

SABLE FRAME 2 SERIES

Section 1: Screen Design

1.1 What is it for?

The **Sable Frame 2 Series** uses Elite's **CineWhite™** tensioned 1.1 gain material within a velveteen coated frame. A new design feature for the **CineWhite™** material is a rubber-edge border that makes installation a lot easier and a lot less time consuming. As an added bonus, a new installation kit with sliding wall brackets is included free of charge.

1.2 How does it work?

The **Sable Frame Series** is easy to assemble and installs in minutes. Its adjustable fix plates provide equal tension over the entire projection surface and sliding wall mounts ensure properly centered installation.

Section 2: Product Features

2.1 Characteristics

Screen Material

- Flat tensioned screen material
- Active 3D, 4K Ultra HD, and HDR Ready
- Standard black backed screen material eliminates light penetration
- Available in the following diagonal sizes:
 - 100" - 200" in 16:9 format
 - 114" in 16:10 format
 - 85" - 176" in 2.35:1 format

Design and Installation

- Home Theater fixed frame screen is designed for today's 720P, 1080P and 4K Home Cinema projectors
- Black velvet surfaced covered 2.36" aluminum frame enhances overall appearance and absorbs projector light overshoot
- Easy to assemble and install in minutes
- Adjustable fix plates provide equal tension over the entire projection surface
- Sliding wall mounts ensure the installation is properly centered

PRODUCT WHITE PAPER

<http://www.elitescreens.com>



Quality and Reliability

- 2-year Parts & Labor manufacturer's warranty
- 3-year warranty offered through ENR-G program (Education, Non-Profit, Religious and Government)

2.2 Model Numbers

Model Number	Diag. Size	Aspect Ratio	Viewing Height (in)	Viewing Width (in)	Screen Material	Gain	Case Color	N.W. (lbs)	G.W. (lbs)	Packaging Dimensions (LxWxH)
ER100WH1-A1080P2	100"	16:9	49.0	87.2	AcousticPro1080P2	1.0	Black	25.8	36.4	58.0"x12.6"x4.7"
ER85WH1W-A1080P2	85"	2.35:1	33.3	78.2	AcousticPro1080P2	1.0	Black	20.0	29.6	51.6"x13.0"x4.7"
ER96WH1W-A1080P2	96"	2.35:1	37.6	88.3	AcousticPro1080P2	1.0	Black	22.1	32.6	56.7"x12.6"x4.7"
ER103WH1W-A1080P2	103"	2.35:1	40.3	94.8	AcousticPro1080P2	1.0	Black	24.7	35.6	59.8"x12.6"x4.7"
ER115WH1W-A1080P2	115"	2.35:1	45.0	105.8	AcousticPro1080P2	1.0	Black	26.5	37.5	65.7"x12.6"x4.7"
ER158WH1W-A1080P2	158"	2.35:1	61.9	145.4	AcousticPro1080P2	1.0	Black	25.9	51.0	85.4"x12.6"x4.7"
ER166WH1W-A1080P2	166"	2.35:1	65.0	152.8	AcousticPro1080P2	1.0	Black	39.8	53.6	87.8"x12.6"x4.7"
ER85WH1W-A1080P3	85"	2.35:1	33.3	78.2	AcousticPro1080P3	1.0	Black	20.0	29.6	51.6"x13.0"x4.7"
ER103WH1W-A1080P3	103"	2.35:1	40.3	94.8	AcousticPro1080P3	1.0	Black	24.7	35.6	59.8"x12.6"x4.7"
ER100WH1-A1080P3	100"	16:9	49.0	87.2	AcousticPro1080P3	1.0	Black	25.8	36.4	58.0"x12.6"x4.7"
ER120WH1-A1080P3	120"	16:9	58.8	104.6	AcousticPro1080P3	1.0	Black	27.1	38.2	69.3"x12.4"x4.8"
ER96WH1W-A1080P3	96"	2.35:1	37.6	88.3	AcousticPro1080P3	1.0	Black	22.1	32.6	56.7"x12.6"x4.7"
ER115WH1W-A1080P3	115"	2.35:1	45.0	105.8	AcousticPro1080P3	1.0	Black	26.5	37.5	65.7"x12.6"x4.7"
ER125WH1W-A1080P3	125"	2.35:1	48.9	115.0	AcousticPro1080P3	1.0	Black	26.2	36.0	71.5"x12.6"x4.7"
ER138WH1W-A1080P3	138"	2.35:1	54.0	127.0	AcousticPro1080P3	1.0	Black	28.4	38.9	77.6"x12.6"x4.7"
ER85H1-Wide	85"	2.35:1	33.3	78.2	CineGrey	1.0	Black	20.0	29.6	86.0"x9.0"x4.0"
ER96H1-Wide	96"	2.35:1	37.6	88.3	CineGrey	1.0	Black	22.1	32.6	56.7"x12.6"x4.7"
ER103H1-Wide	103"	2.35:1	40.3	94.8	CineGrey	1.0	Black	27.0	35.6	102.4"x9.3"x4.1"
ER138H1-Wide	138"	2.35:1	54.0	127.0	CineGrey	1.0	Black	31.9	44.8	76.0"x12.6"x4.7"
ER100DHD3	100"	16:9	49.0	87.2	CineGrey 3D®	1.2	Black	23.3	32.6	61.4"x11.8"x6.7"
ER110DHD3	110"	16:9	53.9	95.9	CineGrey 3D®	1.2	Black	25.4	33.7	65.5"x13.4"x6.7"
ER120DHD3	120"	16:9	58.8	104.6	CineGrey 3D®	1.2	Black	27.0	36.0	69.7"x13.4"x6.7"
ER135DHD3	135"	16:9	66.1	117.7	CineGrey 3D®	1.2	Black	30.9	41.6	78.2"x15.2"x6.7"
ER150DHD3	150"	16:9	73.6	130.7	CineGrey 3D®	1.2	Black	34.2	45.4	85.6"x15.2"x6.5"
ER92WH1	92"	16:9	45.0	80.0	CineWhite™	1.1	Black	22.0	31.6	54.4"x12.6"x4.7"
ER120WH1	120"	16:9	58.8	104.6	CineWhite™	1.1	Black	28.5	40.1	67.8"x12.6"x4.7"
ER135WH1	135"	16:9	66.1	117.7	CineWhite™	1.1	Black	43.9	46.6	75.2"x13.0"x4.7"

ER150WH1	150"	16:9	73.6	130.7	CineWhite™	1.1	Black	44.3	54.6	75.2"x12.6"x4.7"
ER106WH1	106"	16:9	52.0	92.4	CineWhite™	1.1	Black	25.2	35.7	61.0"x12.6"x4.7"
ER180WH1	180"	16:9	88.2	156.9	CineWhite™	1.1	Black	48.1	59.5	97.1"x12.6"x4.7"
ER114WX1	114"	16:10	60.0	96.0	CineWhite™	1.1	Black	35.9	39.4	69.3"x13.0"x4.7"
ER109WX1	109"	16:10	57.8	92.0	CineWhite™	1.1	Black	35.2	36.9	75.6"x12.5"x4.6"
ER85WH1-Wide	85"	2.35:1	33.3	78.2	CineWhite™	1.1	Black	20.0	29.6	51.6"x12.6"x4.7"
ER96WH1-Wide	96"	2.35:1	37.6	88.3	CineWhite™	1.1	Black	22.1	32.6	56.7"x12.6"x4.7"
ER103WH1-WIDE	103"	2.35:1	40.3	94.8	CineWhite™	1.1	Black	24.7	35.3	59.8"x12.6"x4.7"
ER158WH1-Wide	158"	2.35:1	61.9	145.4	CineWhite™	1.1	Black	25.9	51.0	85.4"x12.6"x4.7"
ER166WH1-Wide	166"	2.35:1	65.0	152.8	CineWhite™	1.1	Black	42.5	57.0	93.4"x12.6"x4.7"
ER176WH1-Wide	176"	2.35:1	68.9	161.9	CineWhite™	1.1	Black	42.6	57.1	93.4"x12.6"x4.7"
ER100GH1	100"	16:9	49.0	87.2	PowerGain	1.8	Black	24.1	34.2	58.0"x12.6"x4.7"
ER180GH1	180"	16:9	88.2	156.9	PowerGain	1.8	Black	51.6	59.8	97.1"x12.6"x4.7"

Section 3: Screen Material Specifications

3.1 Characteristics

3.1.1 CineWhite™

CineWhite™ (Tension Matte White) has broad light dispersion through diffusion uniformity, black & white contrast and true color rendition making it the most versatile in Elite's tensions screen product lines. This tension PVC surface is the best choice for today's high-contrast ratio projectors in commercial or residential presentations.



The **CineWhite™** material equals the performance to our MaxWhite product, but improves the experience with the superior surface flatness. Uniform diffusion surface has black-backing to eliminate light penetration and is easily washable with mild soap and water.

Features & Benefits

- Multi-layer PVC (Polyvinyl chloride) with texture and surface coating
- Gain: 1.1
- View Angle: 180° (90° ±LR)
- Full Lambertian Diffuser- no half gain drop
- Produces exceptional picture quality for any presentation
- Mildew Resistant
- Active 3D and 4K Ultra HD ready
- Surface can be cleaned with (water) moist cotton cloth

Specifications	
Thickness	0.27 mm
Weight	350 g/m2
Maximum Height	3.2 M (10 ft)
On-axis Gain	1.1
Half-Gain Angle	Does not reach half gain

3.1.2 CineGrey

CineGrey (Tension High Contrast Grey) is designed for low contrast DLP and LCD Home Cinema Projectors. Its superior flatness makes the CineGrey ideal for home theater use. It enhances black levels while minimizing loss in color reproduction. Uniform diffusion surface has black-backing to eliminate light penetration and is easily washable with mild soap and water.



*Manufacturer's Tip: if your projector's contrast ratio is more than 2000:1, we recommend you use CineWhite™ material for a brighter picture.

Features & Benefits

- Multi-layer PVC with texture and surface coating
- Enhances color contrast and black levels
- Gain: 1.0
- View Angle: 160° (80° ±LR)
- Mildew Resistant
- Black backing
- Surface can be cleaned with (water) moist cotton cloth
- Active 3D and 4K Ultra HD ready

Specifications	
Thickness	0.30 mm
Weight	300 g/m2
Maximum Height	3.0 M (9.8 ft)
On-axis Gain	1.2
Half-Gain Angle	At 54°

3.1.3 CineGrey 3D®

The **CineGrey 3D®** is a reference quality front projection screen material 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 or any applications in which incident light is a factor. Typical matte white surfaces wash out the images when ambient light cannot be controlled. The **CineGrey 3D®** is the best choice for having a projected image with a balanced color



temperature and contrast under such conditions. It provides flat spectral response for an accurate color balance in dark room environments as well for reference quality applications. The **CineGrey 3D®** is ready for the next-generation of high-performance video.

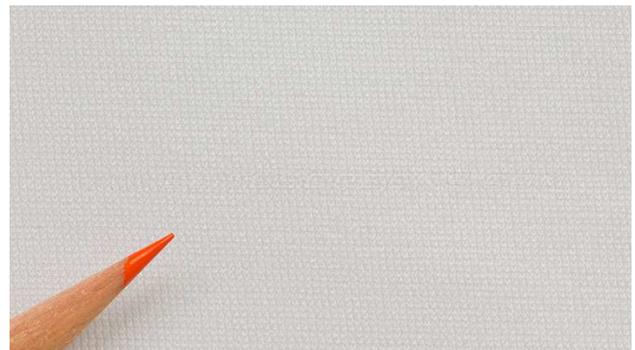
Features & Benefits

- Gain: 1.2
- Viewing Angle: 90° (45° L/R)
- Angular-Reflective front projection material with ambient light rejecting technology
- Contrast enhancement over standard matte white surface
- 4K Ultra HD and Active 3D Ready
- Polarized for Passive 3D applications
- Capable of improving brightness, color, and contrast under ambient light conditions
- Mildew resistant, screen surface can be cleaned with a microfiber cloth and water
- Accurate color representation – Flat Spectral Response
- Certified by the **Imaging Science Foundation (ISF)**

Specifications	
Thickness	0.30 mm
Weight	300 g/m ²
Maximum Height	3.0 M (9.8 ft)
On-axis Gain	1.2
Half-Gain Angle	At 44°

3.1.4 AcousticPro 1080P3

The **AcousticPro1080P3** is an acoustically transparent front projection material. The angular weave eliminates the moire effect while presenting warm neutral colors for today's high definition 1080P (1920x1080) projectors. The **AcousticPro1080P3** allows speaker placement behind while allowing an exceptional acoustically transparent performance.



Features & Benefits

- Acoustically Transparent Matte White (angular tight weave)
- Gain: 1.0
- Superb off-axis luminance
- Mean attenuation of -3.09 dB

- Compatible with 4K and Active 3D Projectors
- Detachable black backing eliminates backlighting artifacts from light bleed-through (only available on Sable Frame and ezFrame Series products)
- Designed for 1080P (1920x1080) projector resolutions

Specifications	
Thickness	0.40 mm
Weight	500 g/m ²
Maximum Height	2.5 M (8.2 ft)
On-axis Gain	1.0
Half-Gain Angle	Does not reach half gain

3.1.5 PowerGain

The **PowerGain** is perfect for environments where total ambient light control cannot be attained. This is an angular reflective material that provides crisp color reproduction, black & white contrast and resists hot spotting in the presence of ambient light. The textured pearlescent material has black-backing to avoid light penetration and can be safely cleaned with mild soap and water. *Manufacturer’s tip: Use a high resolution-low output DLP projector for the best results with this material.



Features & Benefits

- Multi-layer PVC (Polyvinyl chloride) with texture and surface coating
- Gain: 1.8
- View Angle: 120° (60° ±LR)
- Mildew Resistant
- Black backing
- Active 3D and 4K Ultra HD ready
- Surface can be cleaned with (water) moist cotton cloth

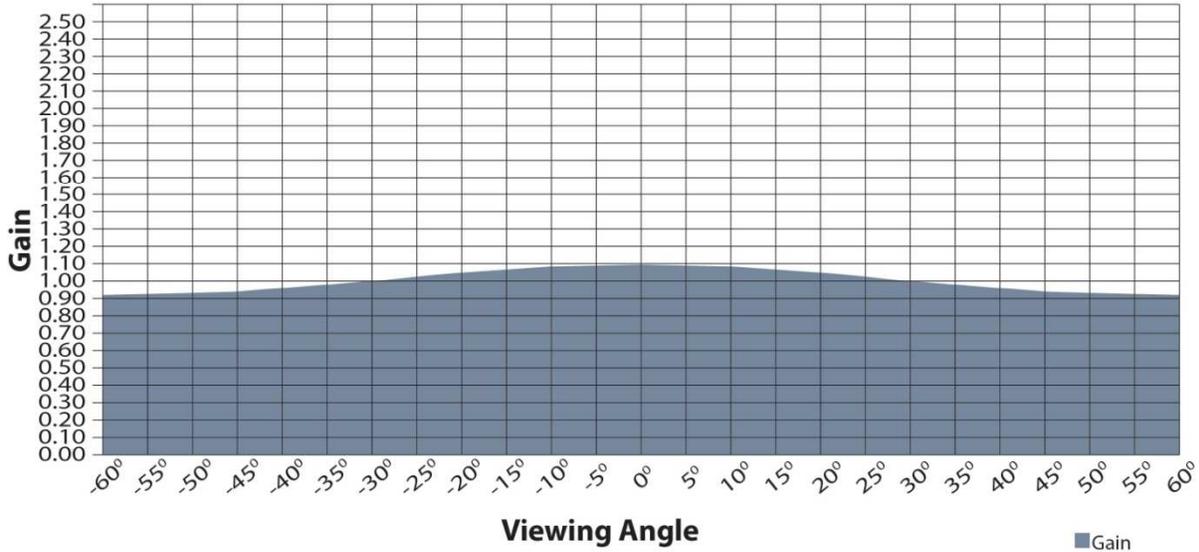
Specifications	
Thickness	0.36 mm
Weight	350 g/m ²
Maximum Height	3.2 M (10 ft)
On-axis Gain	1.0
Half-Gain Angle	At 40°

3.2 Gain and Viewing Angle Chart

3.2.1 CineWhite™



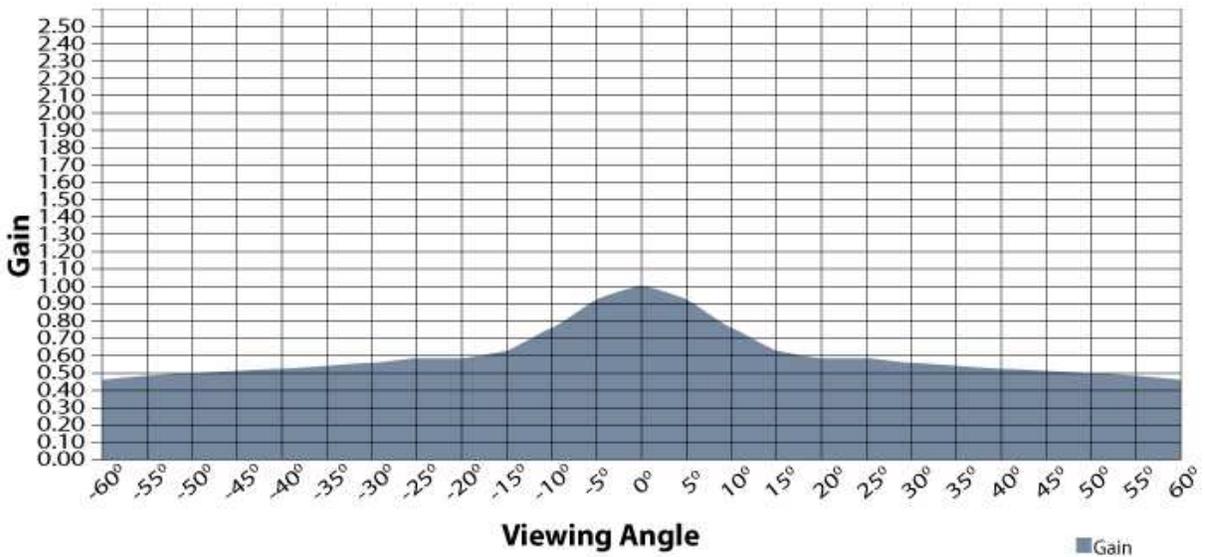
On axis 0° Gain: 1.1
Viewing Cone: 180°



3.2.2 CineGrey



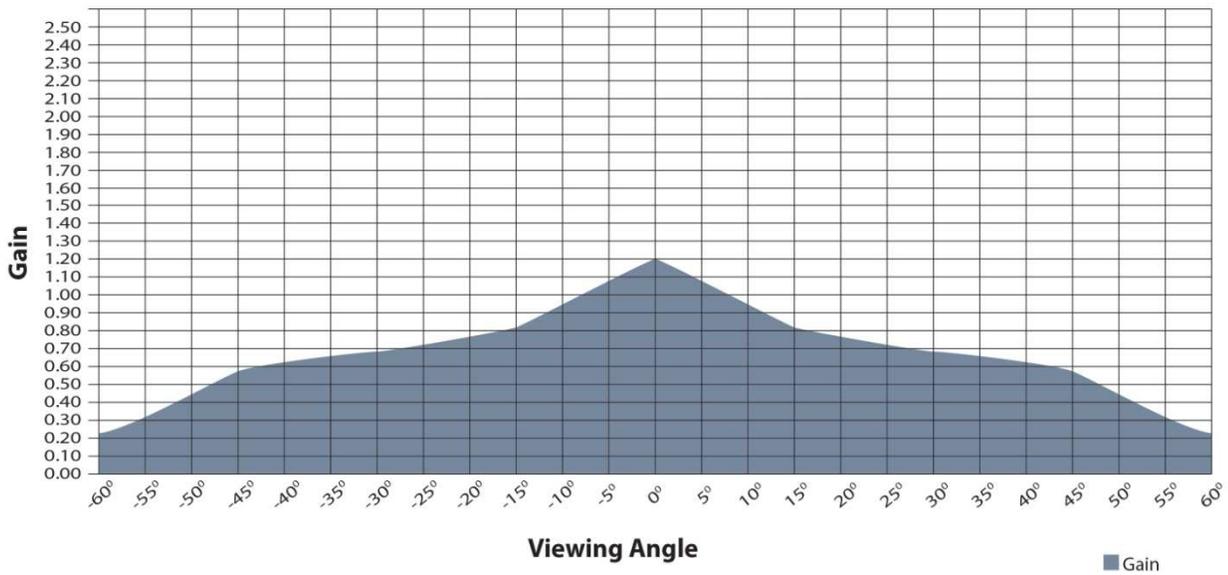
On axis 0° Gain: 1.0
Viewing Cone: 160°



3.2.3 CineGrey 3D®



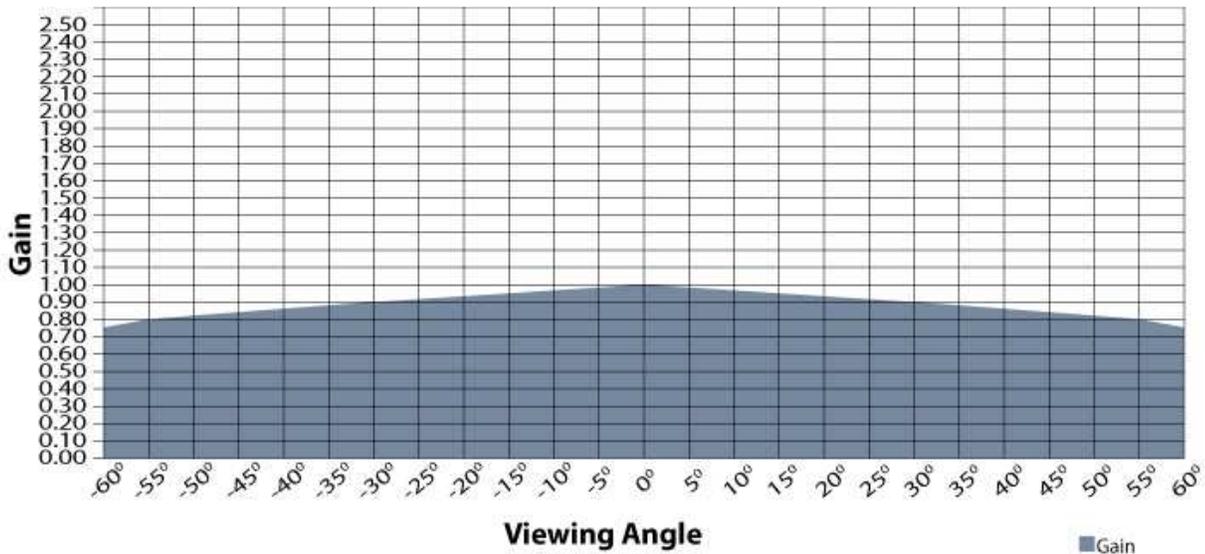
On axis 0° Gain: 1.2
Viewing Cone: 45°



3.2.3 AcousticPro 1080P3



On axis 0° Gain: 1.0
Viewing Cone: 180°



Section 4: Execution

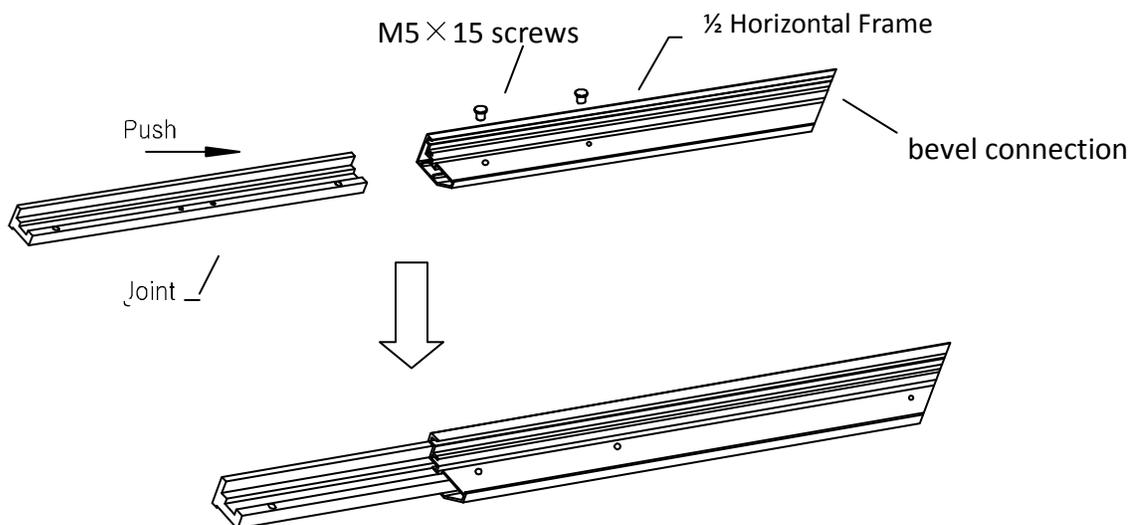
4.1 Hardware and Parts List

- | | |
|------------------------|---|
| 1. Frame Parts | x 6 pcs (4 top/bottom horizontal frame pcs + 2 side vertical frame pcs) |
| 2. Tension Rods | x 6 pcs (4 top/bottom rods + 2 side rods) |
| 3. Screen Material | x 1 pc |
| 4. Center joints | x 2 pcs |
| 5. Elbow Joints | x4pcs |
| 6. Wall brackets | x2 – 3 pcs (depending on model/size) |
| 7. M5x50 wood screws | x 6 pcs |
| 8. Hollow wall anchor | x 6 pcs |
| 9. M5x15 screws | x 16 pcs |
| 10. Center Support Bar | x 1 – 2 pcs (depending on model/size) |
| 11. Support joiner | x 2 – 4 pcs (depending on model/size) |
| 12. Fix Plates | x 60 – 180 pcs (depending on model/size) |

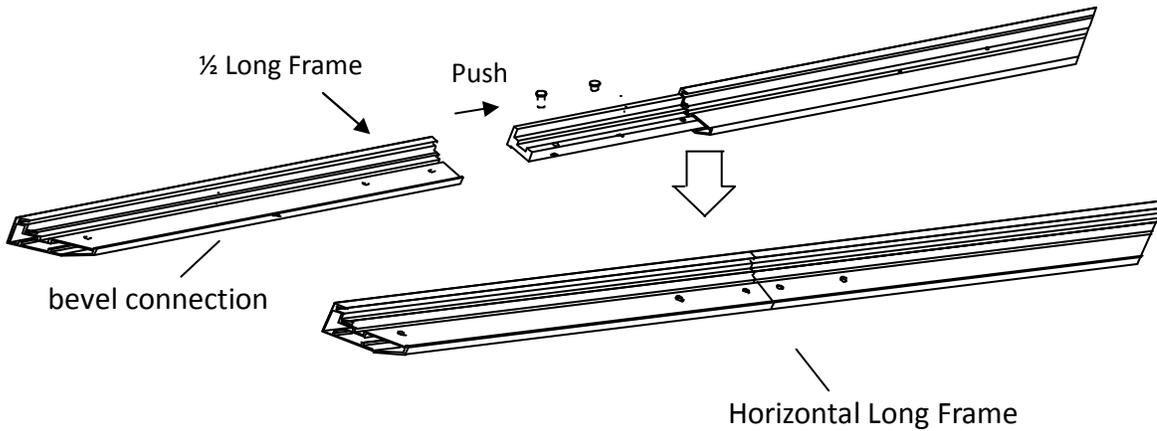
Note: Please make sure all parts are included in your package before proceeding to assemble your Elite Screens fixed frame projection screen.

4.2 Frame Assembly

1. Insert the **center joint** connector into to one of the 1/2 horizontal frames and fasten it with two **M5x15 screws**.



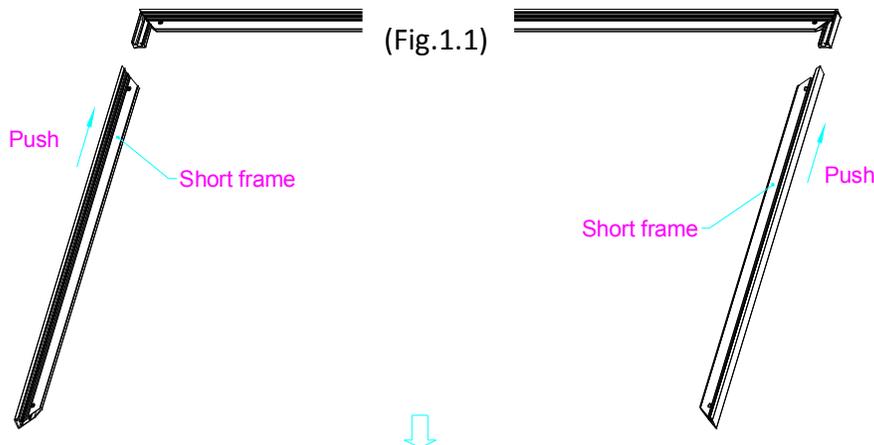
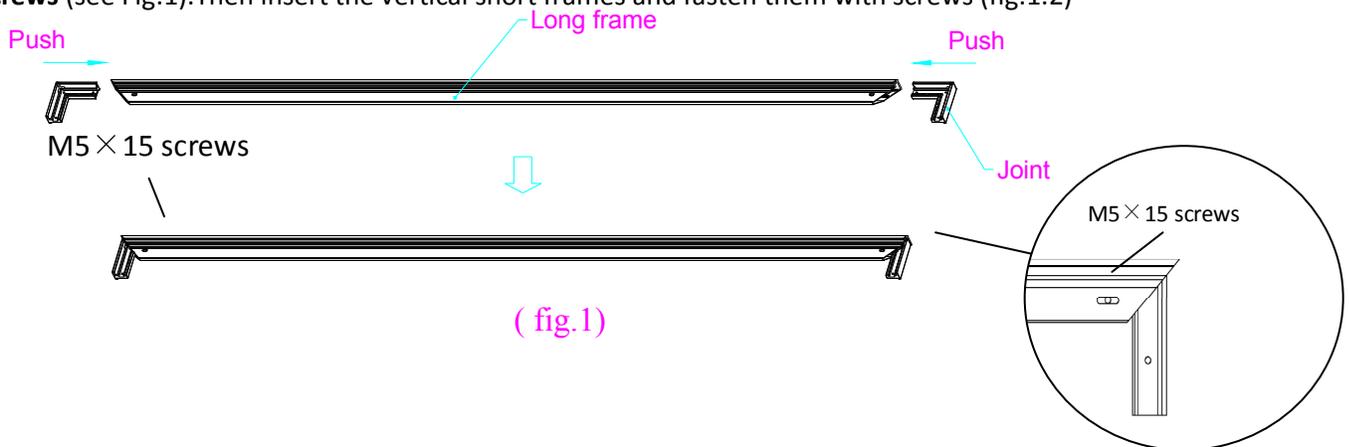
2. Insert the other 1/2 horizontal frame piece to the **center joint** connector and fasten it with two **M5x15 screws**. Repeat steps 1 and 2 for assembling the second horizontal frame.

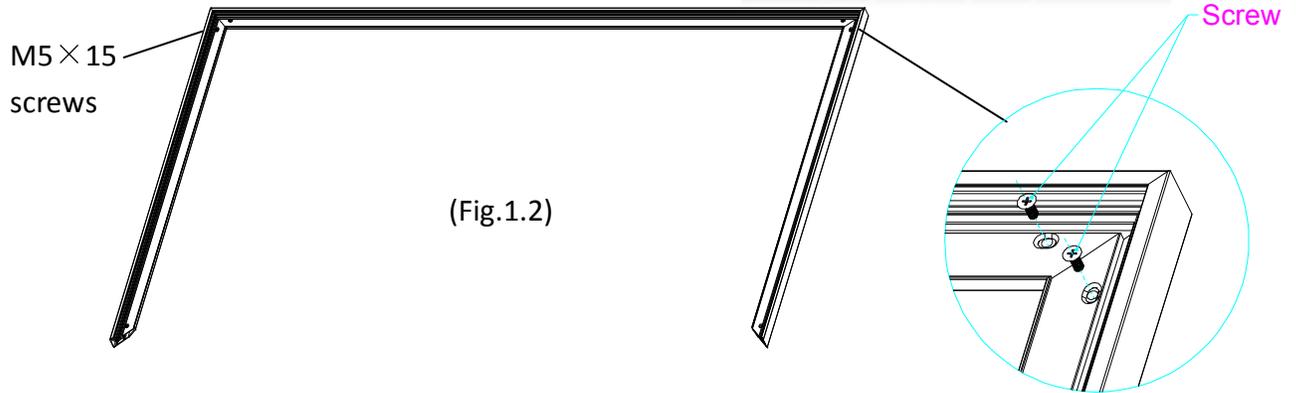


Note: a. 2 long frames should be assembled for a screen.

b. Do not tighten the screws completely until all frame pieces have been assembled correctly.

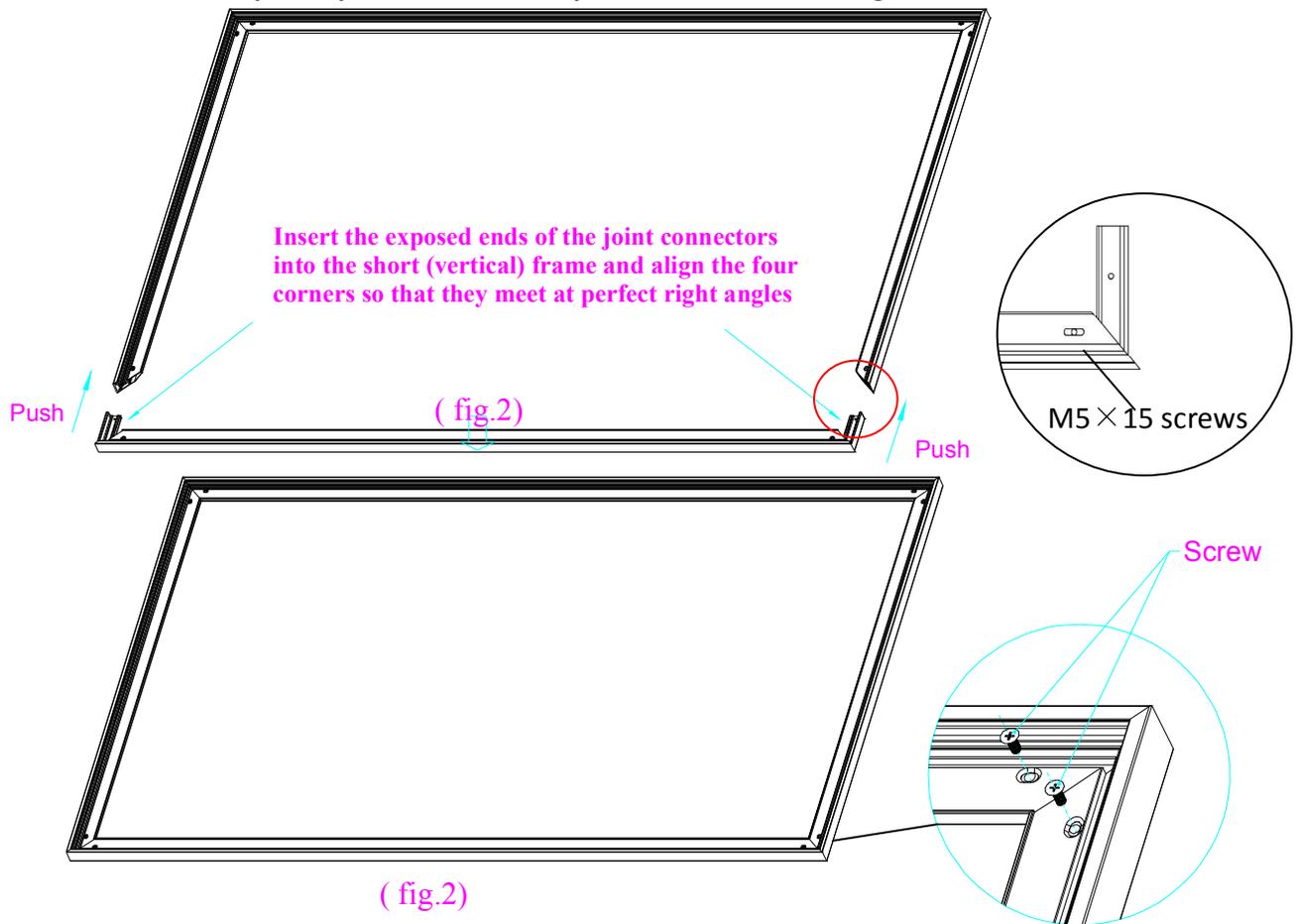
3. Insert both **elbow joint** connectors into the long horizontal frame and then fasten it with two **M5x15 screws** (see Fig.1). Then insert the vertical short frames and fasten them with screws (fig.1.2)





4. Join all four frame parts together following the steps shown below. **(Fig.2)**

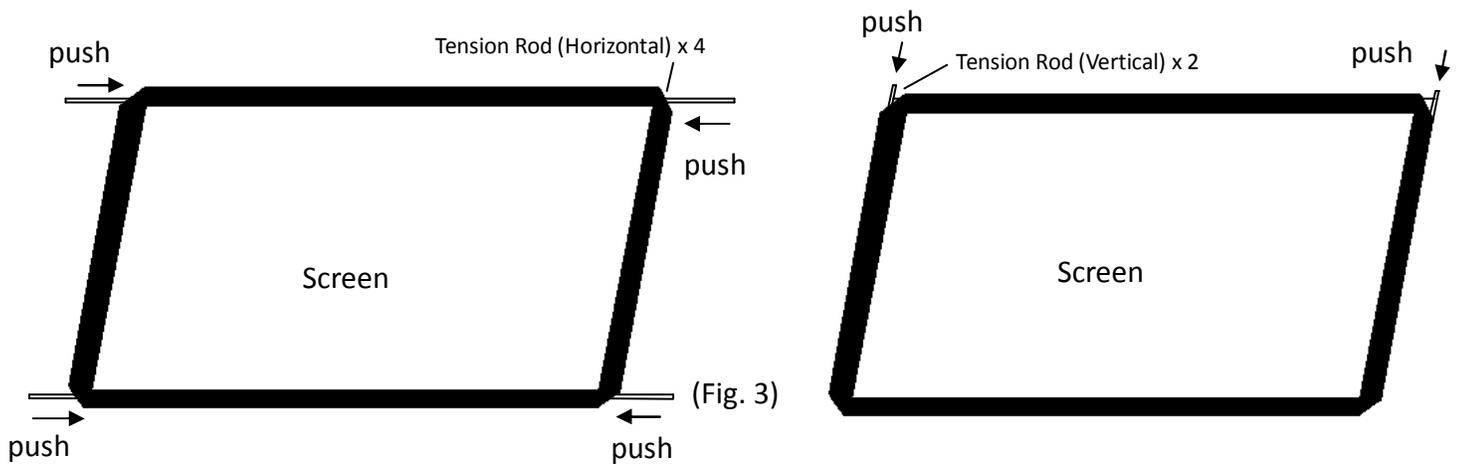
Note: When assembled, please push simultaneously the two ends of the long frames.



4.3 Attaching the screen material to the frame

1. Unroll the screen material and lay it down on a clean surface. Then insert the tension rods separately into the edges of all four corners of the material **(see fig.3)**





2. Make sure that the material and frame are both lying face down on a clean, dry, and non-abrasive surface.

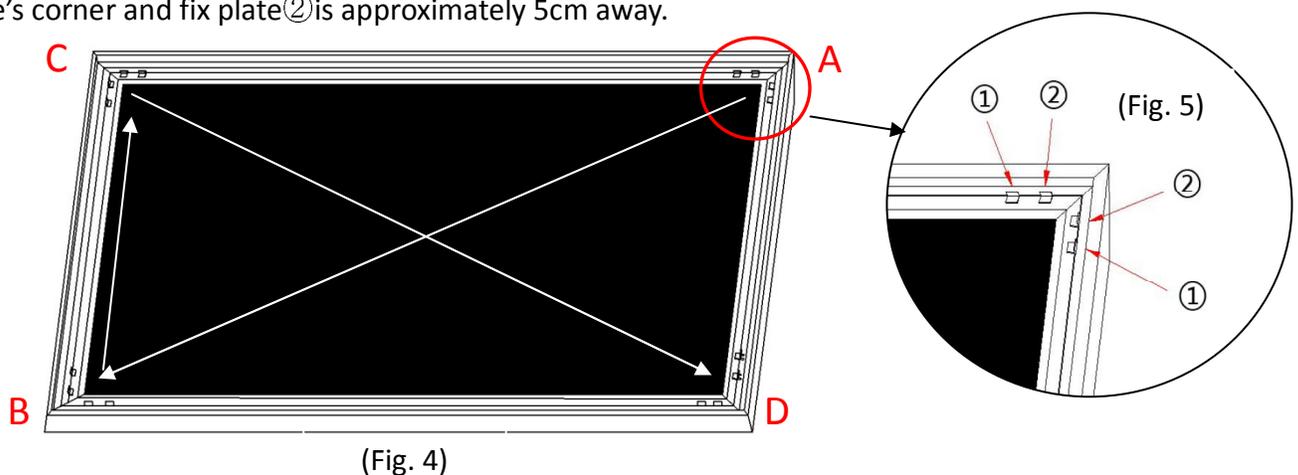
3. Center the material inside the frame.

Please note the material will be noticeably smaller than the frame, as the material must be stretched to create a sufficient amount of tension for perfect material flatness.

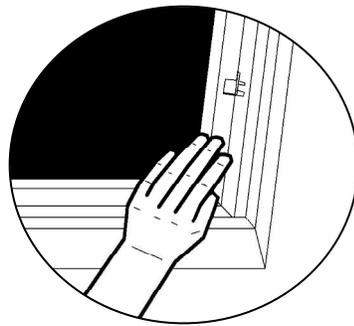
4. Attach the fix plates

(1) Begin by securing the four corners in the following order **A**→**B**→**C**→**D** (Fig.4)

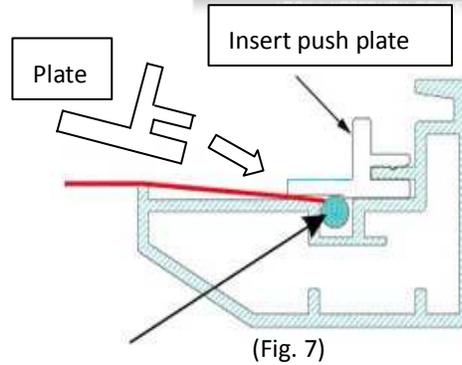
(2) Insert the fix plates as shown on Fig. 5. Fix plate ① is approximately 10cm away from the frame's corner and fix plate ② is approximately 5cm away.



(3) Stretch the material to the corner and insert the screen material's edge into the groove of the frame. While one hand holds the material in place, the other hand snaps in the push plate (Fig.6-Fig.7).



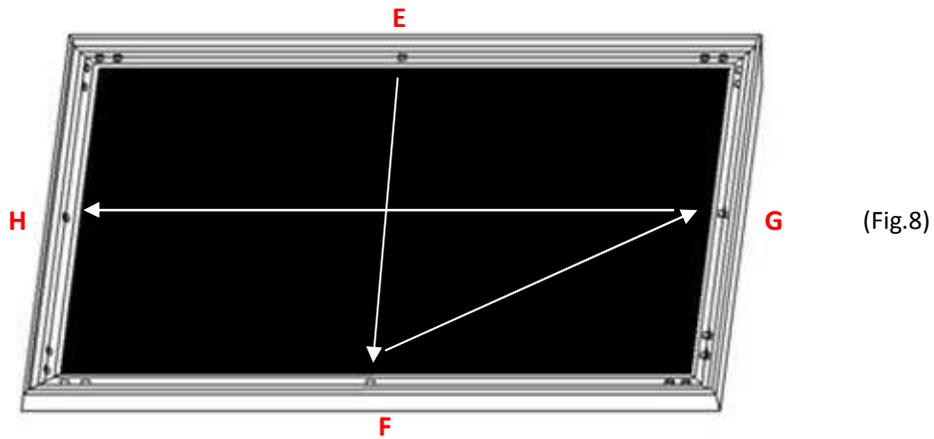
(Fig. 6)



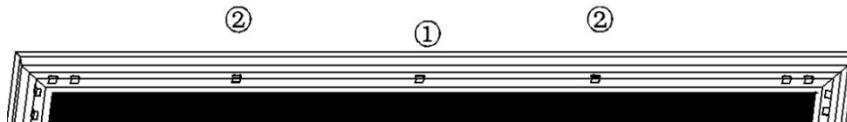
(Fig. 7)

Schematic Cross section of the Frame

(4) Place a fix plate in the center of each side in the following order E→F→G→H. (Fig.8)

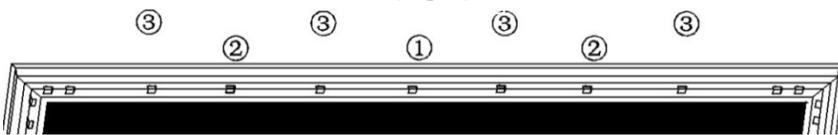


(Fig.8)



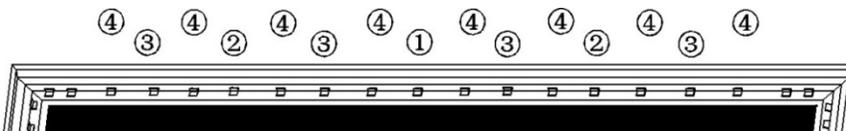
(Fig.9)

(6) Then put the next set of fix plates (3) between (1) and (2) and the corner. (Fig.10)



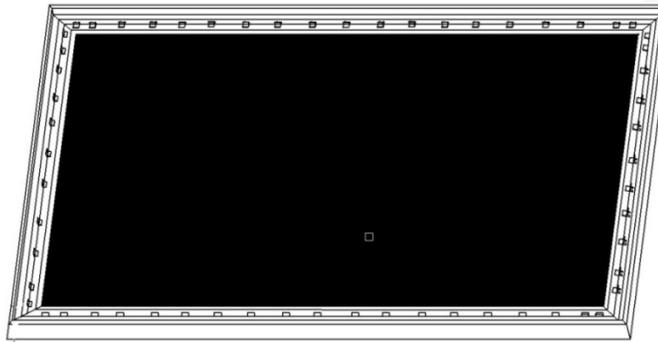
(Fig.10)

(7) Lastly, put the next set of fix plates (4) as shown in Fig.11



(Fig.11)

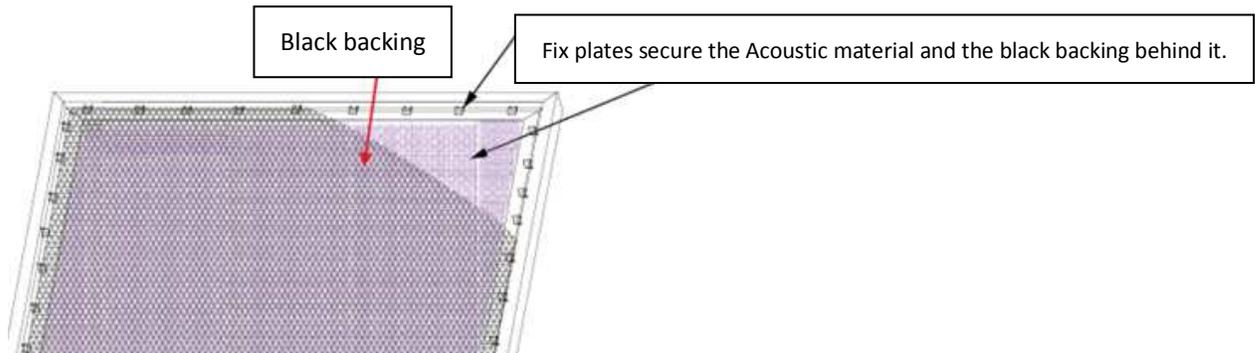
(8) Repeat steps 5-7 to for the rest of the sides to complete attaching the screen material (Fig.12)



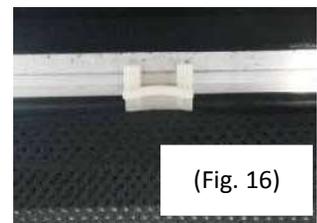
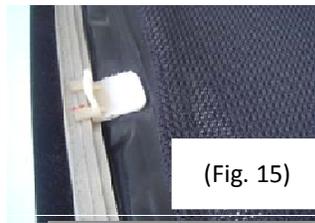
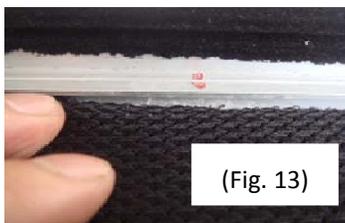
(Fig.12)

4.4 Black backing for AcousticPro models

This procedure only applies to AcousticPro models. Disregard this section if your Fixed Frame does not include an acoustically transparent screen material. The purpose of the black backing material is to block out any light penetration that may reflect off of anything mounted behind the screen, which can cause distortion to the projected image. **The black backing is held in place by the Velcro that is on the fix plates.**

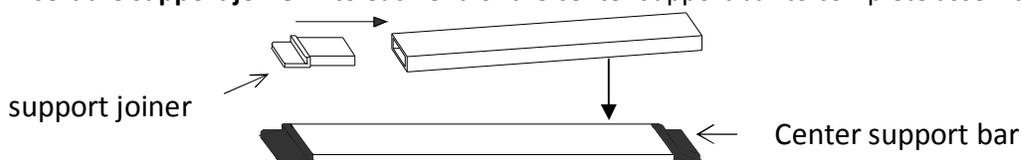


Interval markings reveal the best points for inserting the fix plates (Fig. 13). The prongs on the fix plates insert to the lip on the back of the frame creating a friction hold that will firmly keep the material and black backing in place (Fig. 14-15). After the material has been installed, the backing will lie over the back of the white (Acoustic) material and then be held in place by the Velcro on the fix plates (Fig 16).



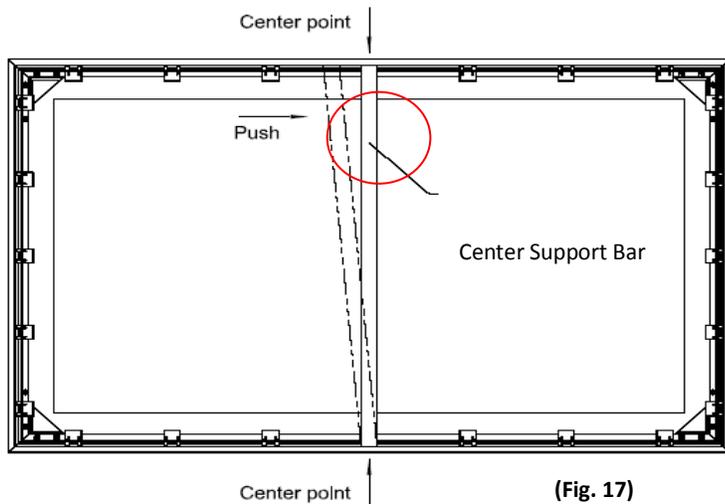
4.5 Center Support Bar

1. Insert the **support joiner** into each end of the center support bar to complete assembly.

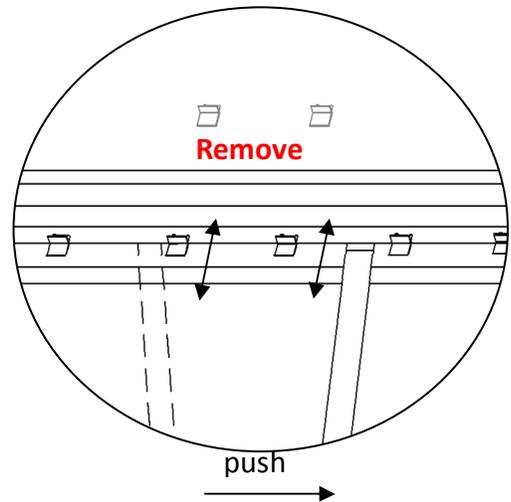


2. Insert the **Center Support Bar** into the upper top groove on the back of the frame (**not the one where the fix plate inserts**) with the bottom end near the approximate center point of the frame and rotate it in at an angle so that both ends of the bar are in alignment with the groove (**see Fig. 17 and Fig. 18 below for details**).

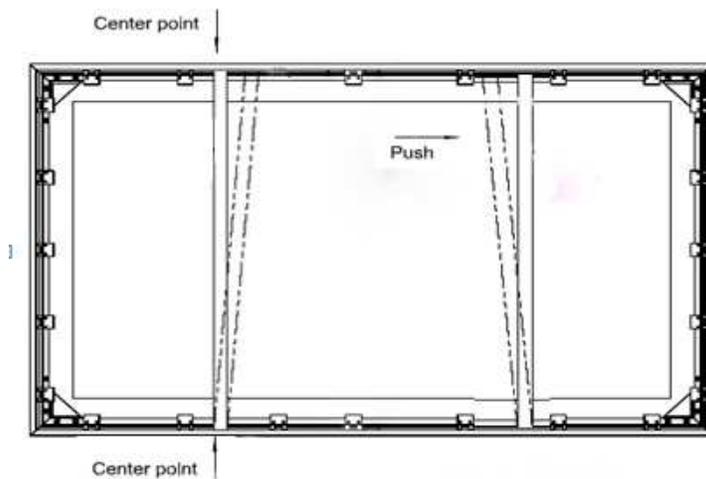
Diagonal models 135" and below use 1x Center Support Bar



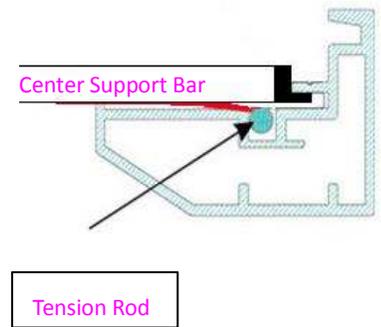
(Fig. 17)



Diagonal models above 135" require 2 x Center Support Bars



(Fig. 18)



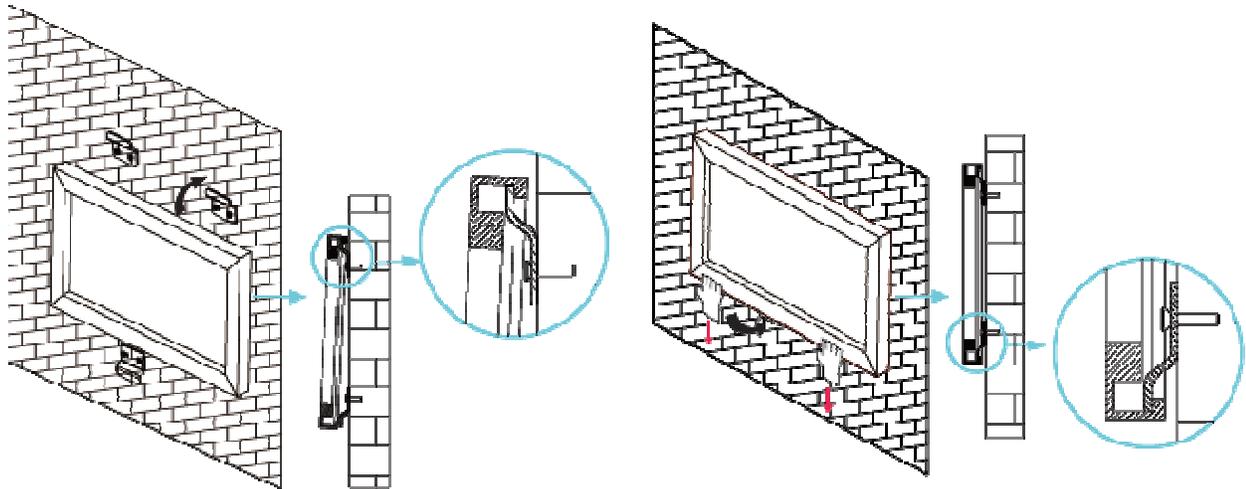
3. Slide the top end of the bar into the top center point of the frame to complete the center support bar installation. **This will provide added stability to your frame and added tension to the material.**

4.6 Installation

1. Locate your desired installation location with a stud finder (recommended) and mark the drill-hole area of where the screen is to be installed.

2. Drill a hole with the proper bit size according to the wood screws included.
3. Line up the wall brackets with the drilled holes on the installation location and screw them in using a Phillips screwdriver.
4. Position the fixed frame screen onto the top wall brackets as shown in **(Fig. 19)** and push down at the center of the bottom frame to secure the installation.
5. The design of the wall brackets allows the frame to slide over them through its sides. This is an important feature of the installation design as it allows your screen to be properly centered.
6. Using both hands finish the installation by pushing the lower portion of the fixed frame screen into the lower bracket as shown in **Fig 20**.

Note: Use 2 top wall brackets on diagonal sizes below 135", and use 3 top wall brackets on diagonal sizes 135" and above.



CAUTION:

Please follow these instructions carefully to ensure proper maintenance and safety of your Fixed Frame Screen

1. When hanging the screen up, please make sure that no other objects such as power switches, outlets, furniture, ladders, windows, etc. occupy the space designated for your Fixed-Frame screen.
2. Regardless if the screen is hung on or installed into the wall, make sure that the proper mounting anchors are used and that the weight is supported appropriately by a strong and structurally sound surface just as any large and heavy picture frame should. *(Please consult a home improvement specialist for the best advice on installation)*
3. Frame parts are made of high quality velour-surfaced aluminum and should be handled with care.
4. When not in use, cover over the screen with a furniture sheet to protect it from dirt, grime, paint or any other impurities.
5. When cleaning, use a damp soft cloth with warm water to remove any marks on the frame or screen surface.
6. Never attempt to use any solutions, chemicals or abrasive cleaners on the screen surface.



7. In order to avoid damaging the screen, avoid touching it directly with your fingers, tools or any other sharp or abrasive objects.

8. Spare Parts should be placed out of reach of small children in accordance with household safety guidelines.

Section 5: Product Specifications

5.1 Dimensions

Model Number	Diag. Size	Aspect Ratio	Overall Width (A1)	Viewing Width (A)	Overall Height (B1)	Viewing Height (B)	Frame Width (C)	Frame Depth (D)	(D1)
Unit: Inches									
ER100WH1-A1080P2	100"	16:9	91.9	87.2	53.7	49.0	2.4	1.6	51.6
ER85WH1W-A1080P2	85"	2.35:1	82.9	78.2	38.0	33.3	2.4	1.6	35.8
ER96WH1W-A1080P2	96"	2.35:1	93.1	88.3	42.3	37.6	2.4	1.6	40.2
ER103WH1W-A1080P2	103"	2.35:1	99.5	94.8	45.0	40.3	2.4	1.6	42.9
ER115WH1W-A1080P2	115"	2.35:1	110.6	105.8	49.8	45.0	2.4	1.6	47.6
ER158WH1W-A1080P2	158"	2.35:1	150.1	145.4	66.6	61.9	2.4	1.6	64.4
ER166WH1W-A1080P2	166"	2.35:1	157.5	152.8	69.7	65.0	2.4	1.6	67.6
ER85WH1W-A1080P3	85"	2.35:1	82.9	78.2	38.0	33.3	2.4	1.6	35.8
ER103WH1W-A1080P3	103"	2.35:1	99.5	94.8	45.0	40.3	2.4	1.6	42.9
ER100WH1-A1080P3	100"	16:9	91.9	87.2	53.7	49.0	2.4	1.6	51.6
ER120WH1-A1080P3	120"	16:9	109.3	104.6	63.5	58.8	2.4	1.6	61.4
ER96WH1W-A1080P3	96"	2.35:1	93.1	88.3	42.3	37.6	2.4	1.6	40.2
ER115WH1W-A1080P3	115"	2.35:1	110.6	105.8	49.8	45.0	2.4	1.6	47.6
ER125WH1W-A1080P3	125"	2.35:1	119.7	115.0	53.7	48.9	2.4	1.6	51.5
ER138WH1W-A1080P3	138"	2.35:1	131.7	127.0	58.7	54.0	2.4	1.6	56.6
ER85H1-Wide	85"	2.35:1	82.9	78.2	38.0	33.3	2.4	1.6	35.8
ER96H1-Wide	96"	2.35:1	93.1	88.3	42.3	37.6	2.4	1.6	40.2
ER103H1-Wide	103"	2.35:1	99.5	94.8	45.0	40.3	2.4	1.6	42.9
ER138H1-Wide	138"	2.35:1	131.7	127.0	58.7	54.0	2.4	1.6	56.6

PRODUCT WHITE PAPER

<http://www.elitescreens.com>



Model Number	Diag. Size	Aspect Ratio	Overall Width (A1)	Viewing Width (A)	Overall Height (B1)	Viewing Height (B)	Frame Width (C)	Frame Depth (D)	(D1)
ER100DHD3	100"	16:9	91.9	87.2	53.7	49.0	2.4	1.6	51.6
ER110DHD3	110"	16:9	100.6	95.9	58.7	53.9	2.4	1.6	56.5
ER120DHD3	120"	16:9	109.3	104.6	63.5	58.8	2.4	1.6	61.4
ER135DHD3	135"	16:9	122.4	117.7	70.9	66.1	2.4	1.6	68.7
ER150DHD3	150"	16:9	135.4	130.7	78.3	73.6	2.4	1.6	76.2
ER92WH1	92"	16:9	85.3	80.0	50.3	45.0	2.4	1.6	47.6
ER120WH1	120"	16:9	109.3	104.6	63.5	58.8	2.4	1.6	61.4
ER135WH1	135"	16:9	122.4	117.7	70.9	66.1	2.4	1.6	68.7
ER150WH1	150"	16:9	135.4	130.7	78.3	73.6	2.4	1.6	76.2
ER106WH1	106"	16:9	97.1	92.4	56.7	52.0	2.4	1.6	54.5
ER180WH1	180"	16:9	161.6	156.9	92.9	88.2	2.4	1.6	90.7
ER114WX1	114"	16:10	100.7	96.0	64.7	60.0	2.4	1.6	63.0
ER109WX1	109"	16:10	96.7	92.0	62.5	57.8	2.4	1.6	61.8
ER85WH1-Wide	85"	2.35:1	82.9	78.2	38.0	33.3	2.4	1.6	35.8
ER96WH1-Wide	96"	2.35:1	93.1	88.3	42.3	37.6	2.4	1.6	40.2
ER103WH1-WIDE	103"	2.35:1	99.5	94.8	45.0	40.3	2.4	1.6	42.9
ER158WH1-Wide	158"	2.35:1	150.1	145.4	66.6	61.9	2.4	1.6	64.4
ER166WH1-Wide	166"	2.35:1	157.5	152.8	69.7	65.0	2.4	1.6	67.6
ER176WH1-Wide	176"	2.35:1	166.7	161.9	73.6	68.9	2.4	1.6	71.5
ER100GH1	100"	16:9	91.9	87.2	53.7	49.0	2.4	1.6	51.6
ER180GH1	180"	16:9	161.6	156.9	92.9	88.2	2.4	1.6	90.7
Unit: mm									
ER100WH1-A1080P2	100"	16:9	2334	2215	1364	1245	61	41	1311
ER85WH1W-A1080P2	85"	2.35:1	2106	1986	965	846	61	41	910
ER96WH1W-A1080P2	96"	2.35:1	2365	2243	1074	955	61	41	1020
ER103WH1W-A1080P2	103"	2.35:1	2527	2408	1143	1024	61	41	1089
ER115WH1W-A1080P2	115"	2.35:1	2809	2687	1265	1143	61	41	1209

PRODUCT WHITE PAPER

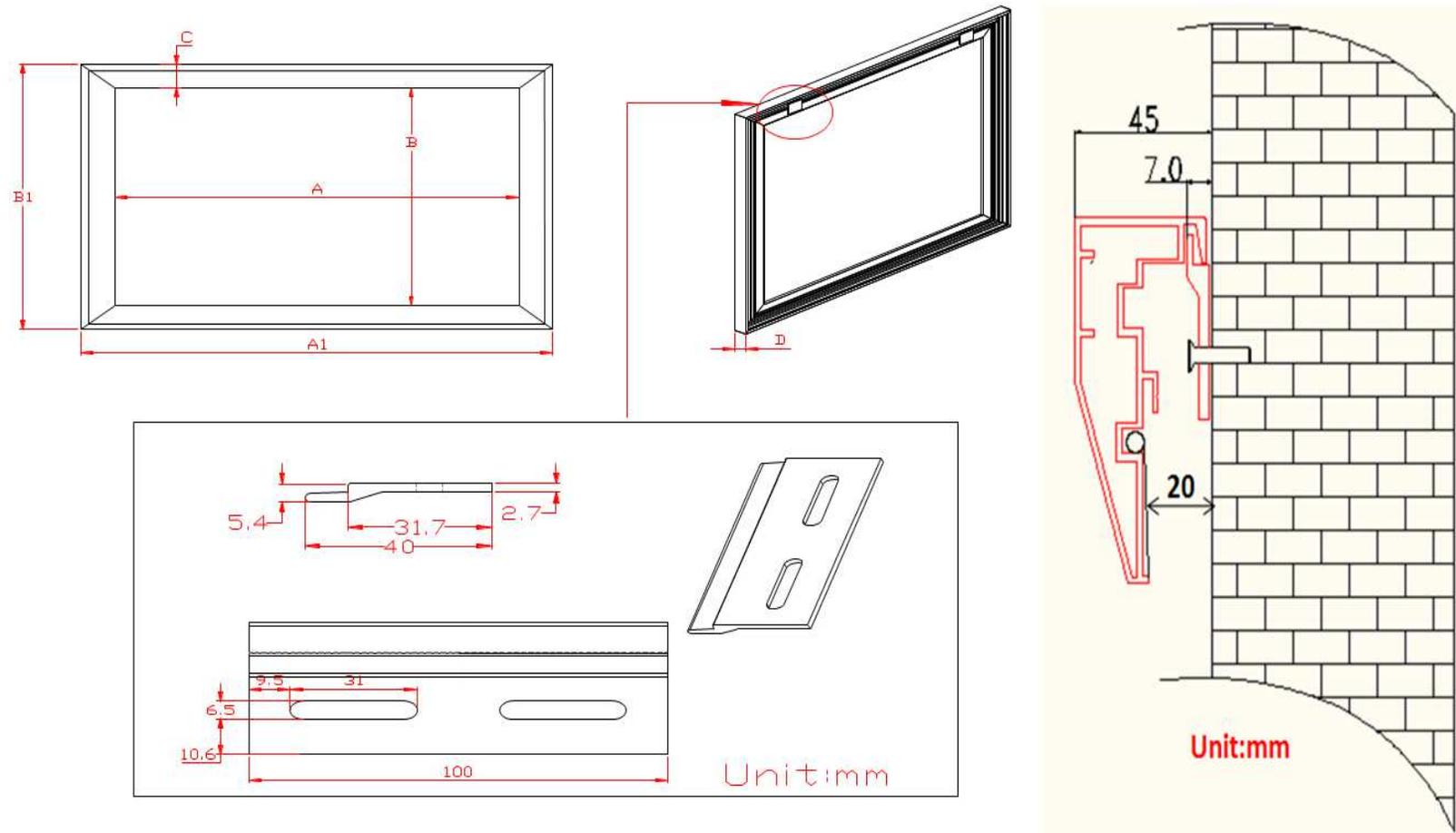
<http://www.elitescreens.com>



Model Number	Diag. Size	Aspect Ratio	Overall Width (A1)	Viewing Width (A)	Overall Height (B1)	Viewing Height (B)	Frame Width (C)	Frame Depth (D)	(D1)
ER158WH1W-A1080P2	158"	2.35:1	3813	3693	1692	1572	61	41	1636
ER166WH1W-A1080P2	166"	2.35:1	4001	3881	1770	1651	61	41	1716
ER85WH1W-A1080P3	85"	2.35:1	2106	1986	965	846	61	41	910
ER103WH1W-A1080P3	103"	2.35:1	2527	2408	1143	1024	61	41	1089
ER100WH1-A1080P3	100"	16:9	2334	2215	1364	1245	61	41	1310
ER120WH1-A1080P3	120"	16:9	2776	2657	1613	1494	61	41	1559
ER96WH1W-A1080P3	96"	2.35:1	2365	2243	1074	955	61	41	1020
ER115WH1W-A1080P3	115"	2.35:1	2809	2687	1265	1143	61	41	1209
ER125WH1W-A1080P3	125"	2.35:1	3040	2921	1364	1242	61	41	1308
ER138WH1W-A1080P3	138"	2.35:1	3345	3226	1491	1372	61	41	1437
ER85H1-Wide	85"	2.35:1	2106	1986	965	846	61	41	910
ER96H1-Wide	96"	2.35:1	2365	2243	1074	955	61	41	1020
ER103H1-Wide	103"	2.35:1	2527	2408	1143	1024	61	41	1089
ER138H1-Wide	138"	2.35:1	3345	3226	1491	1372	61	41	1437
ER100DHD3	100"	16:9	2334	2215	1364	1245	61	41	1311
ER110DHD3	110"	16:9	2555	2436	1491	1369	61	41	1435
ER120DHD3	120"	16:9	2776	2657	1613	1494	61	41	1560
ER135DHD3	135"	16:9	3109	2990	1801	1679	61	41	1745
ER150DHD3	150"	16:9	3439	3320	1989	1869	61	41	1935
ER92WH1	92"	16:9	2167	2032	1278	1143	61	41	1209
ER120WH1	120"	16:9	2776	2657	1613	1494	61	41	1559
ER135WH1	135"	16:9	3109	2990	1801	1679	61	41	1745
ER150WH1	150"	16:9	3439	3320	1989	1869	61	41	1935
ER106WH1	106"	16:9	2466	2347	1440	1321	61	41	1385
ER180WH1	180"	16:9	4105	3985	2360	2240	61	41	2305
ER114WX1	114"	16:10	2558	2438	1643	1524	61	41	1600
ER109WX1	109"	16:10	2456	2337	1588	1468	61	41	1570

Model Number	Diag. Size	Aspect Ratio	Overall Width (A1)	Viewing Width (A)	Overall Height (B1)	Viewing Height (B)	Frame Width (C)	Frame Depth (D)	(D1)
ER85WH1-Wide	85"	2.35:1	2106	1986	965	846	61	41	910
ER96WH1-Wide	96"	2.35:1	2365	2243	1074	955	61	41	1020
ER103WH1-WIDE	103"	2.35:1	2527	2408	1143	1024	61	41	1089
ER158WH1-Wide	158"	2.35:1	3813	3693	1692	1572	61	41	1636
ER166WH1-Wide	166"	2.35:1	4001	3881	1770	1651	61	41	1716
ER176WH1-Wide	176"	2.35:1	4234	4112	1869	1750	61	41	1815
ER100GH1	100"	16:9	2334	2215	1364	1245	61	41	1311
ER180GH1	180"	16:9	4105	3985	2360	2240	61	41	2305

5.2 Drawings



5.3 Pictures

Frame Detail



Front View





Section 6: About Elite Screens

6.1 Company Description

Elite Screens Inc. is a California based company that specializes in making quality commercial and home-theater projection screens for the retail and custom install sales channels. Our company began as an innovative venture into the projection market by manufacturing veterans from the AV/IT industry. Elite Screens quickly established itself as an entry level commercial and home theater screen manufacturer. This was accomplished by making a quality product cost effective with a focus on mass-producing screen material, sizes and aspect ratios that were most commonly preferred by AV customers in general. We focused on uniformity with what would match the mainstream demographic while including extra features that are not usually included by other manufacturers. In time, we progressed from just retail sales into the realm of custom installer/integrator manufacture as our numerous reviews and awards will attest. We stand behind our product and are so certain of customer satisfaction with the quality of our product that we offer a 2-year manufacturer's warranty which is twice the industry standard. In our continued devotion to excellence in products and service, we are committed to implementing green practices with our production. We have adopted manufacturing methods that promote conservative regulation of our energy needs. Our simple product designs combined with the expertise of our permanent staff ensures that our entire line of products are made by experienced hands devoted to the high standards of today's audio-video consumer.

###