Product Description:

Congratulations on your new Aeon purchase!

The **Aeon Series** is a fixed frame projection screen that uses Elite's EDGE FREE® technology. The EDGE FREE® design resembles a giant size flat pa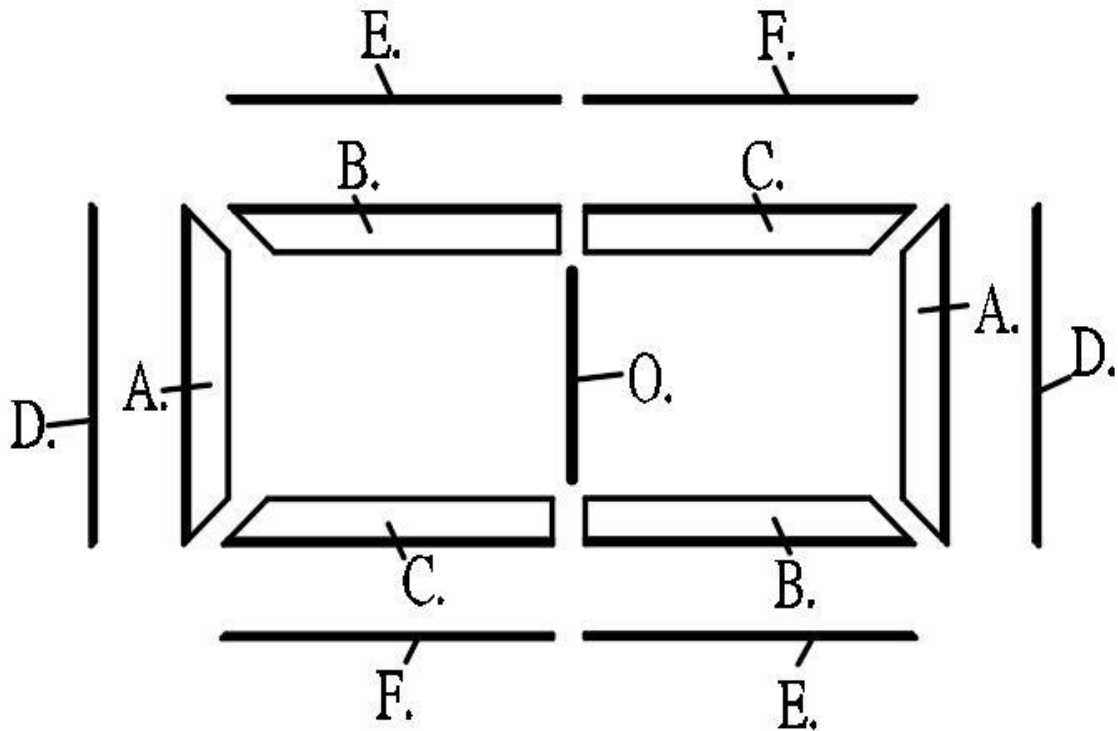nel TV display. The **Aeon** includes a bezel trim to further enhance the frame appearance and absorb projector overshoot. An optional LED kit is available for backlighting.
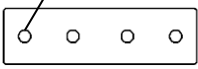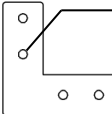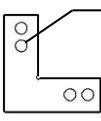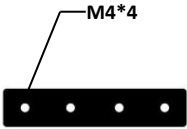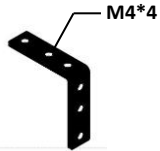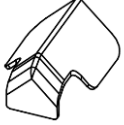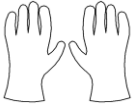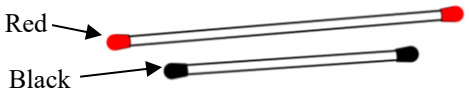
The screen material included is our ***ISF Certified CineGrey 3D*®** which is a front projection material, precisely formulated for environments with minimal control over room lighting. It was designed to *enhance picture brightness*, *offer accurate color fidelity*, and *improve contrast levels*. The **CineGrey 3D®** is best for family rooms, educational facilities, conference rooms, house of worship or any applications in which incident light is a factor.

In order for the **CineGrey 3D®** to maintain its projection qualities and optimum performance please refer to the list below for proper maintenance and cleaning.

- Use a dry microfiber cloth to remove dust from the screen's surface.

- When cleaning, use a damp microfiber cloth with warm water to remove any marks.

- Never rub or apply pressure when cleaning the surface.

- Never attempt to use any solutions, chemicals or abrasive cleaners on the screen surface.

- In order to avoid damaging the screen, avoid touching it directly with your fingers, pens/pencils or any other sharp or abrasive objects.

1. Frame and Edge Trim Parts List

Qty / item	2 pcs Main Frame Parts	Qty / item	2 pcs Edge Trim Parts
Part A.	vertical frame	Part D.	
Part B.	½ horizontal frame	Part E.	
Part C.	½ horizontal frame	Part F.	

2. Hardware Parts List

a. M4*4	b. D5*4	c. M4*4	d. D5*4
e. M4*4	f. M4*4	g.	h.	i.
j.	k.	l.	m.	n.
o.	p.	q.	r. Red / Black

Item	Parts List	92''	100''	110''	120''	135''	150''	158'	125''	138''	158''
		16:9							2.35:1		
a.	Center Joints- M4 (bottom position)	2	2	2	2	2	2	2	2	2	2
b.	Center Joints-D5 (top position)	2	2	2	2	2	2	2	2	2	2
c.	Elbow Joints M4 (bottom position)	4	4	4	4	4	4	4	4	4	4
d.	Elbow Joints D5 (top position)	4	4	4	4	4	4	4	4	4	4
e.	Side cover Center Joints- M4	2	2	2	2	2	2	2	2	2	2
f.	Side cover Elbow Joints M4	4	4	4	4	4	4	4	4	4	4
g.	M4x7 Screws	24	24	24	24	24	24	24	24	24	24
h.	Spring	52	56	62	68	78	84	90	70	78	88
i.	Spring Hook	2	2	2	2	2	2	2	2	2	2
j.	wall brackets	4	4	4	4	4	4	6	4	4	6
k.	Φ5x50 Wall Screws	8	8	8	8	8	8	12	8	8	12
l.	Hollow Wall anchors	8	8	8	8	8	8	12	8	8	12
m.	M4x4 Screws	24	24	24	24	24	24	24	24	24	24
n.	Angle cover	4	4	4	4	4	4	4	4	4	4
o.	Center Support Bar	1	1	1	1	1	1	2	1	1	2
p.	White gloves	2	2	2	2	2	2	2	2	2	2
q.	Spring	4	4	4	4	4	4	4	4	4	4
r.	Φ3 mm Long Iron (sides) rod/ Short rod (top/bottom)	2/4	2/4	2/4	2/4	2/4	2/4	2/4	2/4	2/4	2/4

Frame Assembly

Step 1: Place the included soft padded EPE sponge sheet on a clean area where the screen will be assembled.

Step 2: Position the pieces of the frame on the EPE sponge in the arrangement shown below

Step 3: Insert *center joint (a/b)* connectors into *one-half of the horizontal frame (B/C)* and secure with the *M4x7 screws (M)* as shown in the illustration below.

Tip: The center joint (b) with the larger diameter holes should be on top.
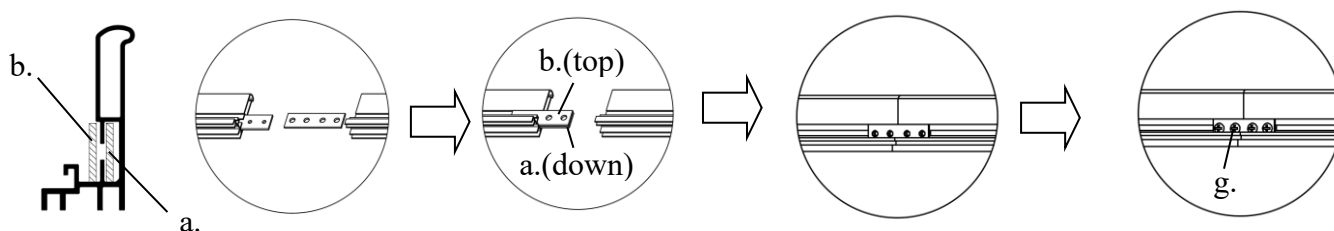
Step 4: Connect the *elbow joints (c/d)* to the top and bottom sections of the vertical frame. Once inserted, connect the vertical sections to the horizontal frame sections. Make sure all holes are in alignment and the frame pieces are flush (no gaps). They should form perfect right angles.

Tip: The elbow joint (d) with the larger diameter holes should be on top.
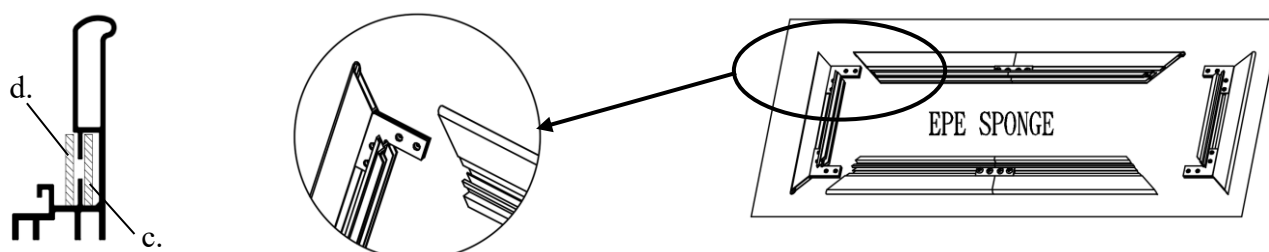
Step 5: Secure the elbow joints by fastening them with *M4x7 screws (g)*, 4 at each corner.

Screen Material

Step 6: Put on the *white gloves (p)* and carefully unroll the screen material on a clean surface from the roller to the other side as shown below. The back side of the screen material should be placed upwards.

Front

Back Side

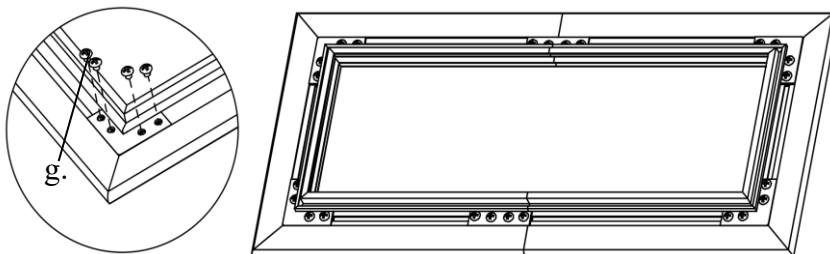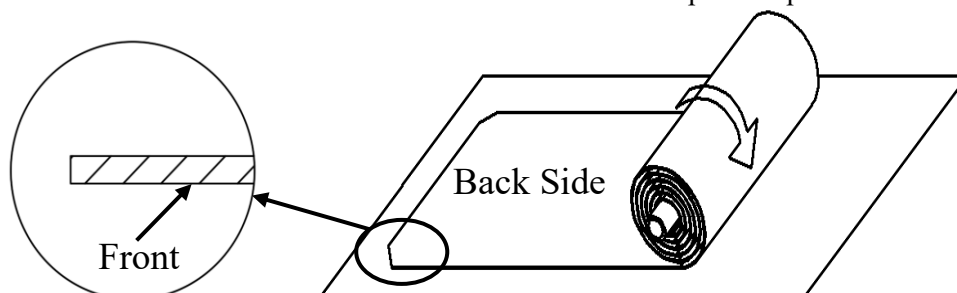**Step 7:** Insert the *rods (r)* through the sleeves according to their corresponding lengths on each edge of the screen as shown below. The short rods (top/bottom) will overlap to secure a firm grasp in the middle areas.

r. (Black tips)

r. (Red tips)

Back Side

Back Side

Back Side

Back Side

15mm   15mm
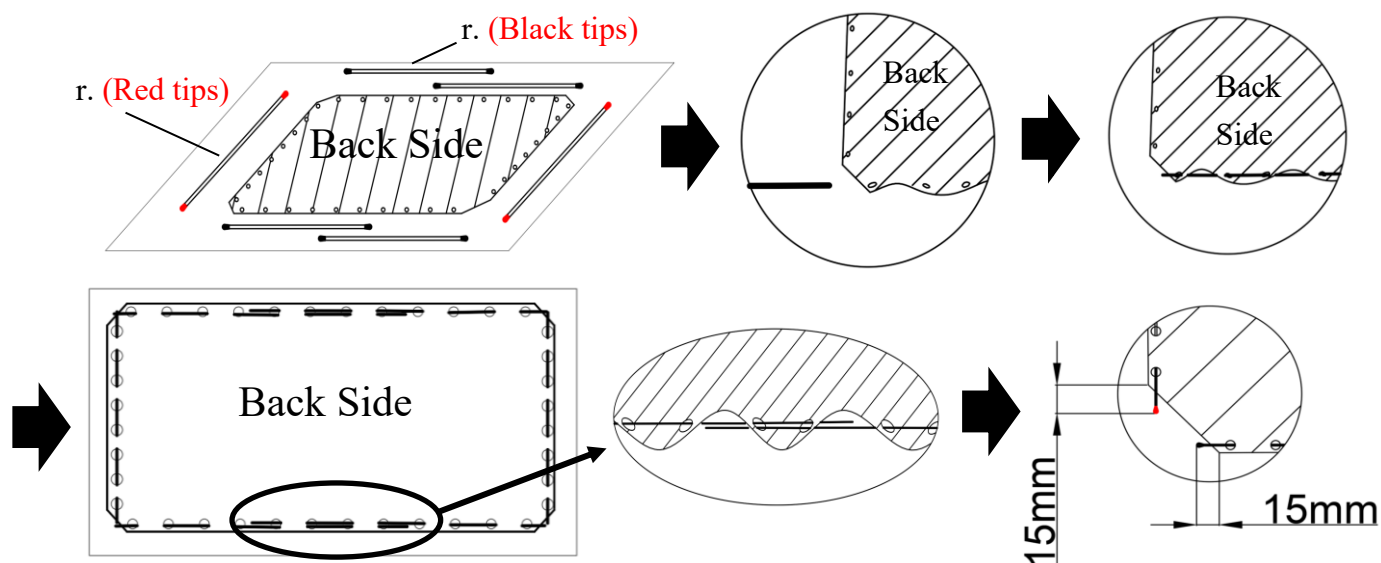
Step 8: Carefully and gently place the assembled frame on top of the screen material in the marked areas as shown below. Make sure to not allow the angle edge of the frame to come in direct contact with the screen material to avoid puncturing it.

BLACK SIDE

*Make sure the frame corners are positioned in the marked areas of the material.
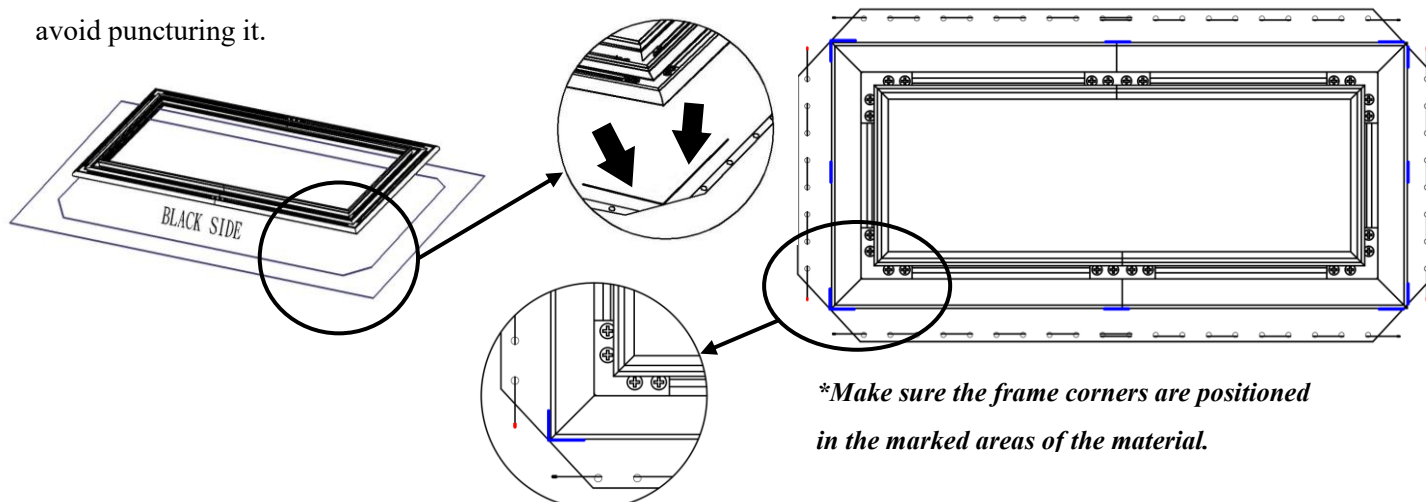
Center Support Bar

Step 9: Insert the *Center Support Bar (o)* into the upper top groove on the back of the frame with the bottom end near the approximate center point of the frame and rotate it in at an angle so that both ends of the bar are in alignment with the groove.
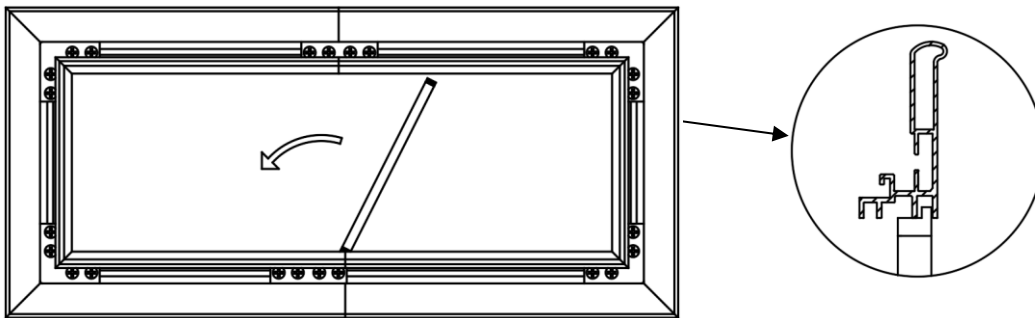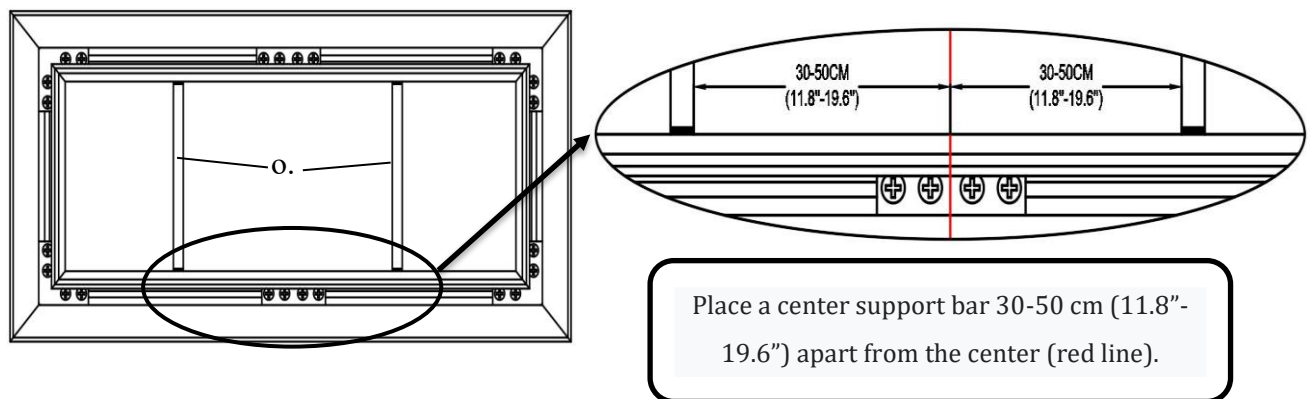
Diagonal Sizes of 150" and below use 1 x Center Support Bar

Diagonal Models above 150" require 2 x Center Support Bars

o.

30-50CM (11.8"-19.6")   30-50CM (11.8"-19.6")

Place a center support bar 30-50 cm (11.8"-19.6") apart from the center (red line).

Step 10: Hook one end of the spring and secure inside the groove of the frame, use the *spring hook (h)* to attach the spring to the exposed part of the *rod (r)* in the following order

h.

i.

Spring must hook both overlapping short rods
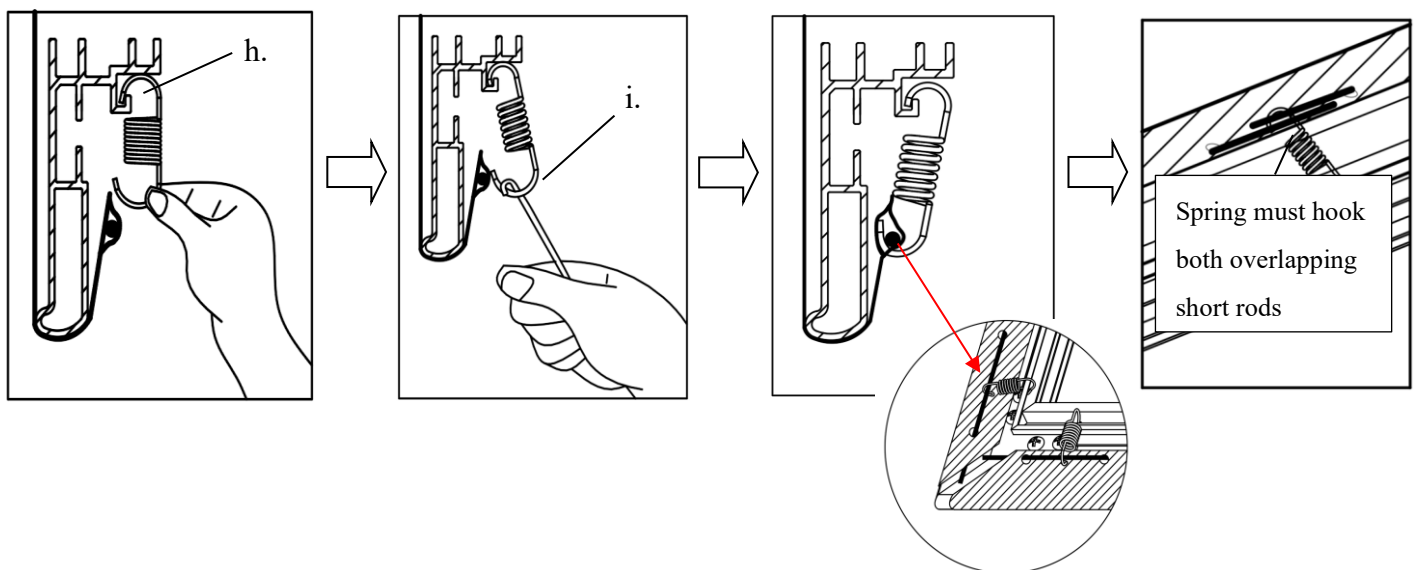
Begin by first attaching the center points on both vertical (left/right) sides, *steps 1-2*. Then the center points on both horizontal (top/bottom) sides, *steps 3-4*. Once all center points have been secured, make sure the screen material is still within the marked areas before proceeding to attach the next springs.

Continue attaching the rest of the springs to the material in the following order in *steps 5-12*.
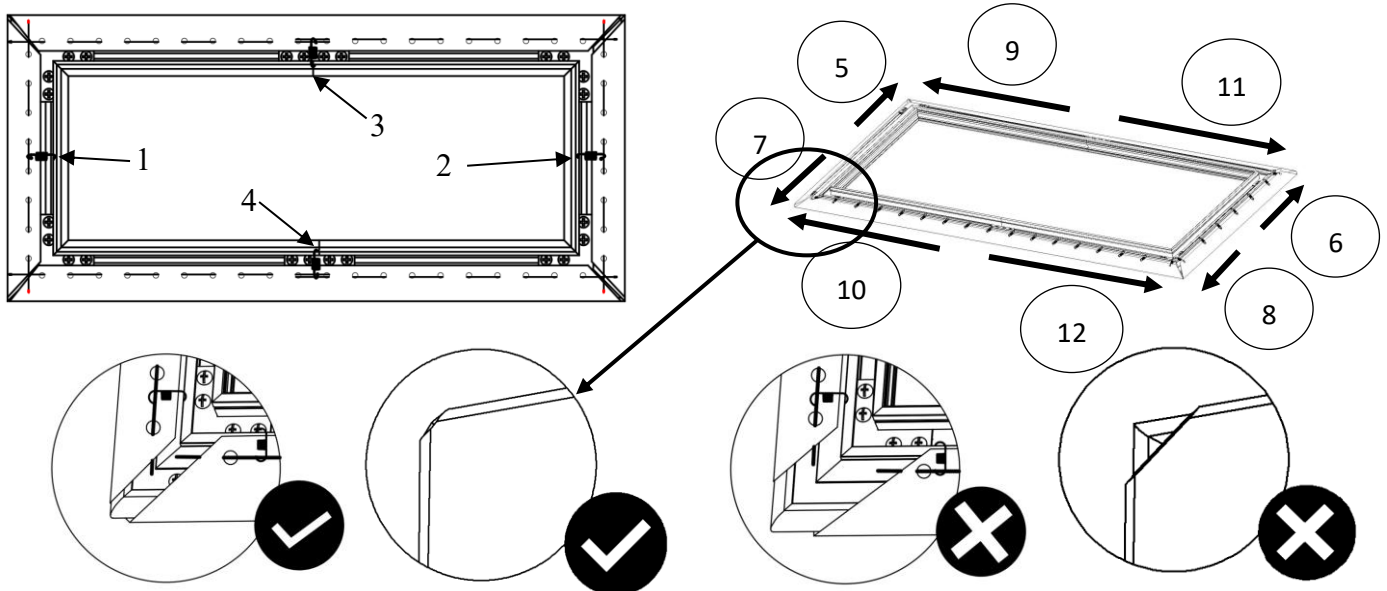
To avoid ripples forming in the material it is imperative that all of the corners are properly wrapped around the edges as illustrated in the check mark diagrams.

**Note (after all springs have been attached):**

Correct material installation –Corners of the screen material are properly wrapped around the corner edges of the frame and material is evenly tensioned and flat, creating a nicely taut surface.

Incorrect material installation –The corners of the screen material are not properly wrapped along the edge of the frame leaving the material with unbalanced tension and an uneven finish. To correct, detach springs from material at the corner(s) where material does not lie flat along the edge of the frame, reposition the material so that it lies flat and wraps along the edge of the frame, and reattach springs to the material.

Note: Please make note of the yellow label and spring in the center of the frame. This is an indicator to start the screen material installation process from the middle area of the frame.

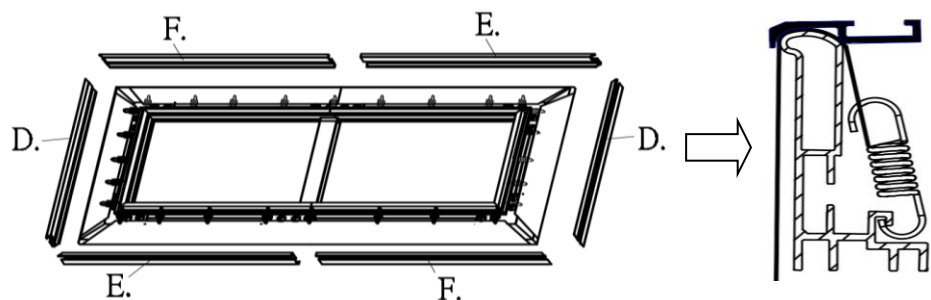**How to avoid getting ripples on the screen's material surface**

Solution: Pull and smooth out the material using your hand from the center to the corners, creating a nicely taut surface as shown below.
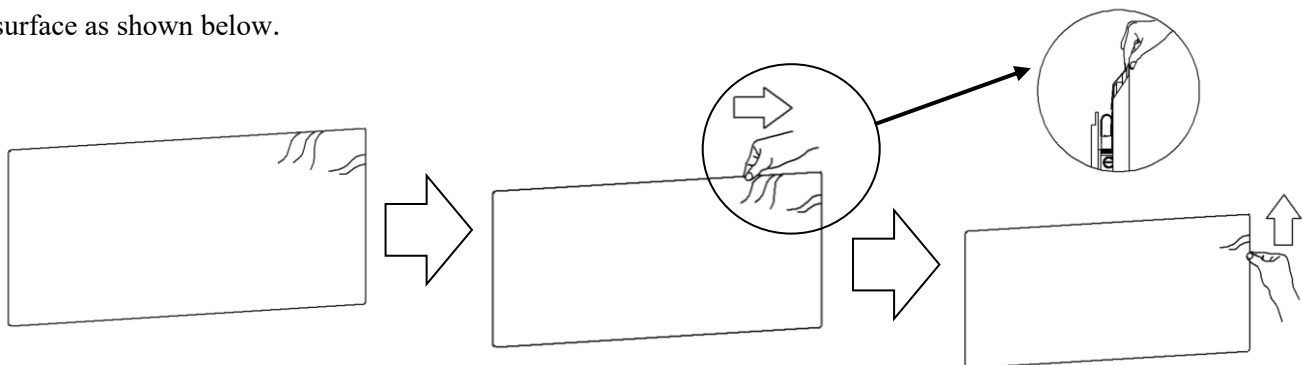
Edge Trim Installation

*ATTENTION: THE TOP EDGE TRIM PIECE WITH THE LOGO SHOULD BE INSTALLED ON THE TOP.*

**Step 11**: Place the edge trim frame pieces over each end of the frame.

Connect edge trim frames (*e/f*) together using the **M4 center joint (e)** and secure with four of the **M4x4 screws (m)** as show in **Step 1**. Repeat for other side.

Once both top and bottom edge trim frames have been connected, attach the vertical (left/right) sides edge trim frames (**d**) using the **elbow joints** (**f**) and secure with four **M4x4 screws** (**m**) on all corners, **Step 2**.
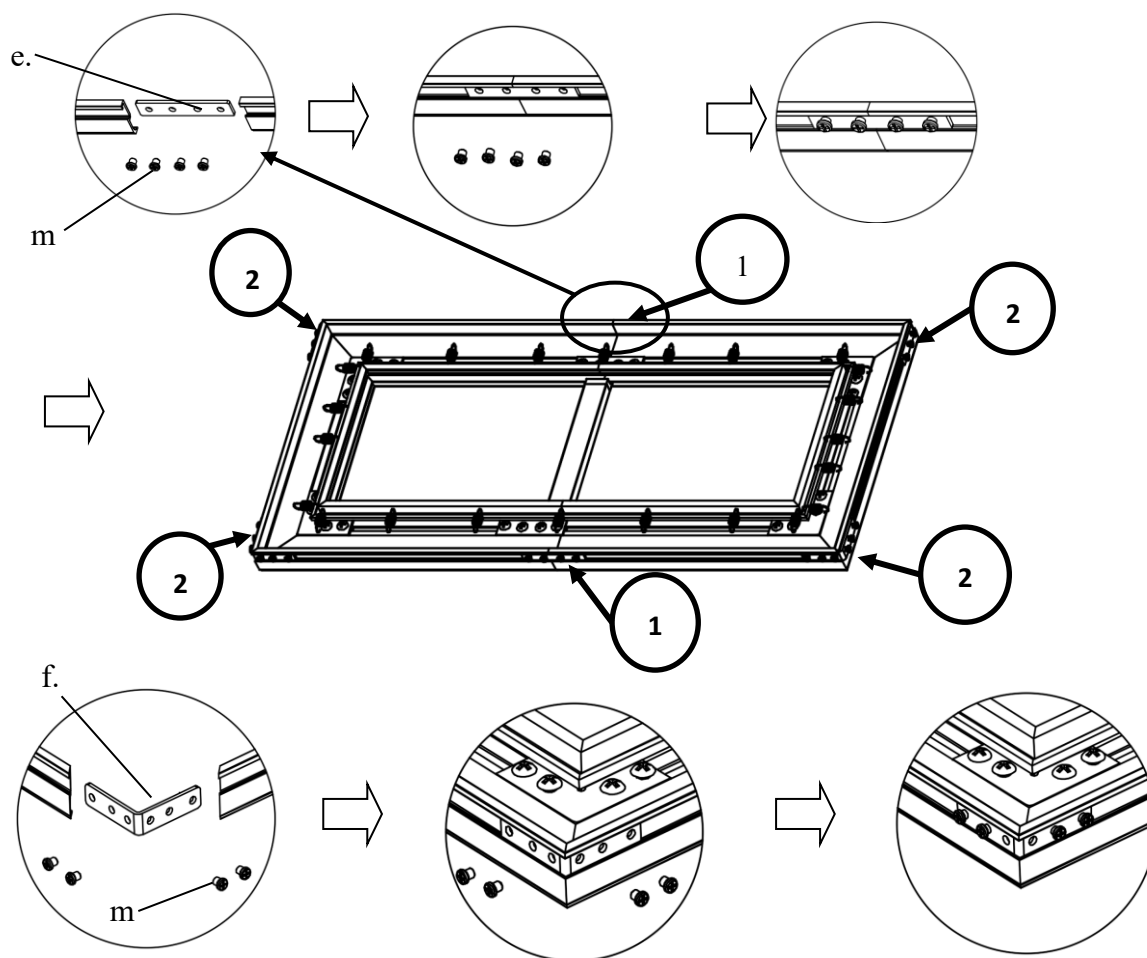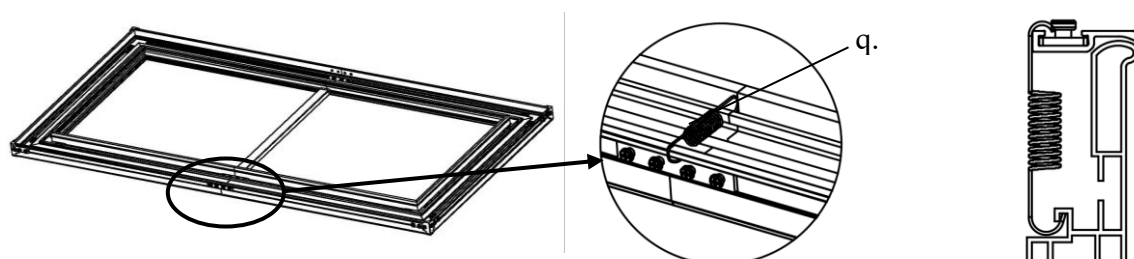

Step 12: Install the **angle cover** (**n**) on each corner of the frame using the **M4x4 screws (m)**.

Note: The angle cover screws holes align with the screw holes on the elbow joint.
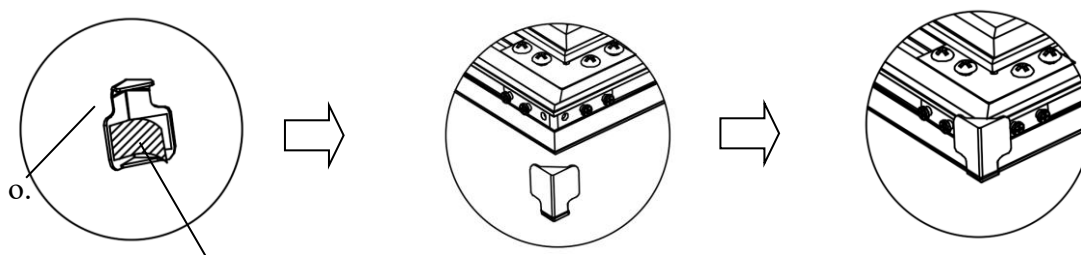
Tear off the double-sided tape.

**Step 13**: Install the **springs (q)** in each middle area to further support the bezel trim edge frame.

Wall Installation

Step 14: Measure the overall length and height of the frame and drill holes for the top brackets. Line up the wall brackets with the drilled holes on the installation location and screw them in using a Phillips screwdriver. If not installing into a structural wood stud, use a hollow wall anchor then screw in the M5x50 wood screws with a screwdriver. Make sure the brackets are leveled.
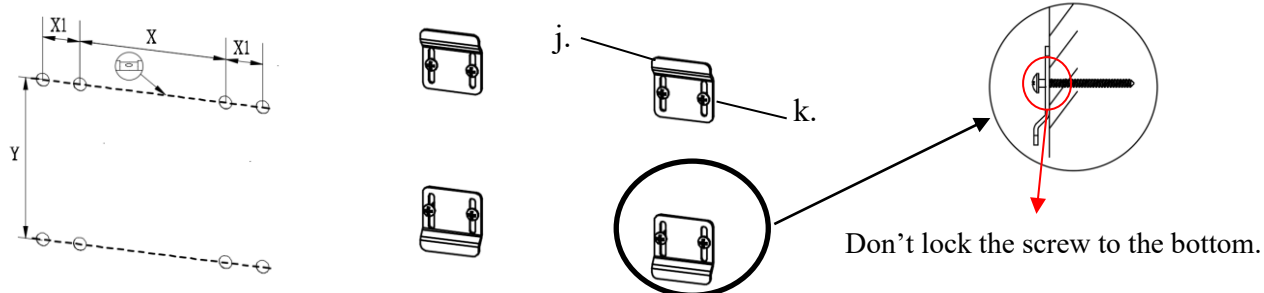
j.

k.

Don't lock the screw to the bottom.

Model/Size	X = Wall bracket distance	X1 = Bracket hole distance	Y = Top/Bottom Wall Bracket Height
AR92H	1100mm (43.3")	30mm (1.18")	980mm (38.58")
AR100H	1200mm (47.24")	30mm (1.18")	1080mm (42.52")
AR110H	1300mm (51.18")	30mm (1.18")	1210mm (47.64")
AR120H	1400mm (55.12")	30mm (1.18")	1330mm (52.36")
AR135H	1500mm (59.06")	30mm (1.18")	1520mm (59.84")
AR150H	1600mm (62.99")	30mm (1.18")	1710mm (67.32")
AR125C	1200mm (47.24")	30mm (1.18")	1080mm (42.52")
AR138C	1400mm (55.12")	30mm (1.18")	1210mm (47.64")

Diagonal Models above 150" require 6 x wall brackets
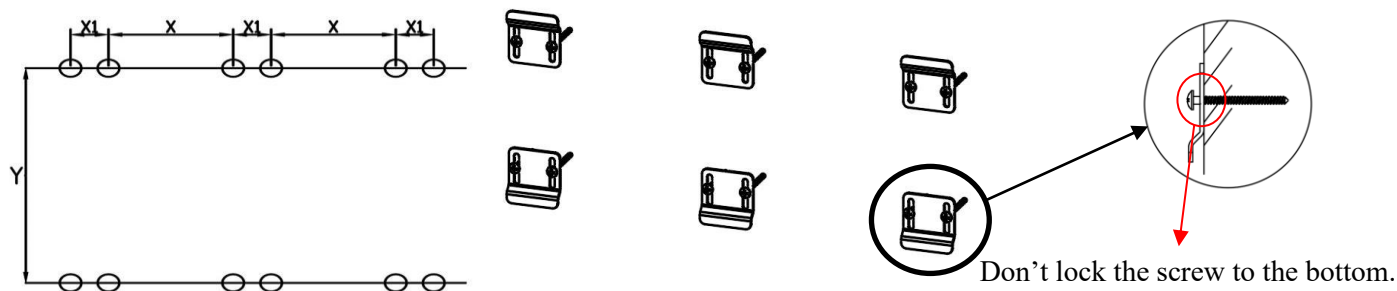
Don't lock the screw to the bottom.

Model/Size	X = Wall bracket distance	X1 = Bracket hole distance	Y = Top/Bottom Wall Bracket Height
AR158C	900mm (35.43'')	30mm (1.18")	1410mm (55.51'')
AR158H	900mm (35.43'')	30mm (1.18")	1810mm(71.26")

Step 15: Position the fixed frame screen onto the top wall brackets shown below and push down at the center of the top of the frame to secure.
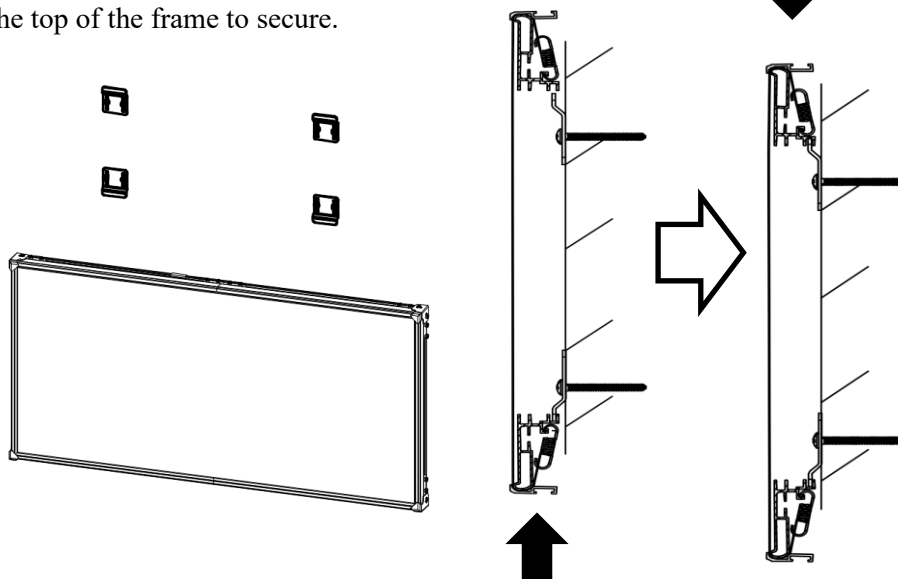
For Technical Support or an Elite Screens contact in your area, visit www.elitescreens.com