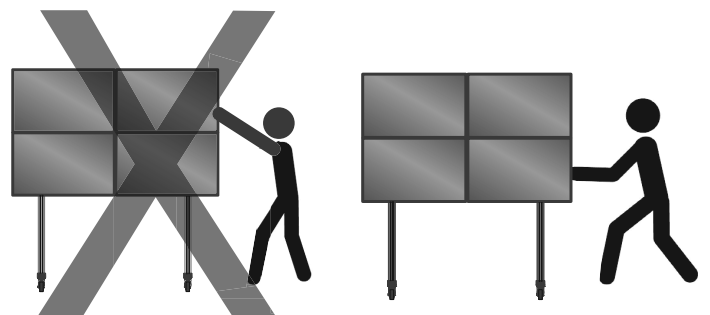
PUSH TROLLEY ON  
NARROW SIDE



NEVER PULL TROLLEY.  
ALWAYS PUSH



DO NOT PUSH AT TOP OF TROLLEY.  
ALWAYS PUSH NEAR MIDDLE



# INSTALLATION NOTES



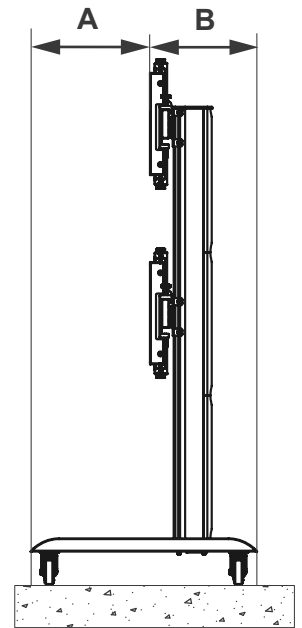
- Install stand on level ground • Minimum two person assembly

When verifying the stability of the structure, consider the following external factors:

1. The strength of the floor.
2. Exposure to sudden and severe wind.
3. Danger arising from contact with people and / or objects. (eg installations in passageways, emergency exits).

DEPTH DIMENSIONS		
INTERFACE ARM	A	B
BT8390-VESA400MAF	500.9mm*	449.1mm*
BT8390-VESA400MAP (Closed)	481.6mm*	468.4mm*

\*+/-10mm Micro-Adjustment

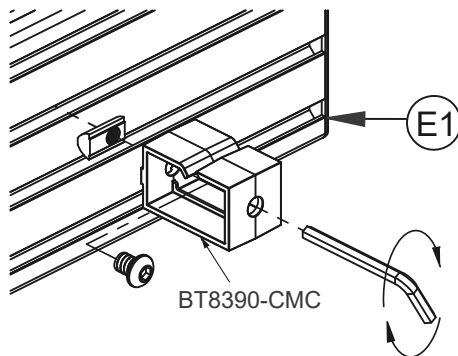


## OPTIONAL ACCESSORIES

### Cable Management Clip

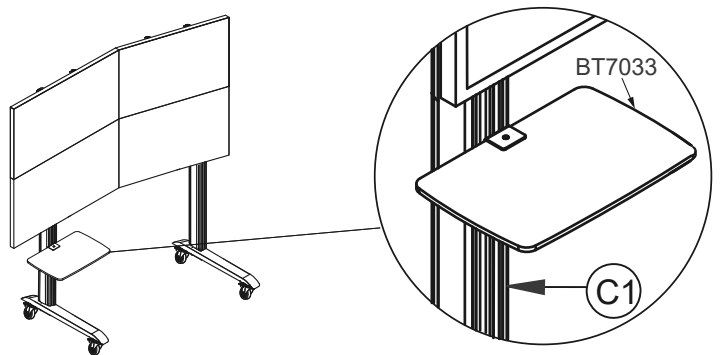
#### BT8390-CMC

Attach the *BT8390-CMC* cable management clips directly to item E1 to organise screen cables.



### AV Component Shelves

Mount a B-Tech shelf to item C1 using items C5 & C6. Use a *BT8390-SA* shelf adaptor to mount shelves to item E1.

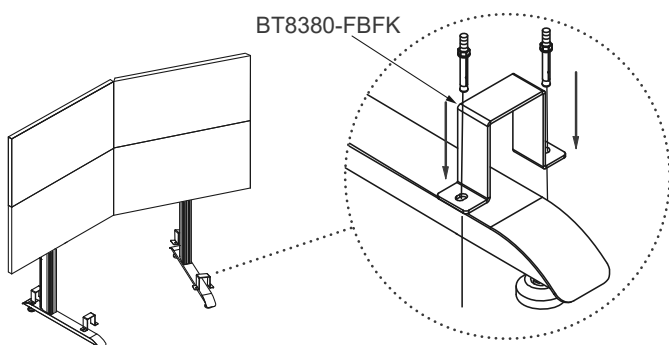


### Floor Fixing Kit

#### BT8380-FBFK

Using suitable fixings and floor anchors, attach a floor base fixing bracket to the front and back of item A1.

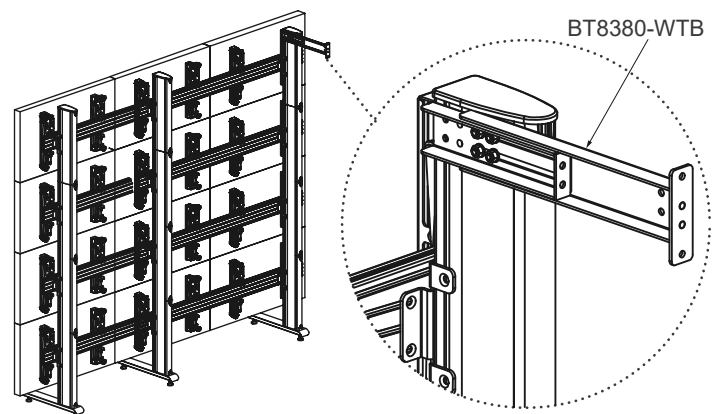
**Note:** The Floor Fixing Kit can only be used when the levelling feet are attached to the base.



### Wall Tie-Back

#### BT8380-WTB

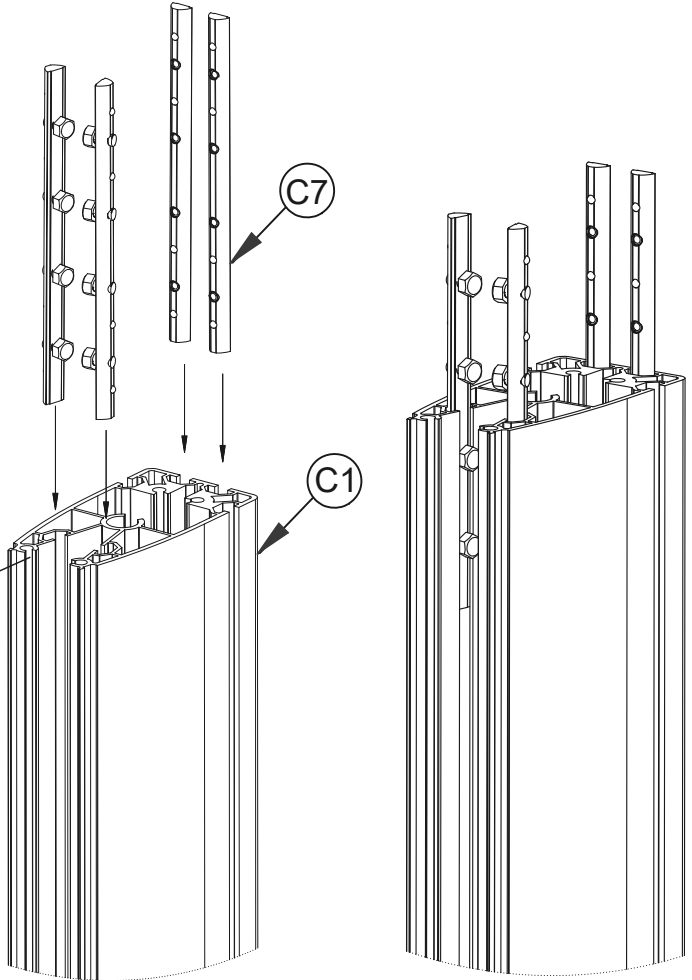
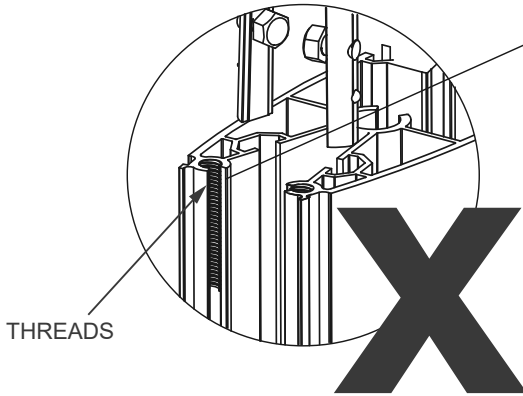
For larger installations attach a *BT8380-WTB* Wall Tie-Back to item C1 and secure to a wall.



# OPTIONAL: EXTENDING THE COLUMNS

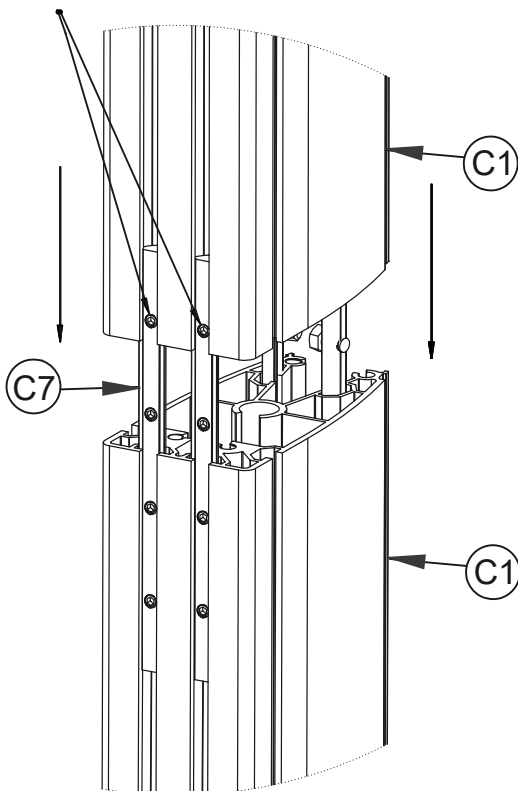
- i. Insert the items C7 halfway into the non-threaded end of item C1. The two joining bars with grub screws go in the front of the column and the 2 joining bars with hex bolts go in the back.

**IMPORTANT:** Joining bars should be inserted into the non-threaded end of the 180cm column.



## Front of Column

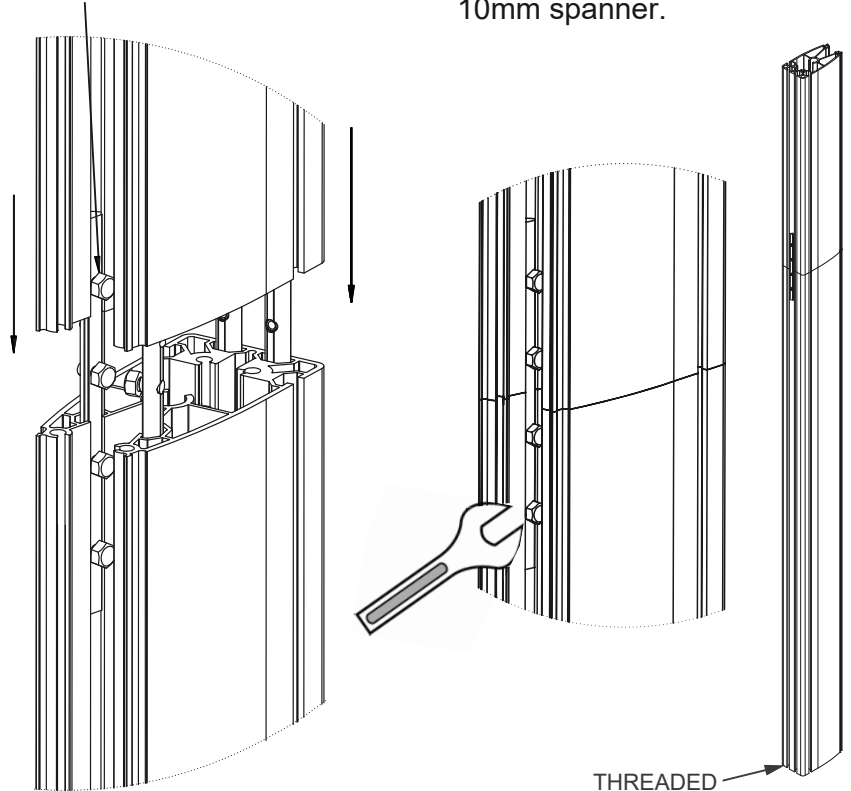
- ii. The two joining bars with grub screws in the front of the column.



## Back of Column

- The two joining bars with hex bolts in the rear of the column.

Tighten hex bolts by hand. Finish tightening using a 10mm spanner.





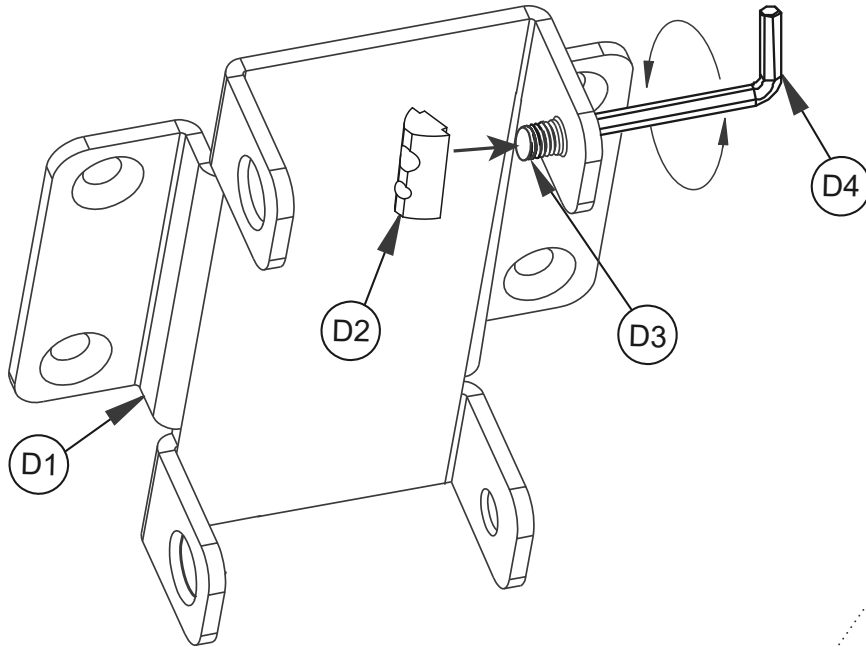
# INSTALLATION INSTRUCTIONS

1

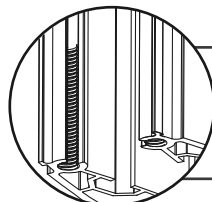
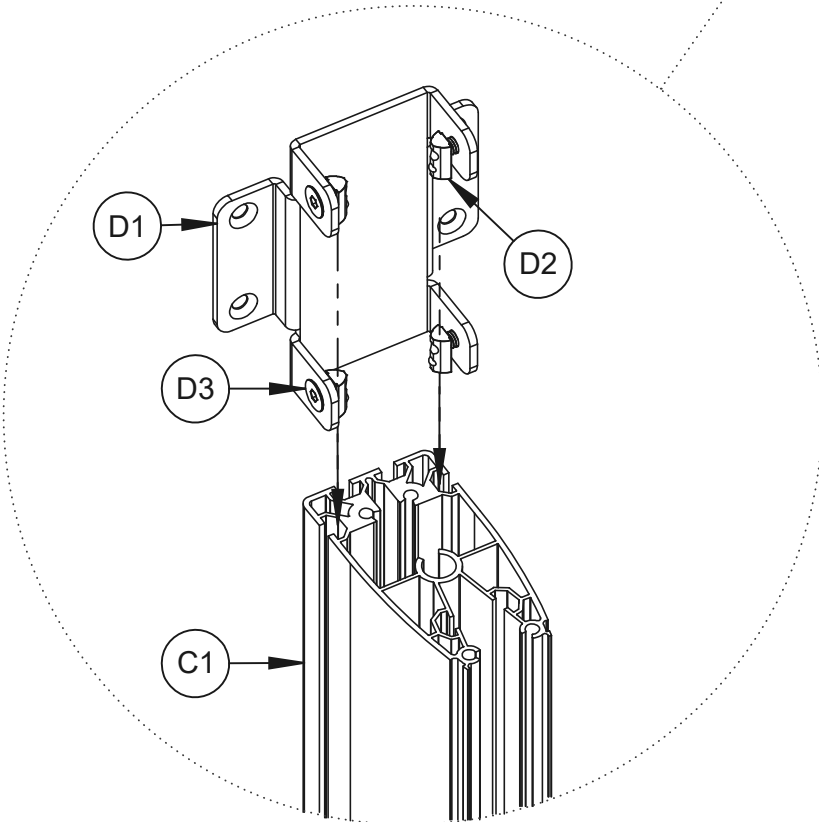
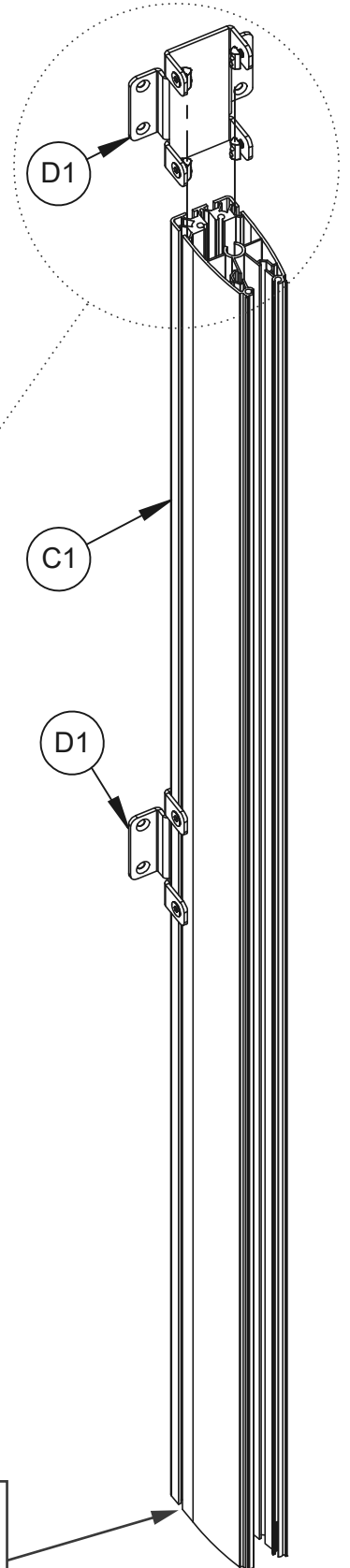
## Attach Joining Plate to Column

- i. Connect together four x item D3 with item D2 onto each item D1.
- ii. Lay items C1 on the floor and slide item D1 onto item C1.

i.

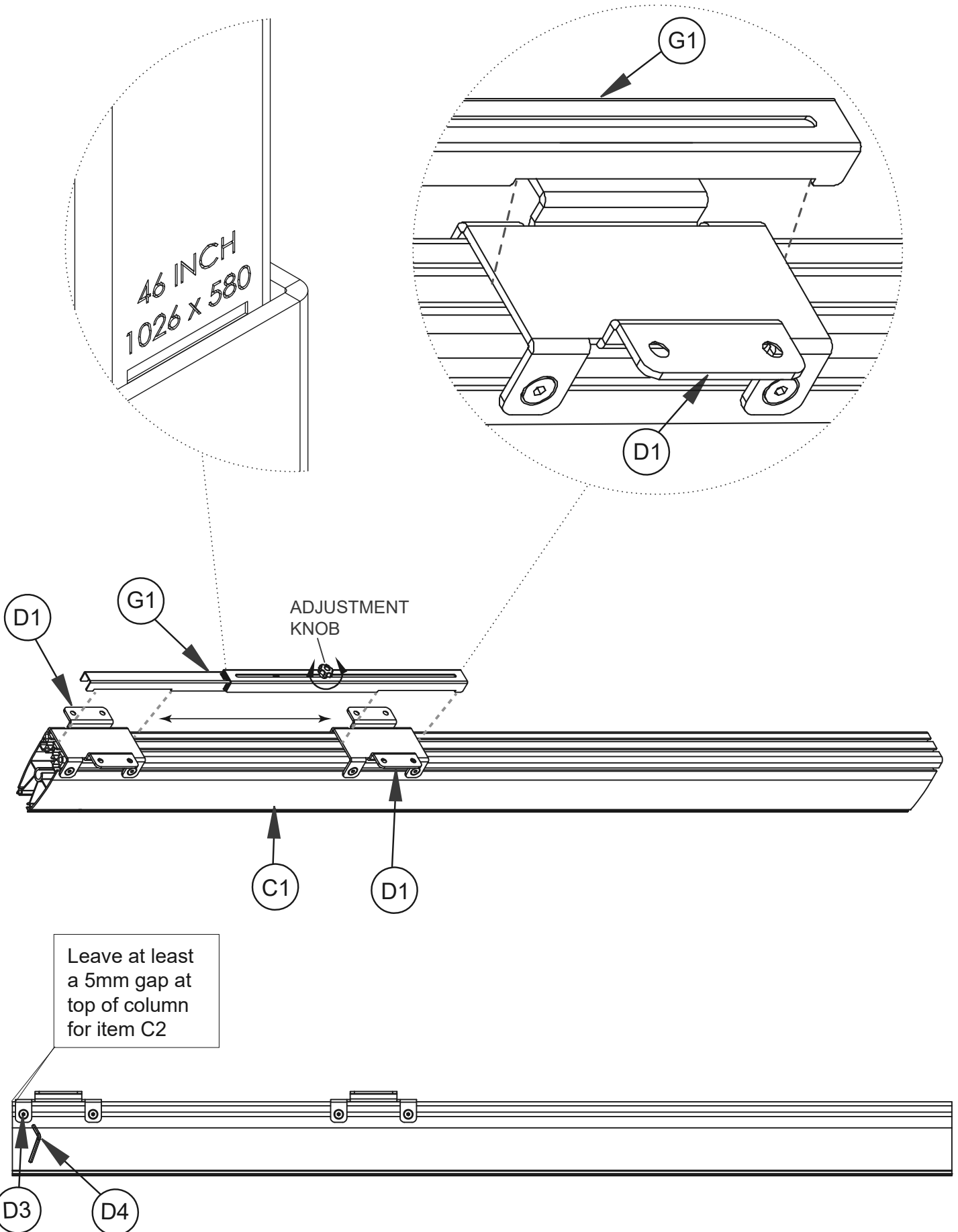


ii.



**IMPORTANT:**  
Make sure the end with M8 threads  
are at the bottom of the columns.

- iii. Use item G1 to set the distance between items D1 on item C1 according to the screen size.  
Once set, tighten item D3 with item D4.



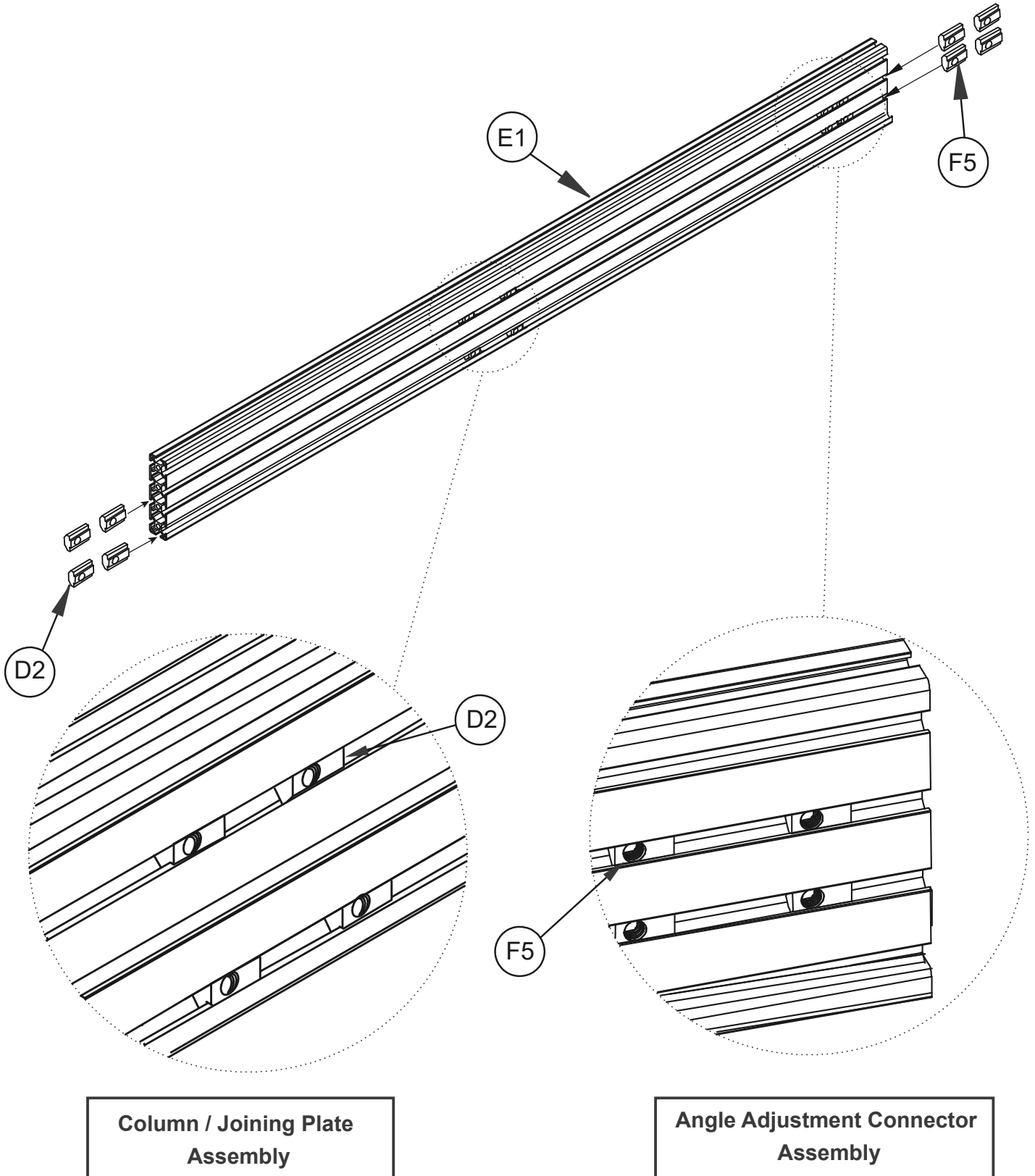
## 2

### Insert Sliding Nuts into Mounting Rails

Lay items E1 on the floor.

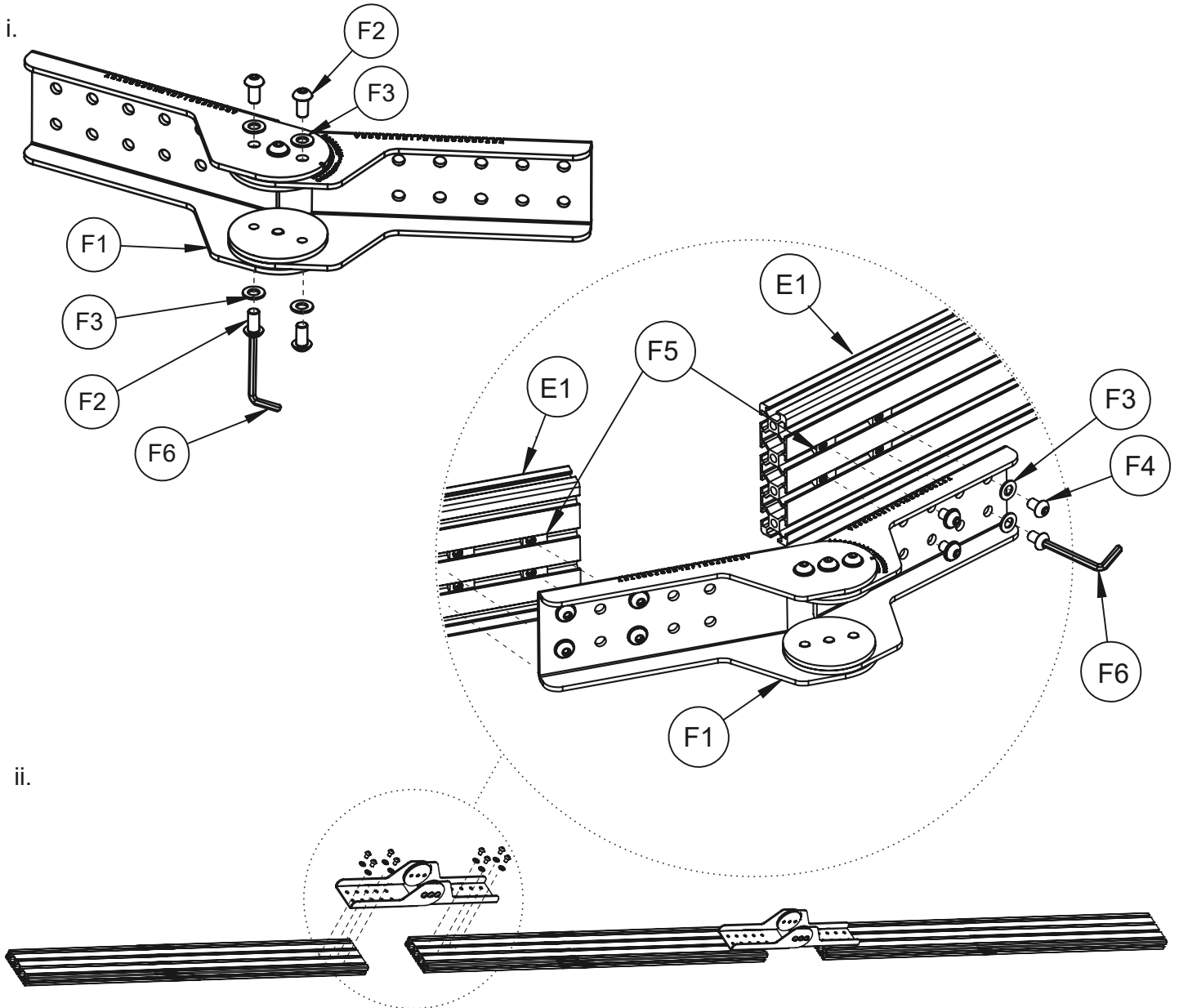
For each attachment of item D1, insert 4 x item D2 into item E1. Two in the bottom slot, two in the second from top slot.

To attach item F1 to item E1, insert 4 x item F5 into the end of the rail. Two in each centre slot.



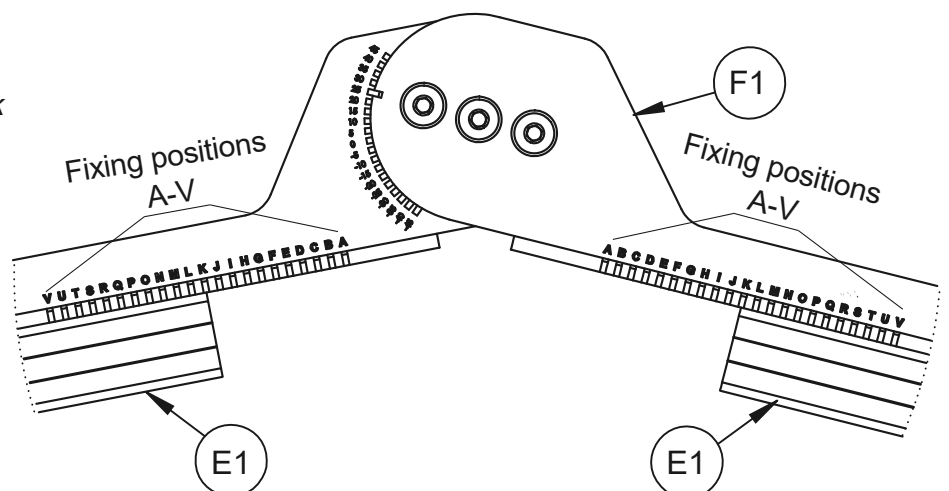
### Connect Rails Together using the Angle Adjustment

- i. Assemble items F2 and F3 to item F1. *Do not fully tighten the screws and washers.*
- ii. With the rails flat on the floor, fix item F1 to 2 x item E1 using items F3, F4 and F5. Make sure all rails are fixed using the same positions on item F1\*.



**\*Note:** The rail fixing positions to use on part F1 are dependent on the size of screens being used.

For help with the rail fixing position contact:  
[technical@btechavmounts.co.uk](mailto:technical@btechavmounts.co.uk)  
 Please state the screen size, screen depth, rail length and curve angle of the installation.

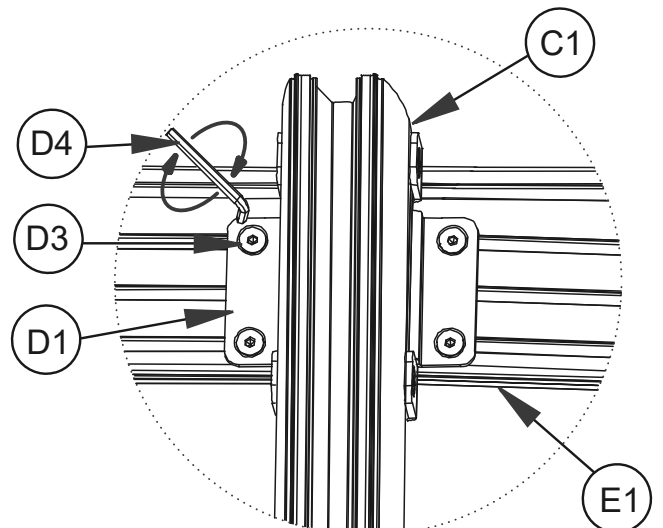
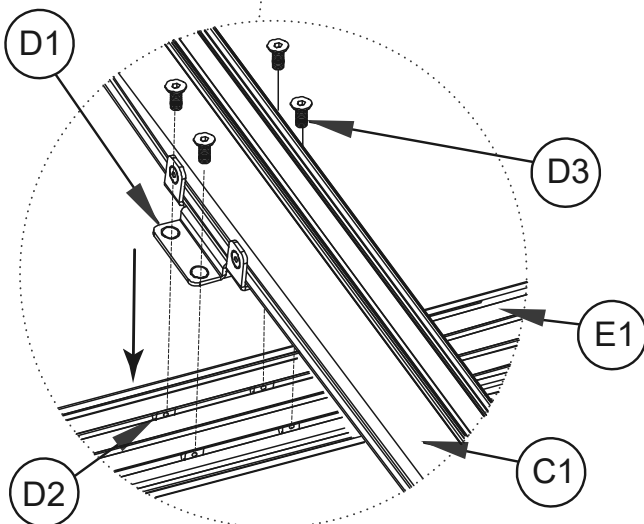
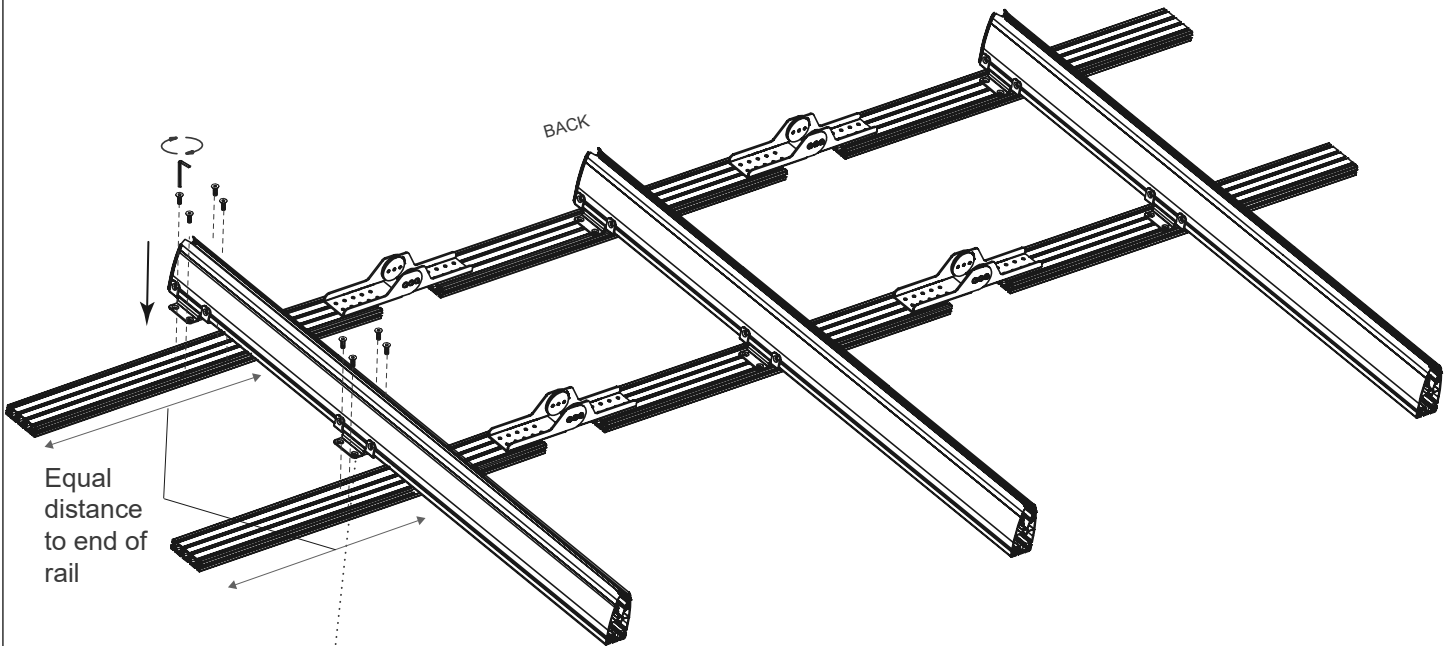
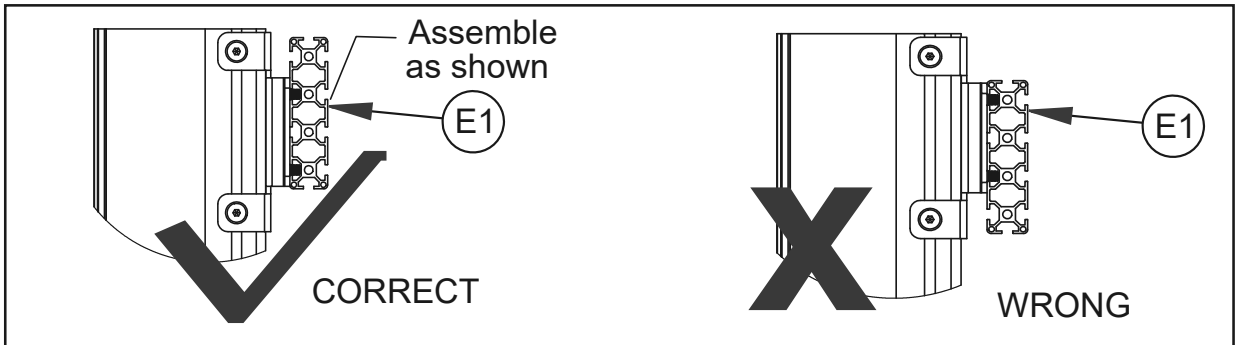


# 4

## Attach Columns to Rails

On the floor lay item C1 onto item E1. Attach item D1 to item E1 by fastening item D3 into the inserted items D2.

To ensure straight assembly of item C1 make sure the distance of items C1 to the end of item E1 are set the same on each rail.

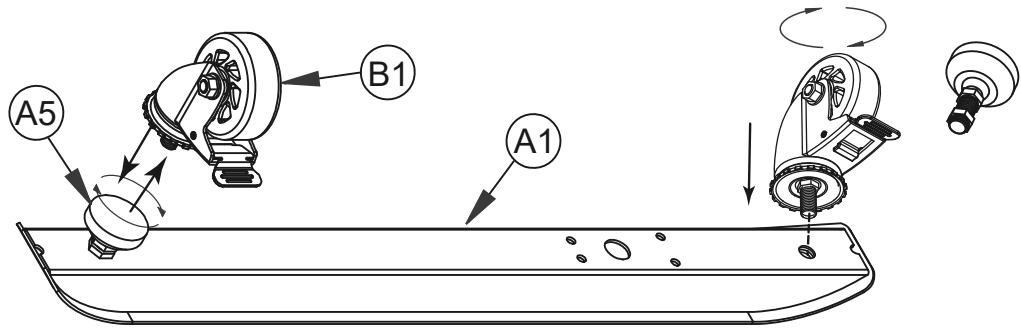


# 5

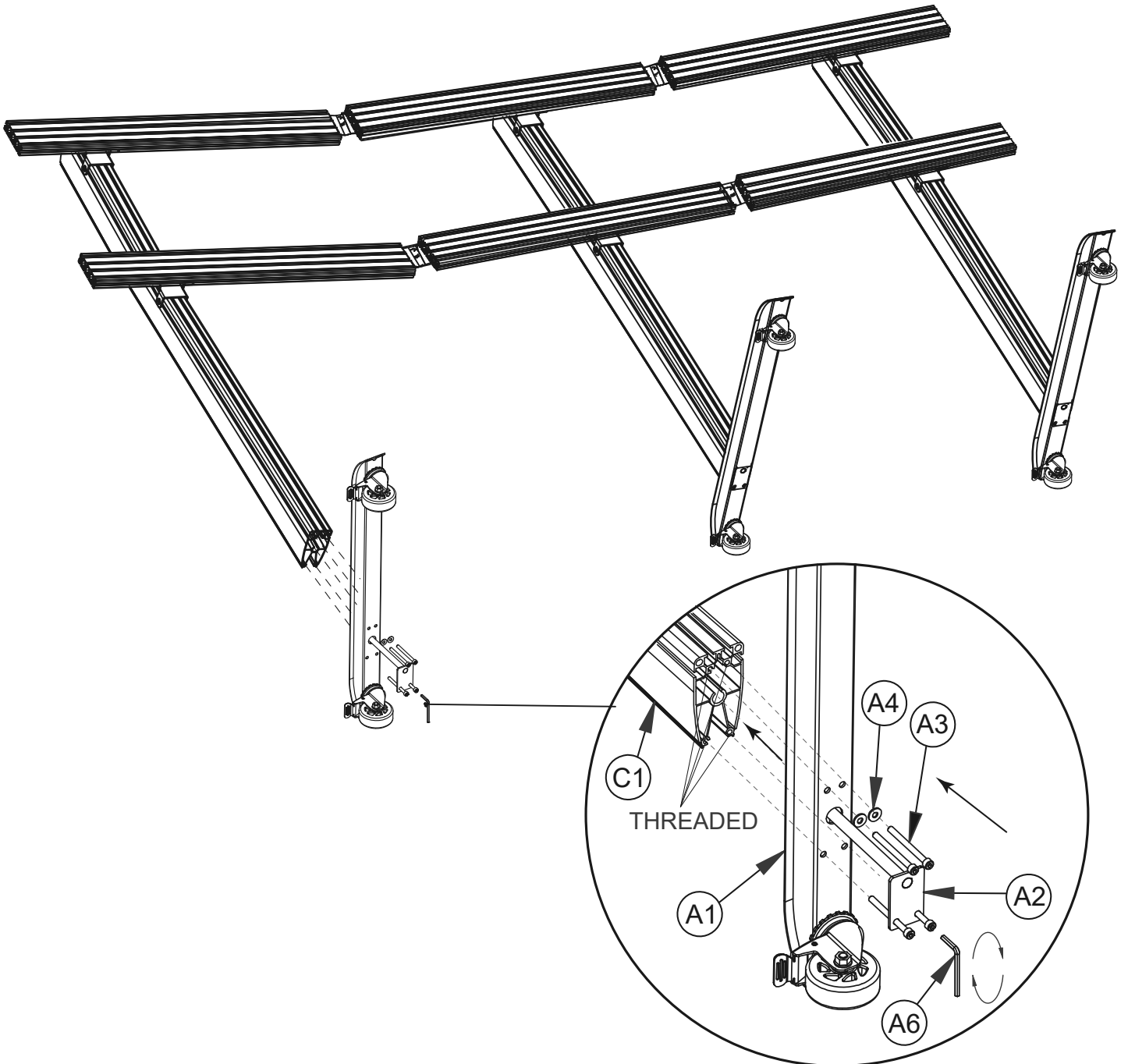
## Assemble Bases to Columns

i. If required, unscrew item A5 on item A1 and replace with item B1 before attaching bases to the columns.

**NOTE:**  
Ensure castors are set on the braked position for assembly.



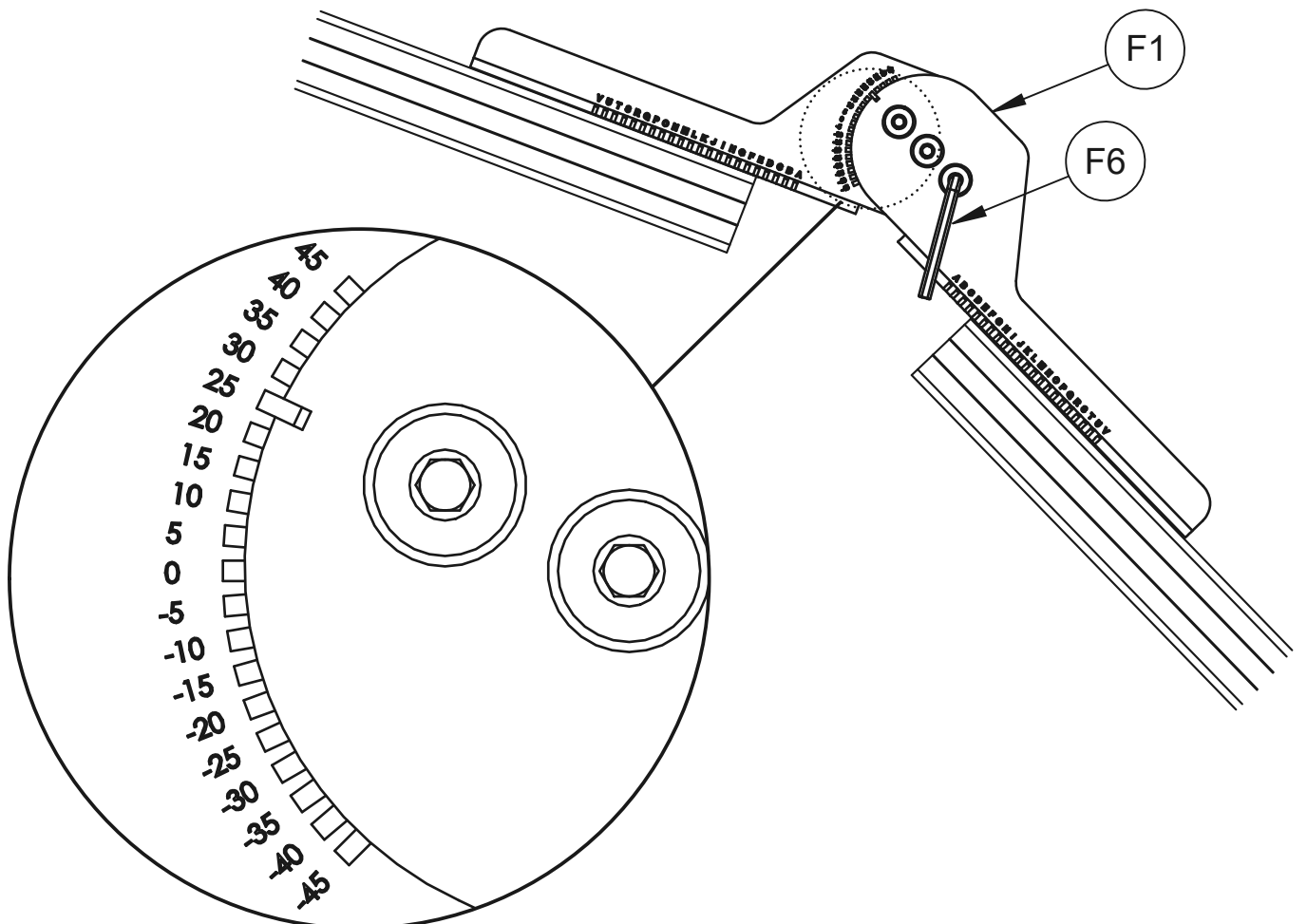
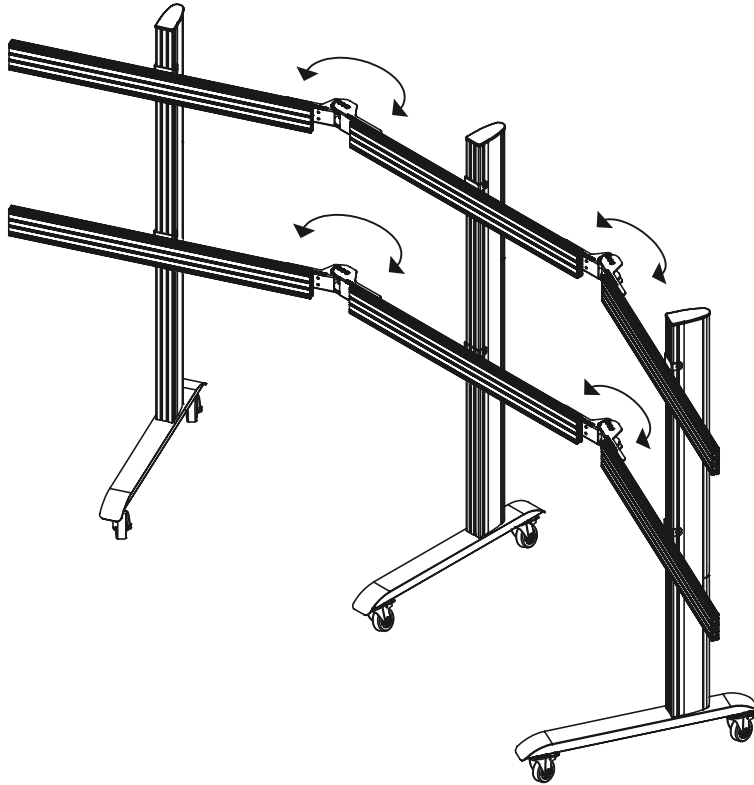
ii. On the floor, attach item A1 to item C1 using items A2, A3 & A4.  
Once bases are fixed to columns, return stand to upright position.



6

### Fix Angle

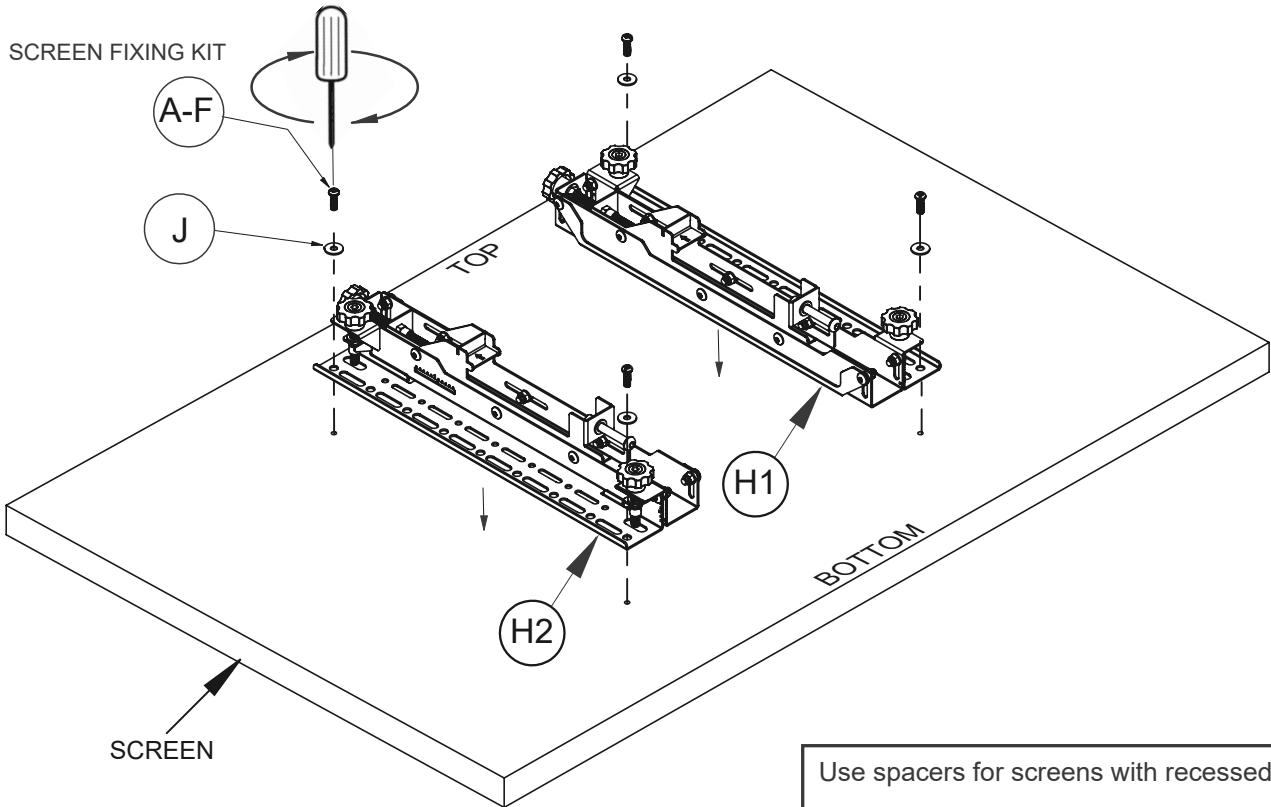
Set the angle required on item F1 and fully tighten all screws with item F6.



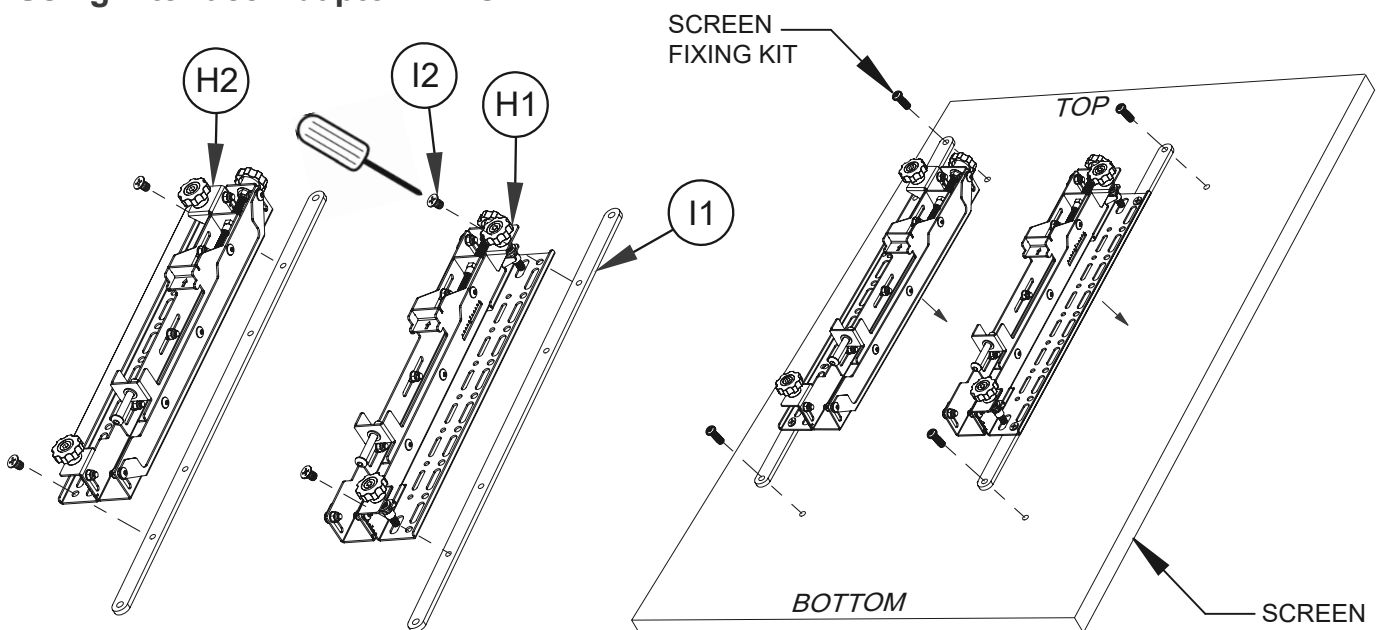
# 7A

## Attach Interface Arms to Screen (BT8390-VESA400MAF Arms)

Attach items H1 & H2 to the back of the screens using items A-F. Ensure the arms are positioned the correct way round and the same holes are used on both arms.



## Using Interface Adaptor Arms

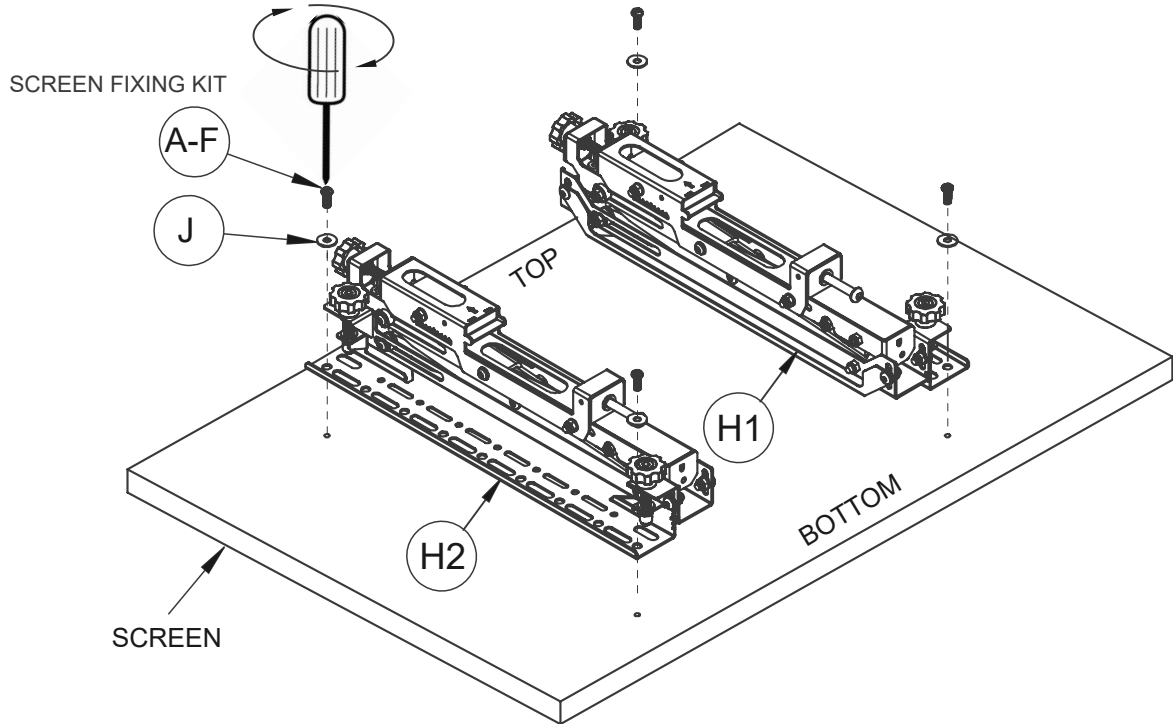


**NOTE:** Portrait mounting shown.  
For landscape mounting attach adaptor arms horizontally



## Attaching Pop-Out Interface Arms to Screens (BT8390-VESA400MAP arms)

- i. Attach items H1 & H2 to the back of the screens using items A-F. Ensure the arms are positioned the correct way round and the same holes are used on both arms.



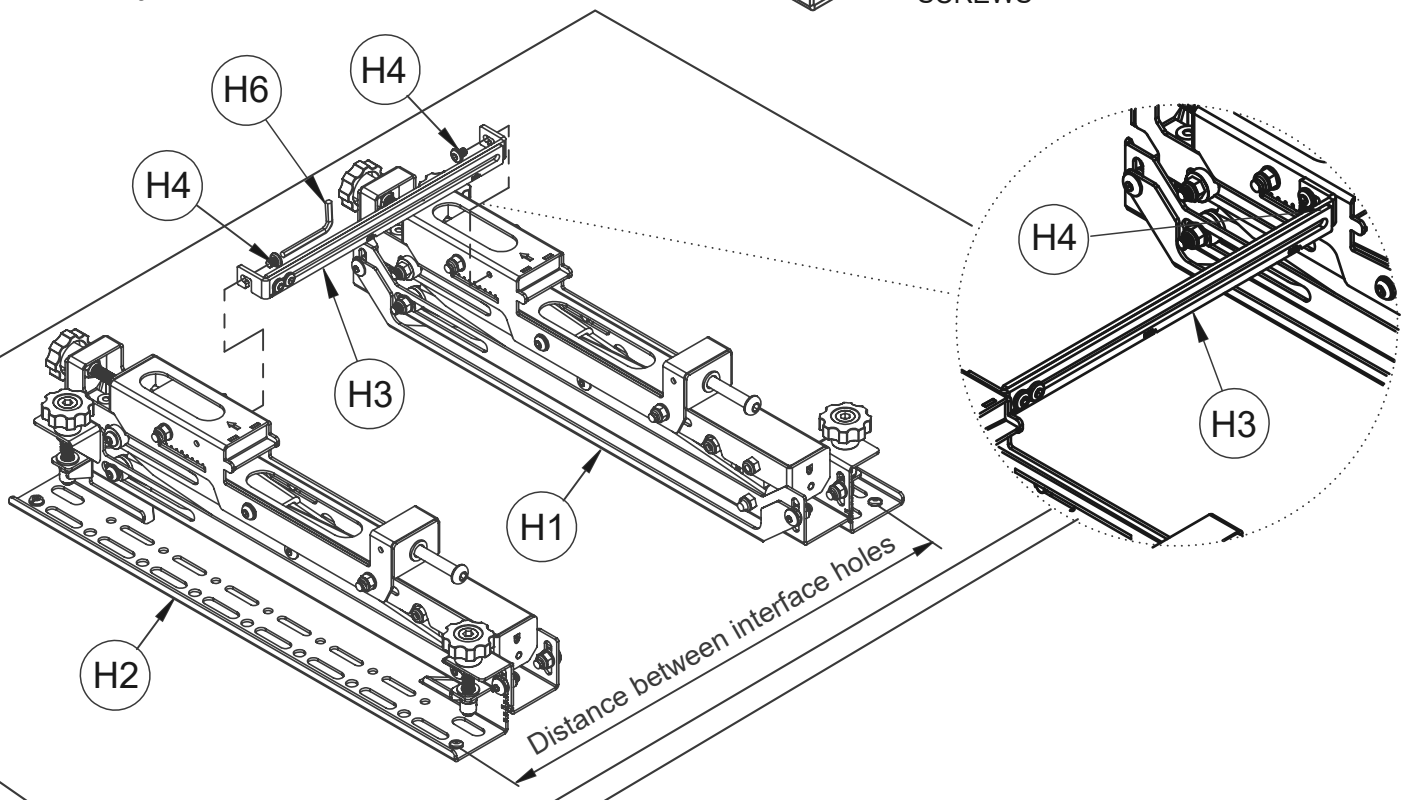
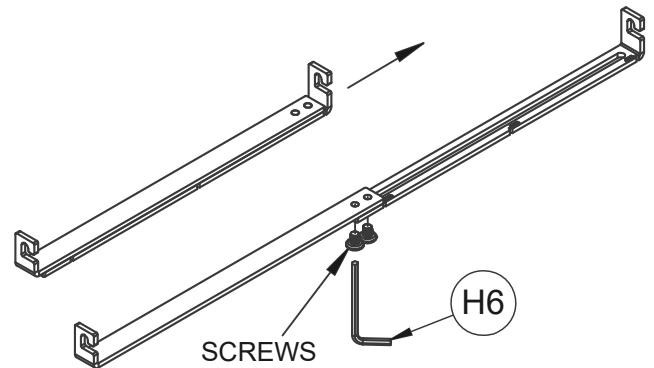
- ii. Connect interface arms with the adjustable brace.

Extend item H3 and fix at desired length by tightening the 2 screws.

The 3 notches show the position for interface fixings at 400mm, 500mm and 600mm.

**Note:** The adjustable brace is only suitable for horizontal VESA fixings from 400 - 600mm.

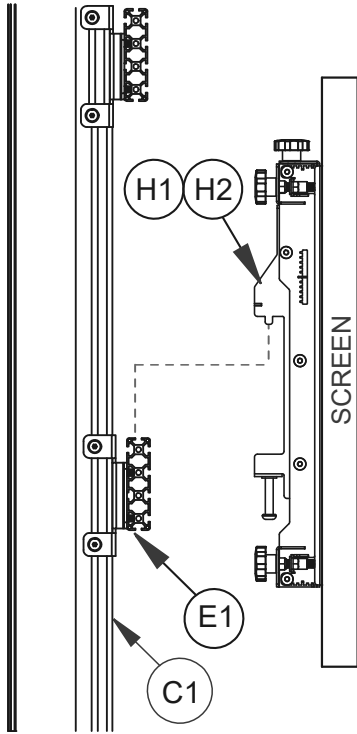
- iii. Fix item H3 to items H1 & H2 for easy lateral adjustment of screen.



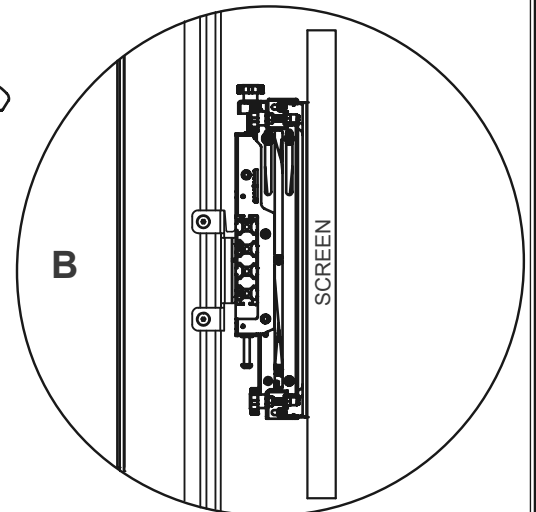
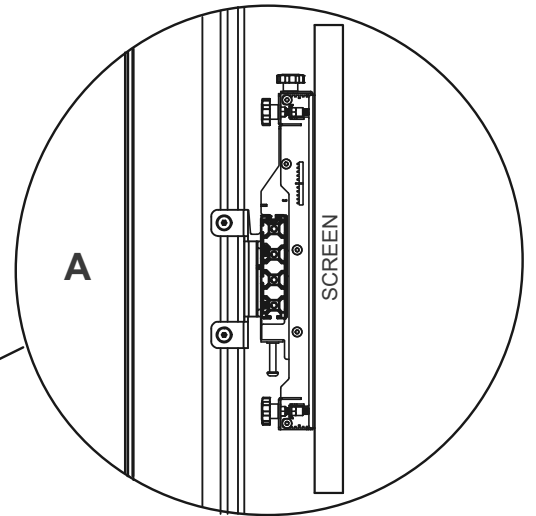
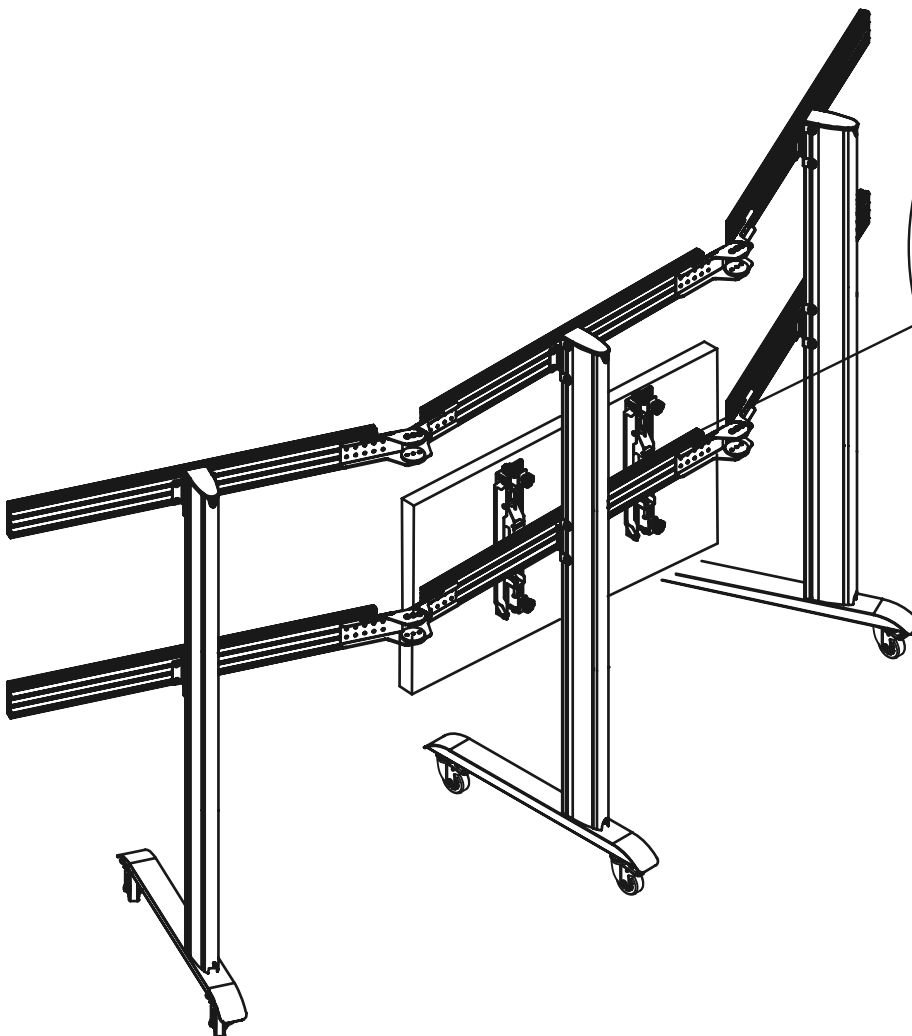
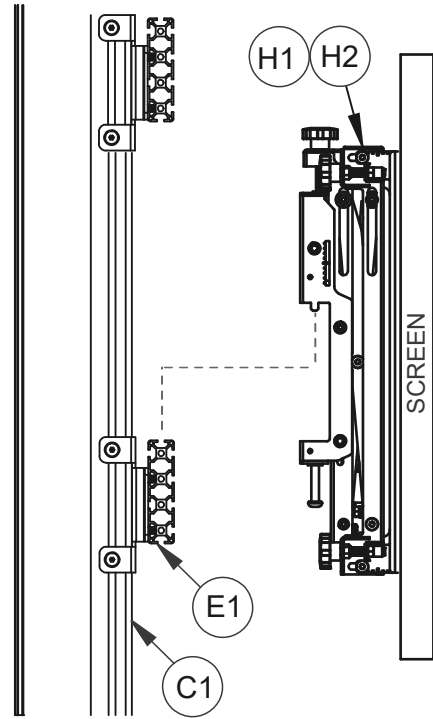
## Hook Screen onto the Stand

Hook the first screen centrally onto the bottom rail.

### A. BT8390-VESA400MAF ARMS

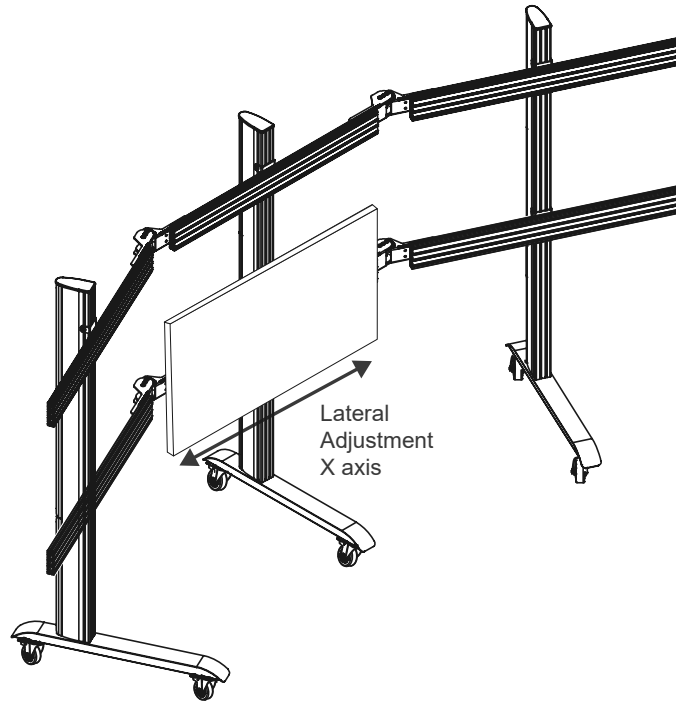


### B. BT8390-VESA400MAP ARMS

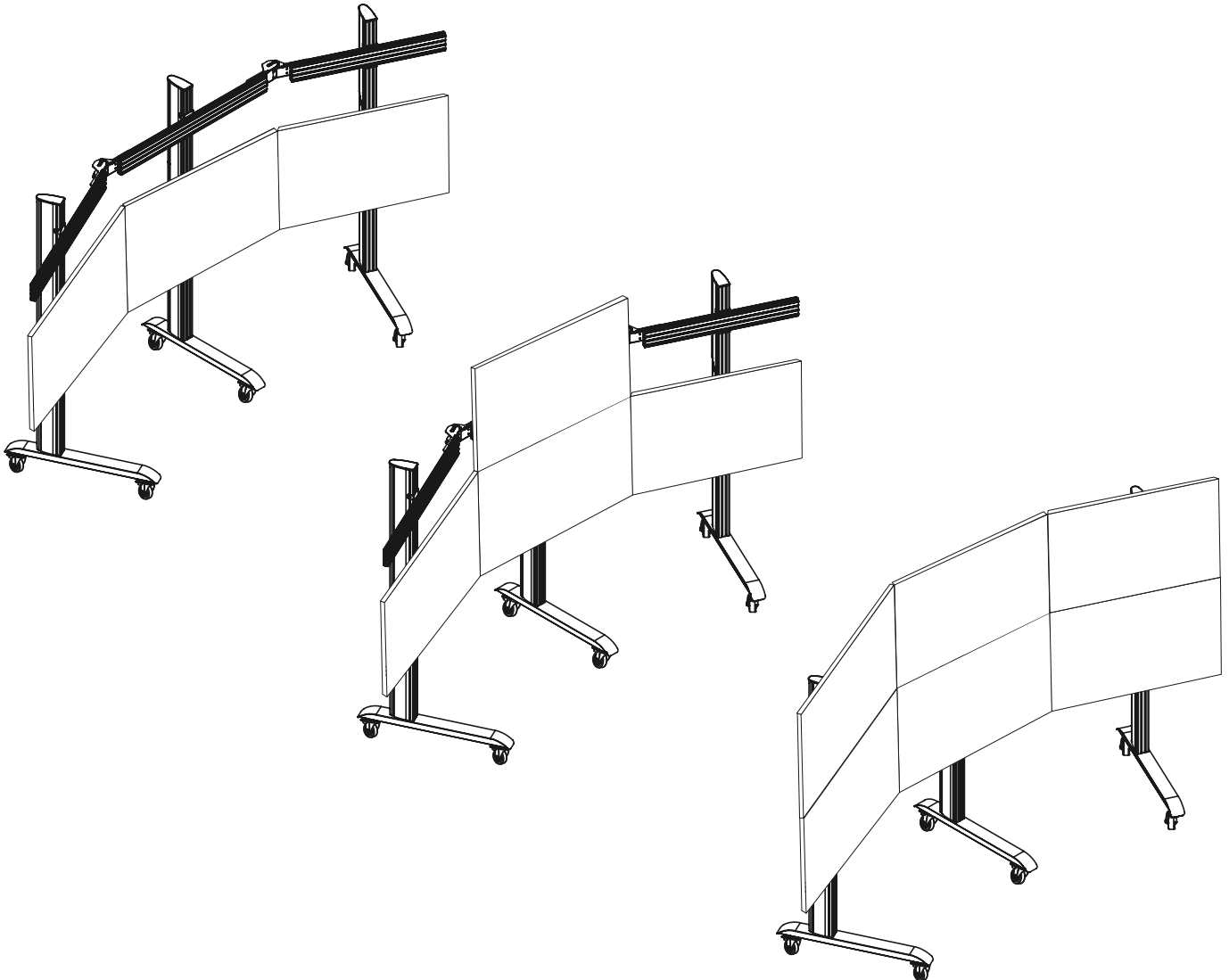


## Mount and Align Screens

- i. Laterally adjust the screen to the desired position, ensure the screen is level and parallel to the floor using the micro-adjustment knobs on the interface arms - See Step 10.



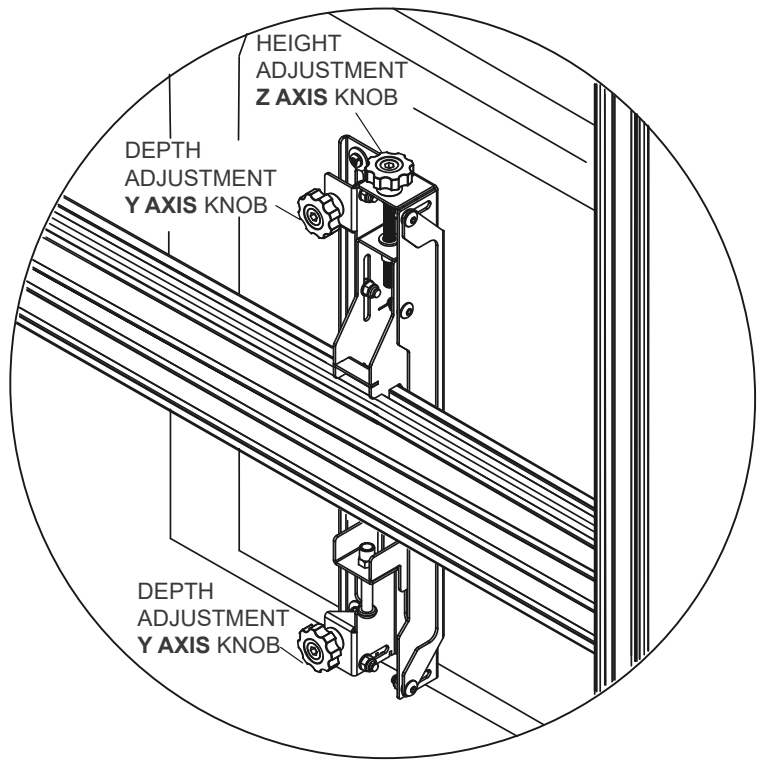
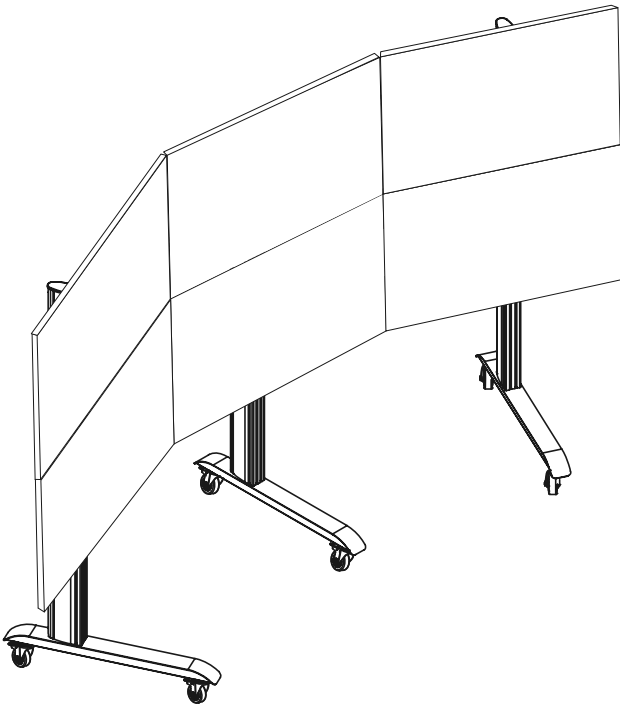
- ii. Hook on the remaining flat screens. After mounting each screen use the micro-adjustment knobs on the interface arms to level and align screens.



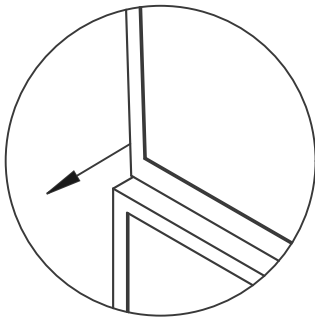
## Align Screens using the Micro-Adjustment

- i. Align the flat screen to the floor using the height adjustment knobs.
- ii. Use the depth adjustment knobs to ensure flat screen is perpendicular with the floor and to ensure that each corner of the screen is aligned evenly.

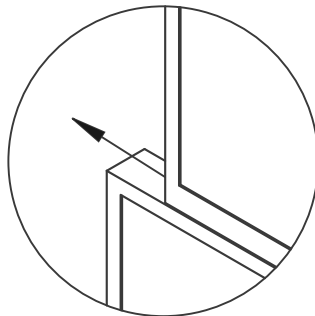
Micro-adjust top row first and work down row by row.



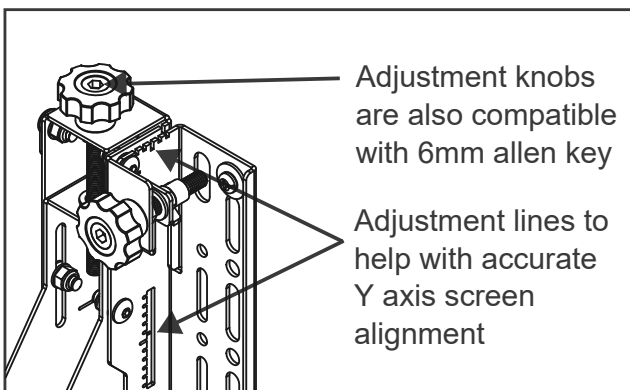
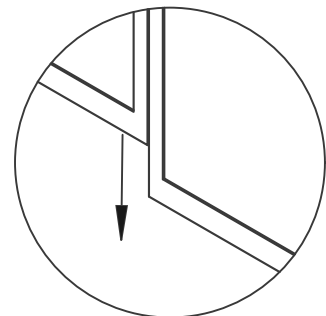
**Use Depth Adjustment**  
(Y axis knobs) to align front of screens



**Use Lateral Adjustment**  
to align sides of screens

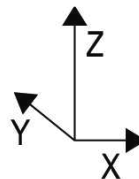


**Use Height Adjustment**  
(Z axis knobs) to align bottom/top of screens



Adjustment knobs are also compatible with 6mm allen key

Adjustment lines to help with accurate Y axis screen alignment



**Note:** Light pressure in the desired direction of travel will assist in the adjustment of knobs when using heavier screens

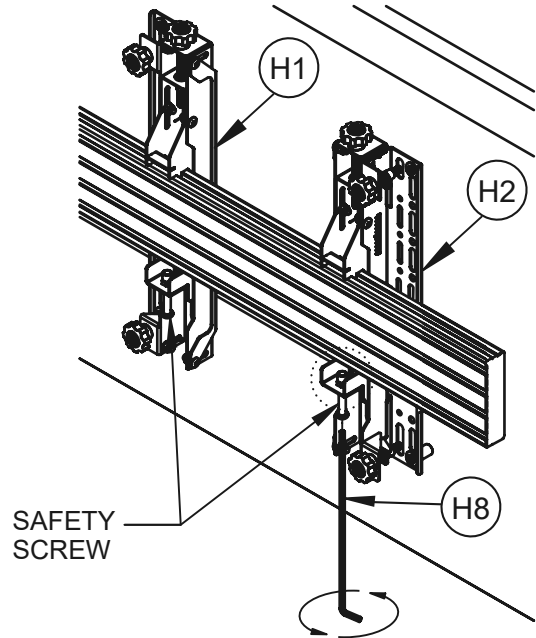
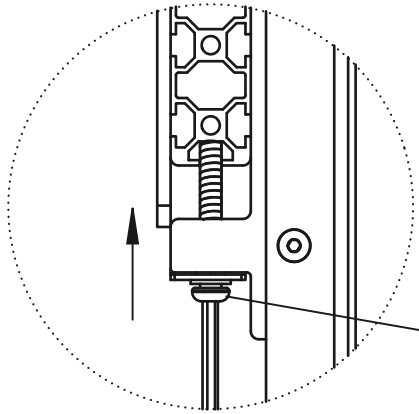
**BT8390-VESA400MAF**  
Total Y axis adjustment is 20mm  
Total Z axis adjustment is +/-25mm

**BT8390-VESA400MAP**  
Total Y axis adjustment is 20mm  
Total Z axis adjustment is +/-20mm

1 1

### Secure Screens

Once screens are aligned, tighten the safety screws on the bottom of items H1 & H2.

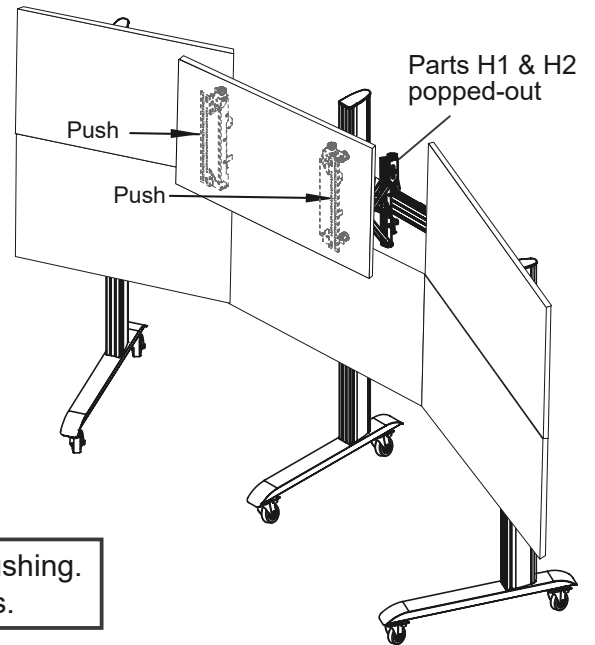


1 2

### Servicing Screens (Pop-Out Arms only)

Push centrally at the left and right of the screen to pop-out the mount. The screen will rest in the 'open' position for servicing.

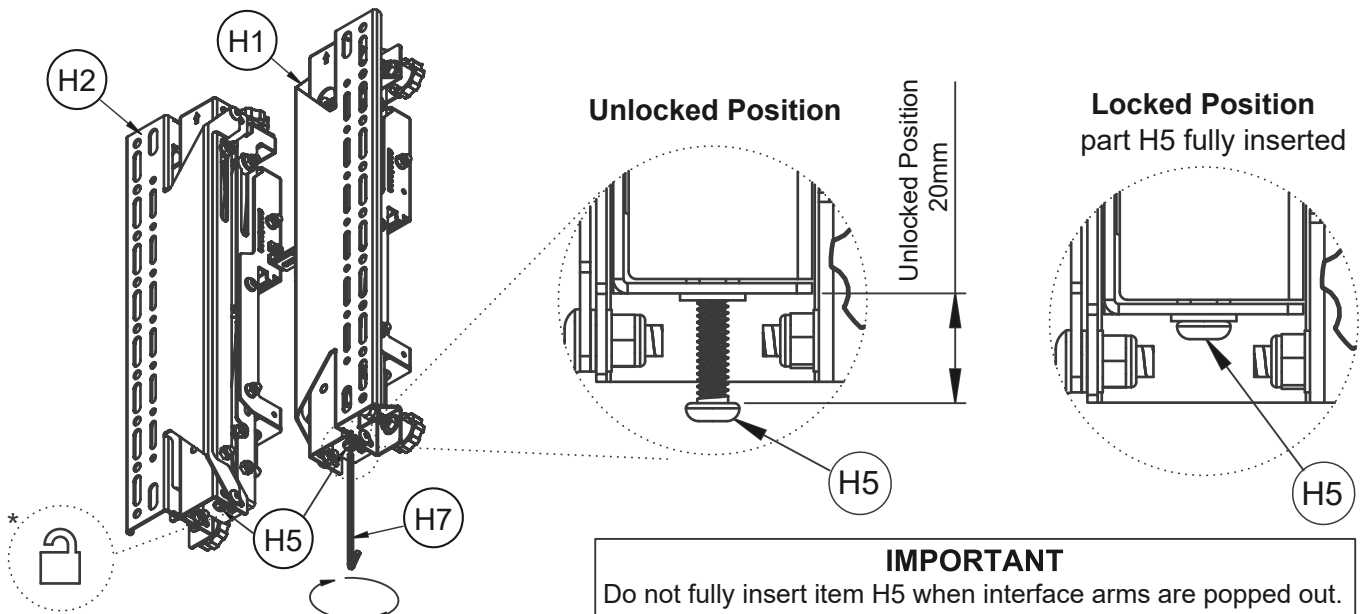
**Note:** Ensure pop-out function is not disabled (see below).



**IMPORTANT:** Be careful not to damage the screen when pushing. Keep hold of the screen as it moves outwards.

### Disabling Pop-Out Function (optional)

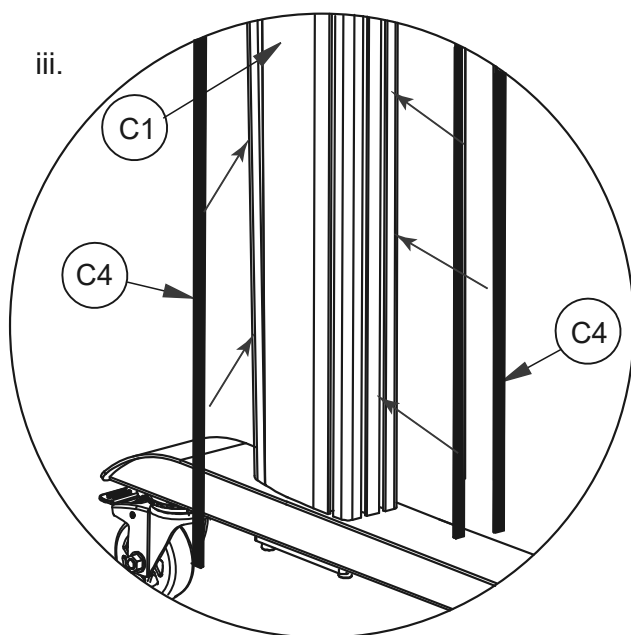
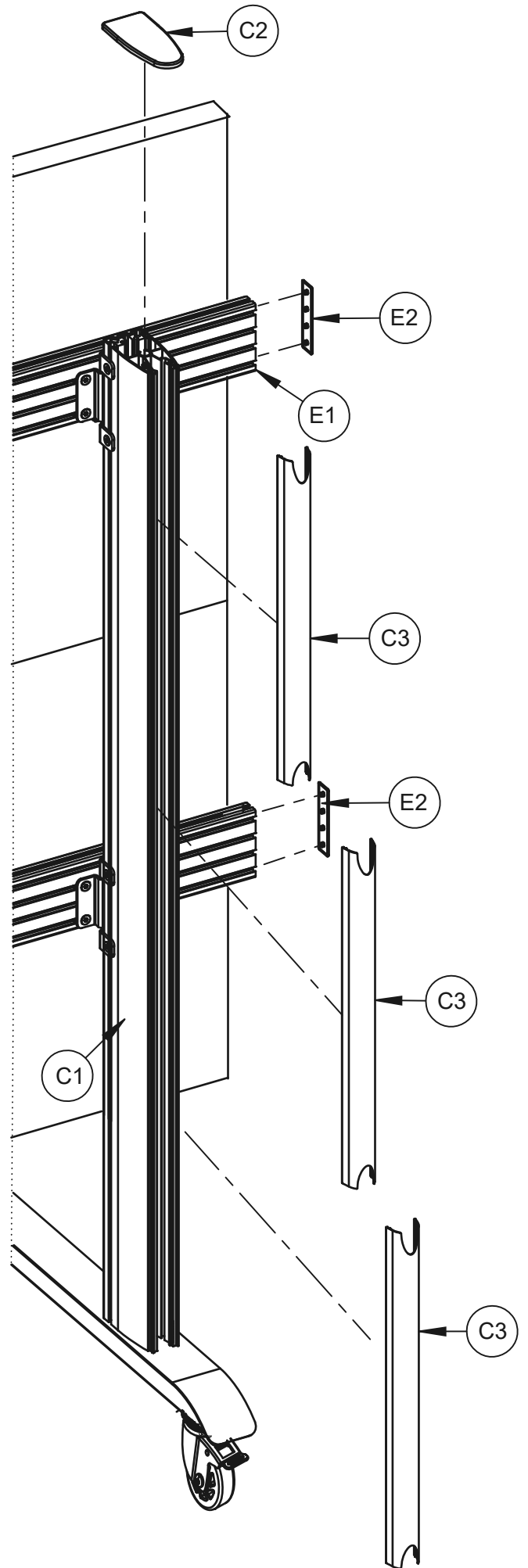
To prevent interface arms from popping out, fully insert and tighten item H5 at the padlock\* symbol at the bottom of items H1 & H2.



**IMPORTANT**  
Do not fully insert item H5 when interface arms are popped out.

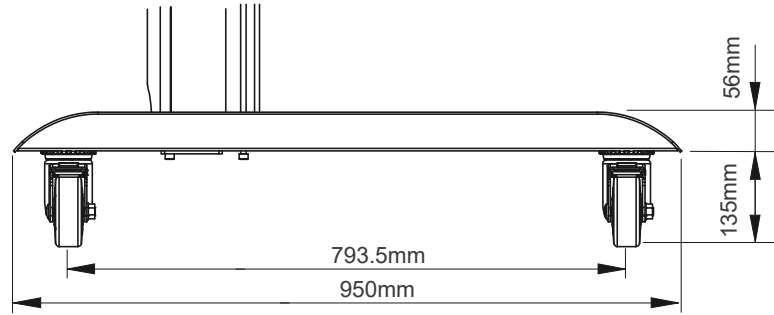
## Add End Caps & Cable Management Covers

- i. Once all the screens and power cables are connected and if possible routed down the backs of item C1, partially clip on items C3, this allows easy removal if more cables need adding. Once satisfied all cables are fitted, clip items C3 on fully.
- ii. Fit items E2 to items E1.  
Fit items C2 to items C1.
- iii. With a knife, cut to length items C4 and slot into the front and sides of item C1.

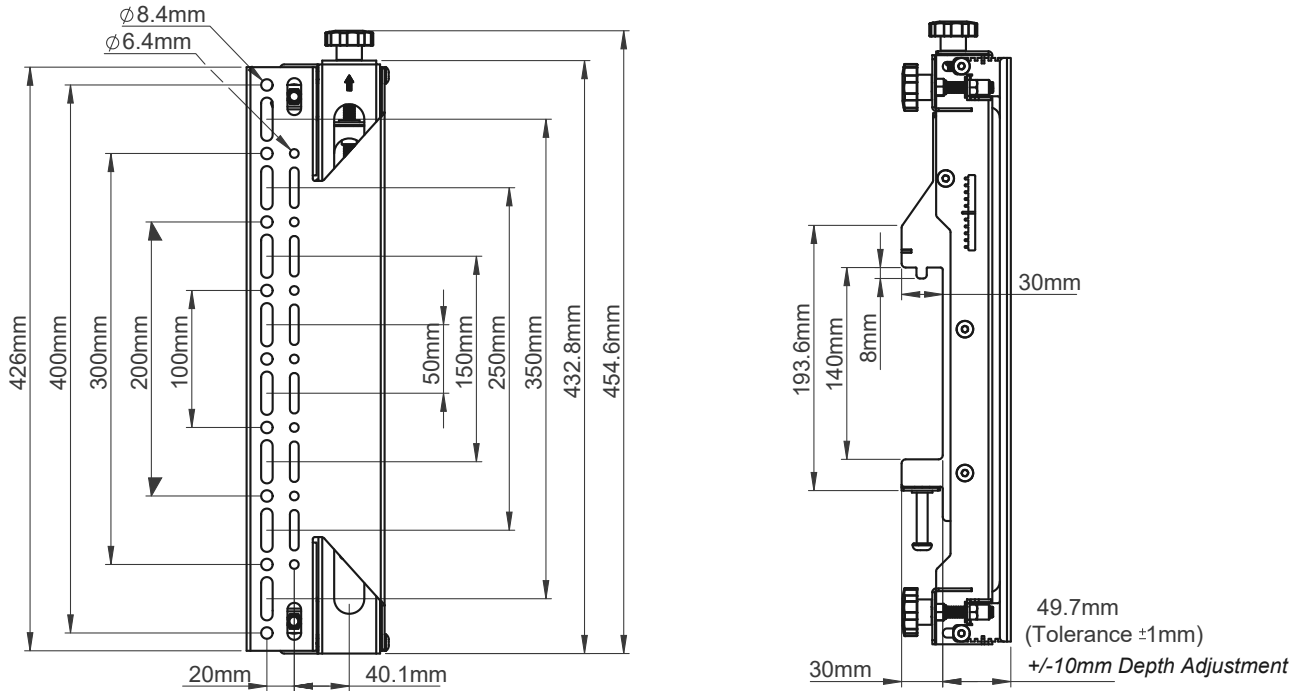


# PRODUCT DIMENSIONS BASE AND INTERFACE ARMS

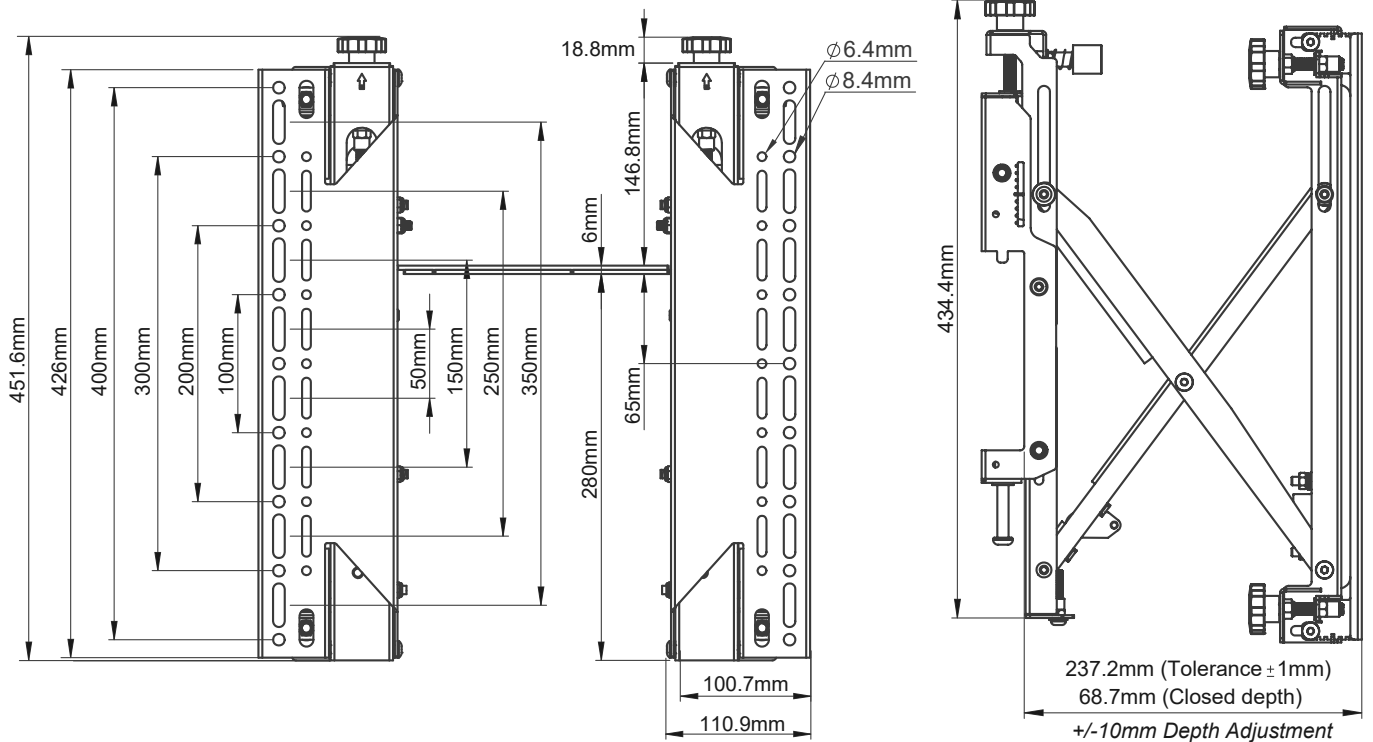
**BT8380-BASE**



**BT8390-VESA400MAF**



**BT8390-VESA400MAP**



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