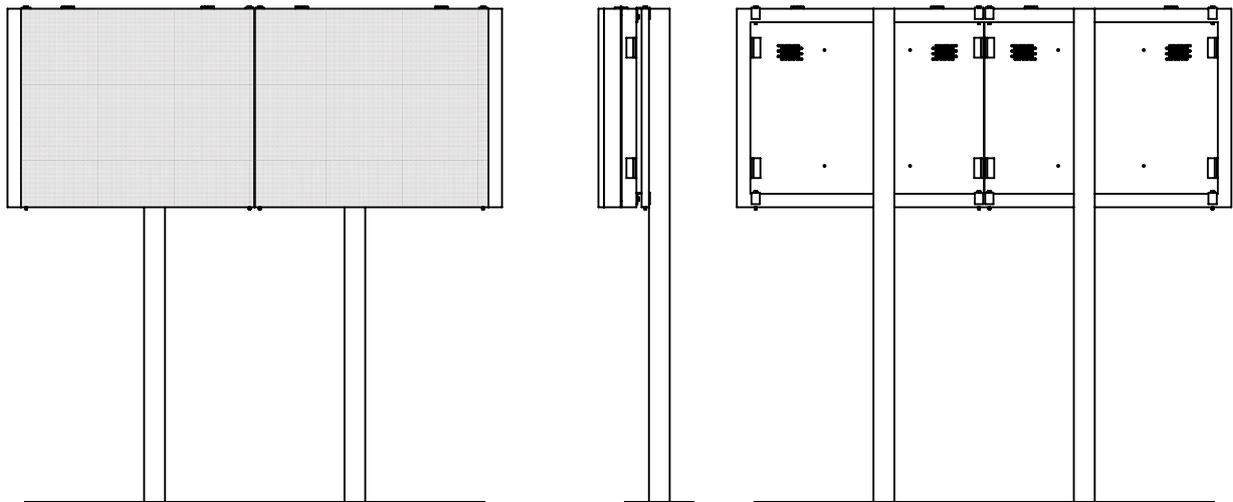


ONE WORLD LED

LED DESIGN, MANUFACTURE & WHOLESALE

One World LED Reseller Installation Guide

Double Pole Support Installation Demonstration



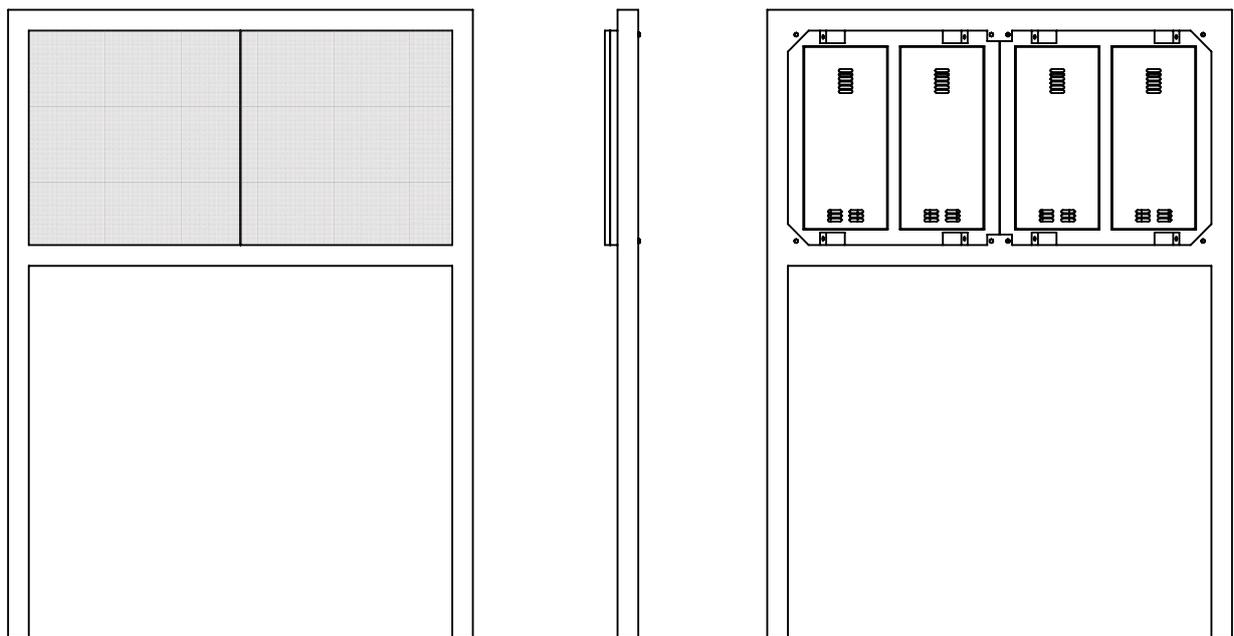
This Double Pole support solution is suitable for front serviceable screens. These are used when rear access is not feasible (e.g. near a wall or property boundary etc). This solution is also suitable if the sign is going to be double sided as it allows LED cabinets to be mounted from both sides.

This solution consists of two poles that support a frame that the LED cabinets are mounted to. The cabinets are mounted to the supporting frame using brackets that are fastened with either M10 or M12 size bolts. It is important to note that the vents located on the back of the LED cabinets should never be obstructed by the supporting structure.

The explosion view below shows the components required for the installation of the cabinets to the support frame. This is just one example of how this can be achieved.



Double Pole Support Installation Demonstration



This Double Pole support solution is suitable for rear serviceable screens. These are used when access to the rear is not constrained. Rear access screens are NOT typically used for double sided solutions.

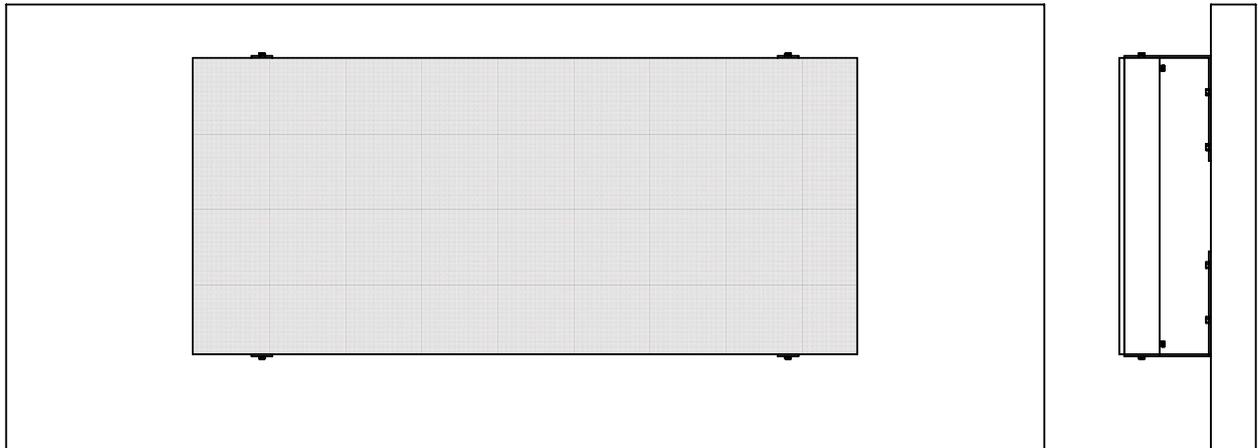
The structures that supports the rear access cabinets are simplistic in comparison to the structure required for front access LED cabinets. Less parts are required for installation which reduces the overall steps required.

This solution consists of two poles that support a frame that the LED cabinets are mounted to. The cabinets are mounted directly to the supporting frame with either M10 or M12 size bolts. It is important to note that the vents located on the back of the LED cabinets should never be obstructed by the supporting structure.

The explosion view below shows the components required for the installation of the cabinets to the support frame. This is just one example of how this can be achieved.



Wall Mounted



This Wall Mounted solution is suitable for front serviceable screens only (See Inlaid Screen for rear serviceable options). Wall mounting allows you to turn any existing wall into a full colour display.

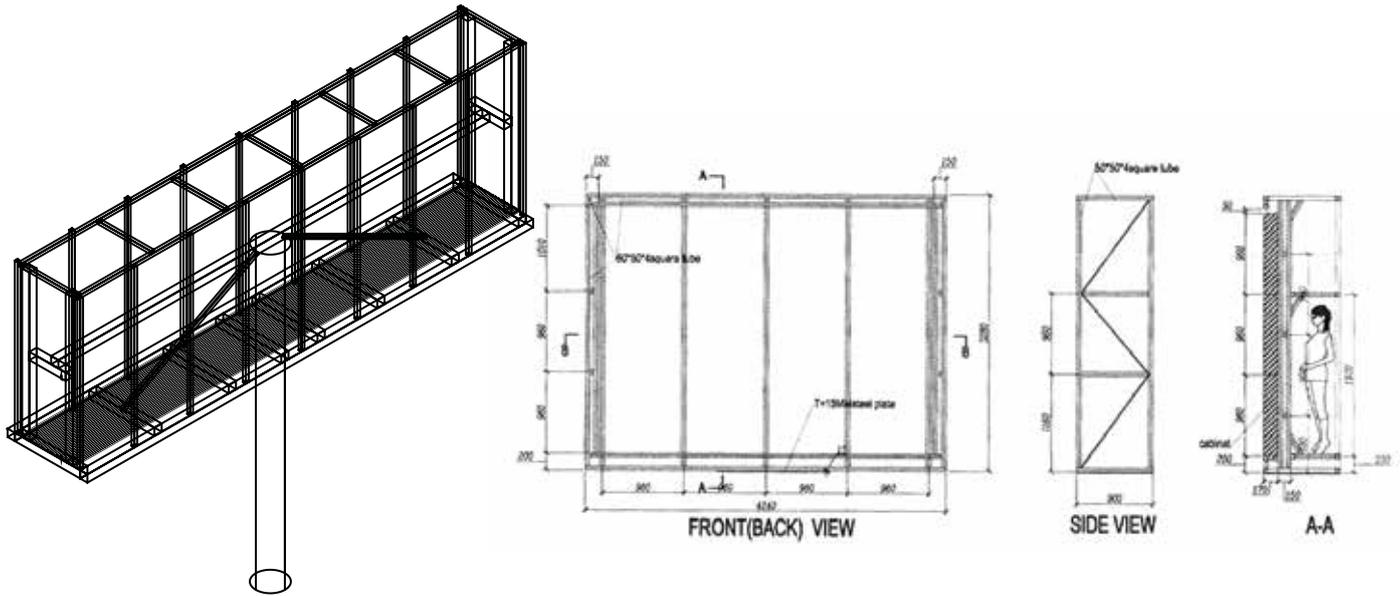
It is required for the screen to be slightly offset from the wall. This is to allow unobstructed air flow so that the screen does not over heat which may lead to damage.

Typically, this solution requires four mounting brackets, one in each corner of the screen. There are variables that may create a need for more brackets such as screen size and wall type.

The explosion view below shows the components required for the installation of the cabinets to the wall. This is the most common example of how this can be achieved.



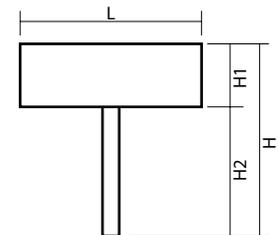
Single Pole Support Type



Our single pole solution is designed to replace traditional outdoor poster and vinyl billboards. Standard sizes for billboard structures already exist that include key measurements such as (see below):

- Length of the billboard display (L)
- Maximum height of the billboard (H)
- Height of the display (H1)
- Height from the ground to the base of the display (H2)

Standard	LH	1H	2H		Ø	A
ST6-2	6m	2m	4.5m	6.5m	0.6m	12m ²
ST12-4	12m	4m	≤8m	≤12m	0.8m	48m ²
ST15-5	15m	5m	≤8m	≤13m	1.0m	75m ²



Typical Canvas/Vinyl Billboard Data Sheet

The same data sheets are followed for LED billboard design specifications. However there are further design considerations such as support for additional LED cabinets (weight), electrical cabling and distribution of power to LED cabinets rather than flood lights at the top or base of the screens.

Hanging Sign



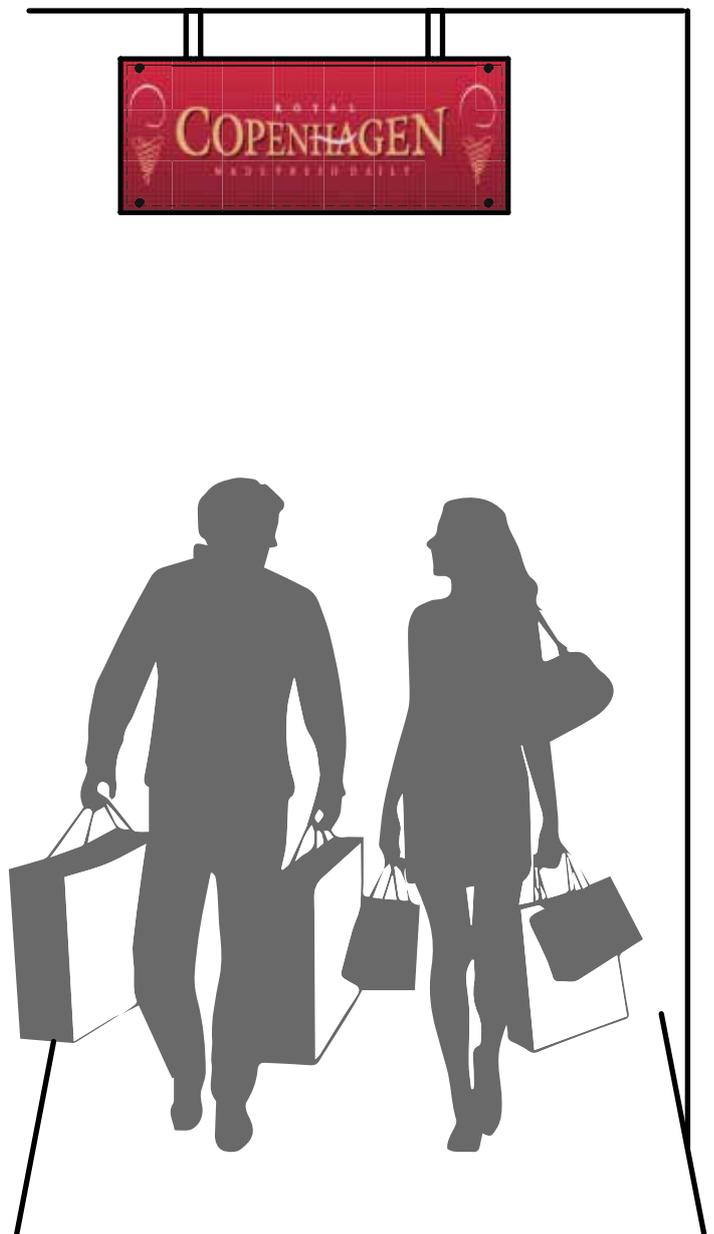
Our hanging sign is typically used as an outdoor sign for shopping precincts. The signs can also be used indoors, for example, to advertise specials.

These signs come as both single and double sided and are usually front serviceable.

Our hanging signs come in several different sizes, the most common is 800mm wide x 300mm high (pictured above).

It is important to have a gap between the sign and the ceiling. This is purely for airflow so that the sign does not overheat.

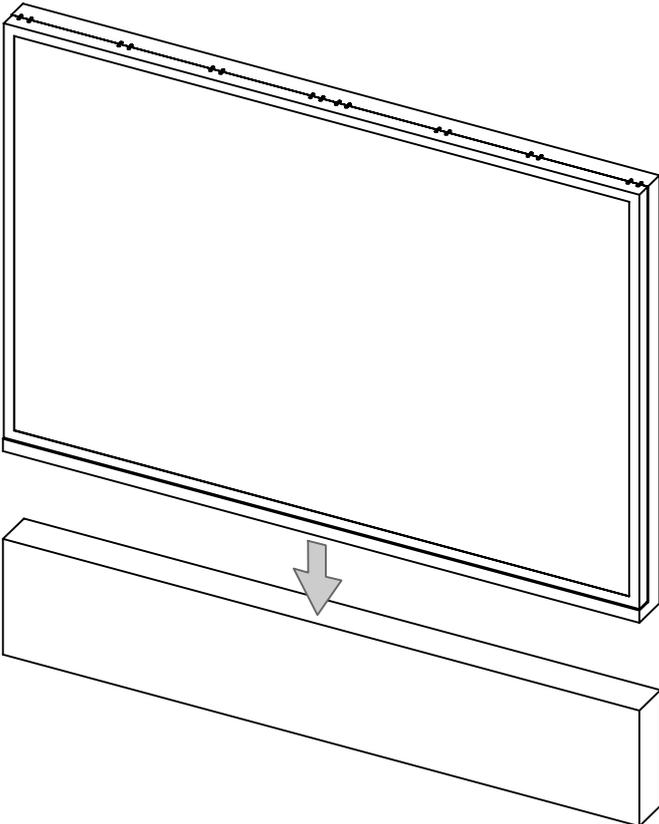
Our signs are not strictly limited to hanging. All our signs have mounting points on the rear, therefore you may mount these signs against a wall using a recommended wall mounting solution.



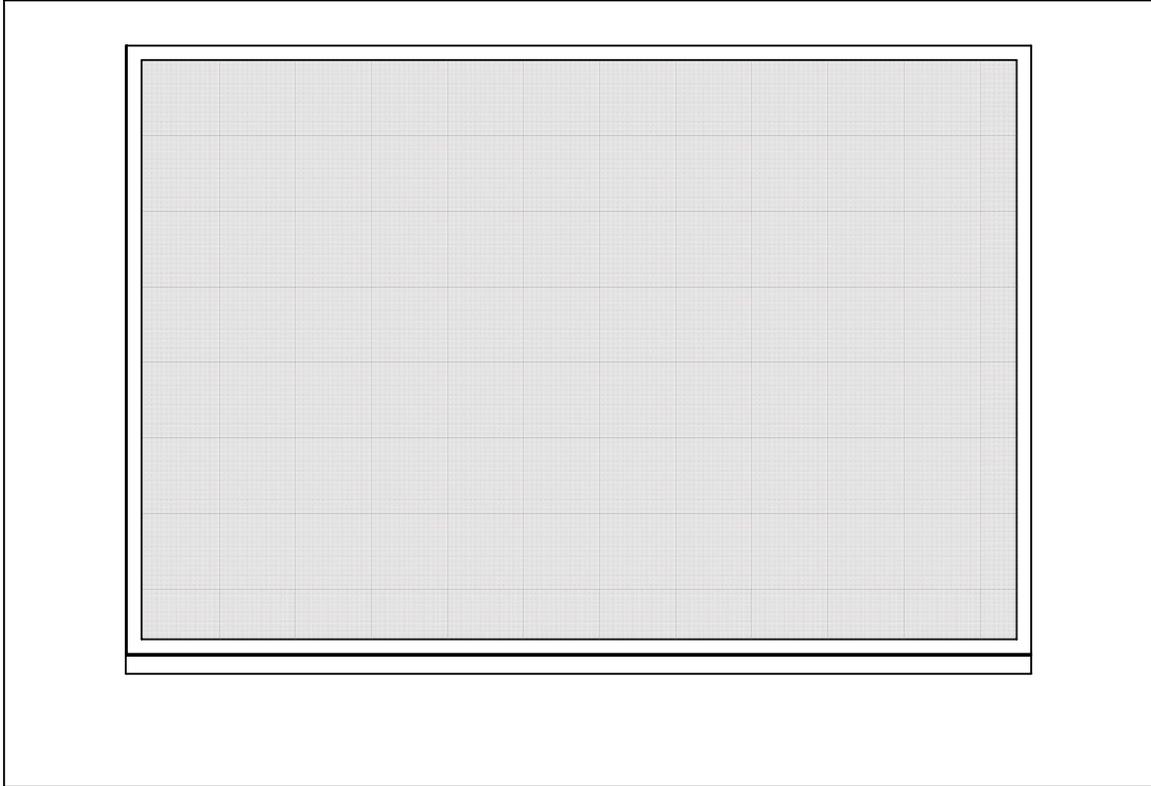
Base Type



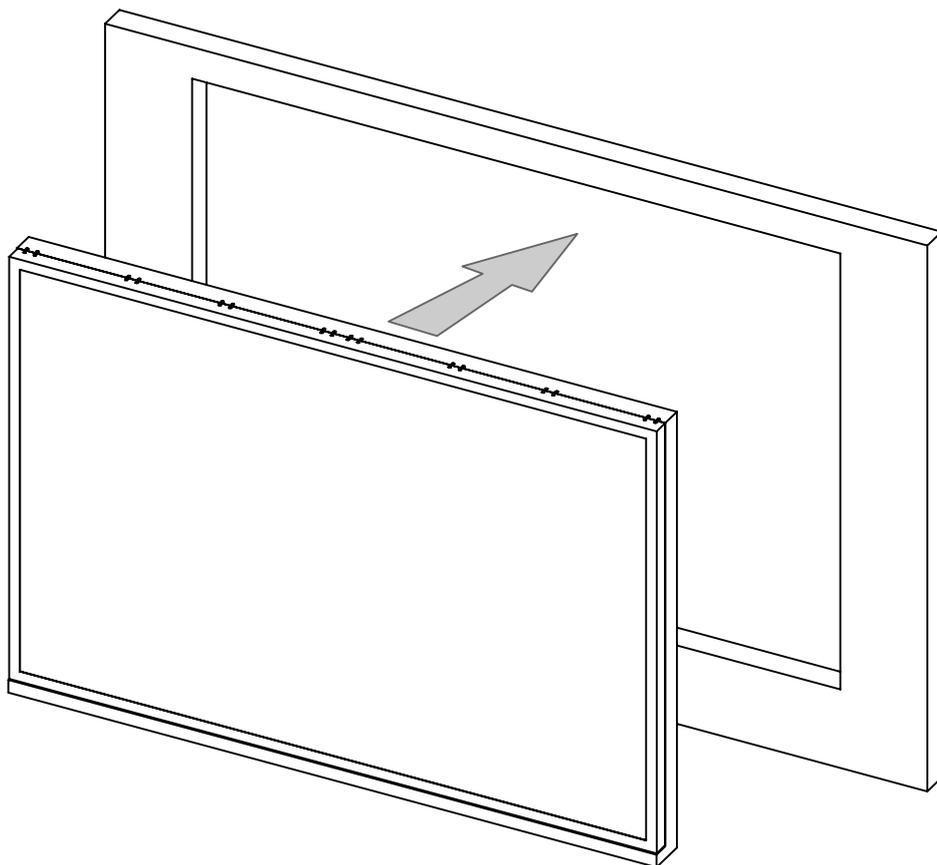
Base type displays are a suitable solution for existing walls. Base type displays are the recommended solution for screens installed on edges of properties. These screens can be both front and rear serviceable. Depending on the screen display, extra support may be required at the rear.

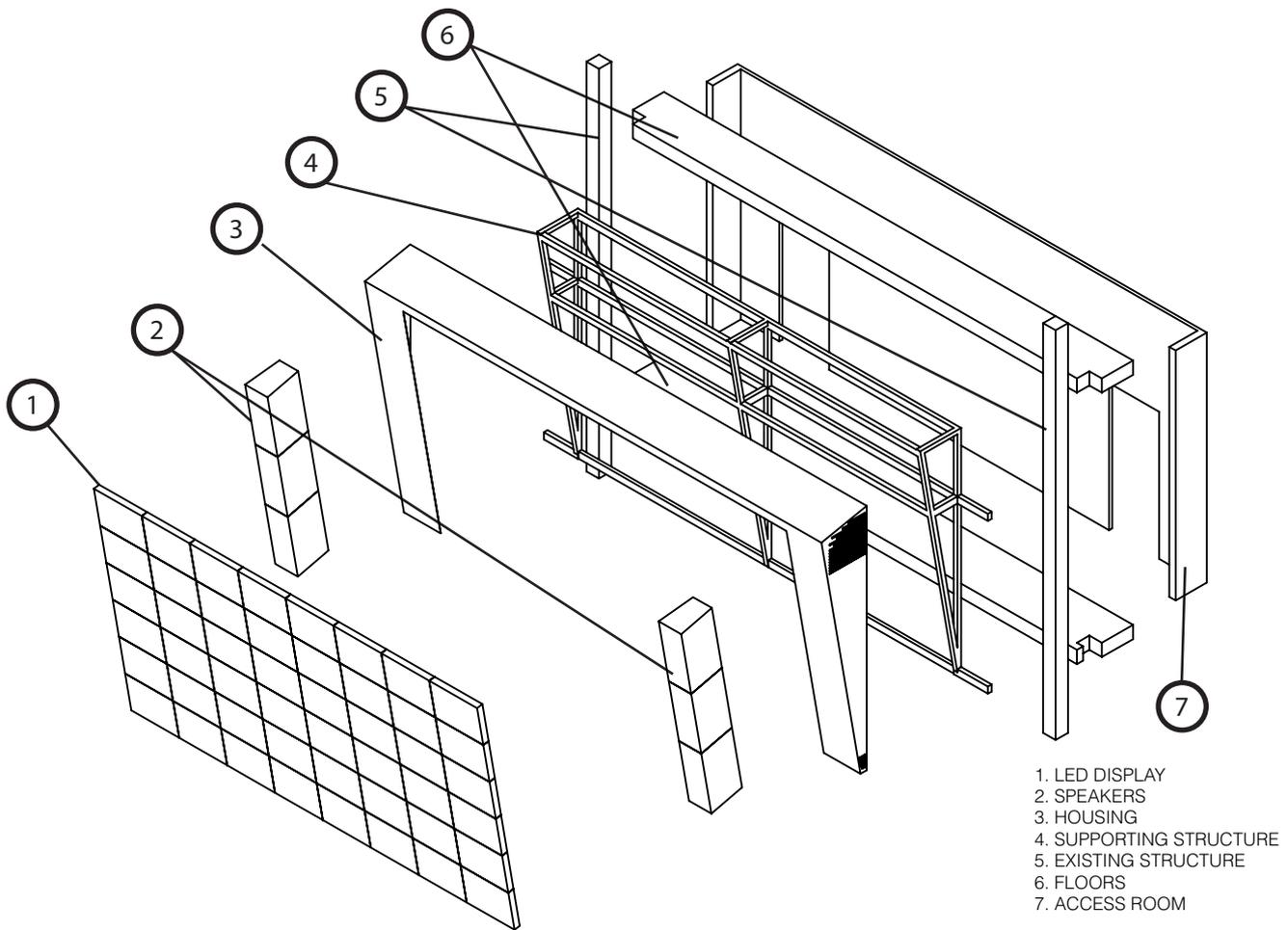


Built In (in laid)



Built in displays give a professional aesthetic to any indoor or outdoor venue. Built in displays are commonly used in new buildings, where the screen is integrated into the architectural designs but can also be installed into existing buildings and walls. Commonly used in bars and pubs, built in displays are perfect for advertising and live TV.





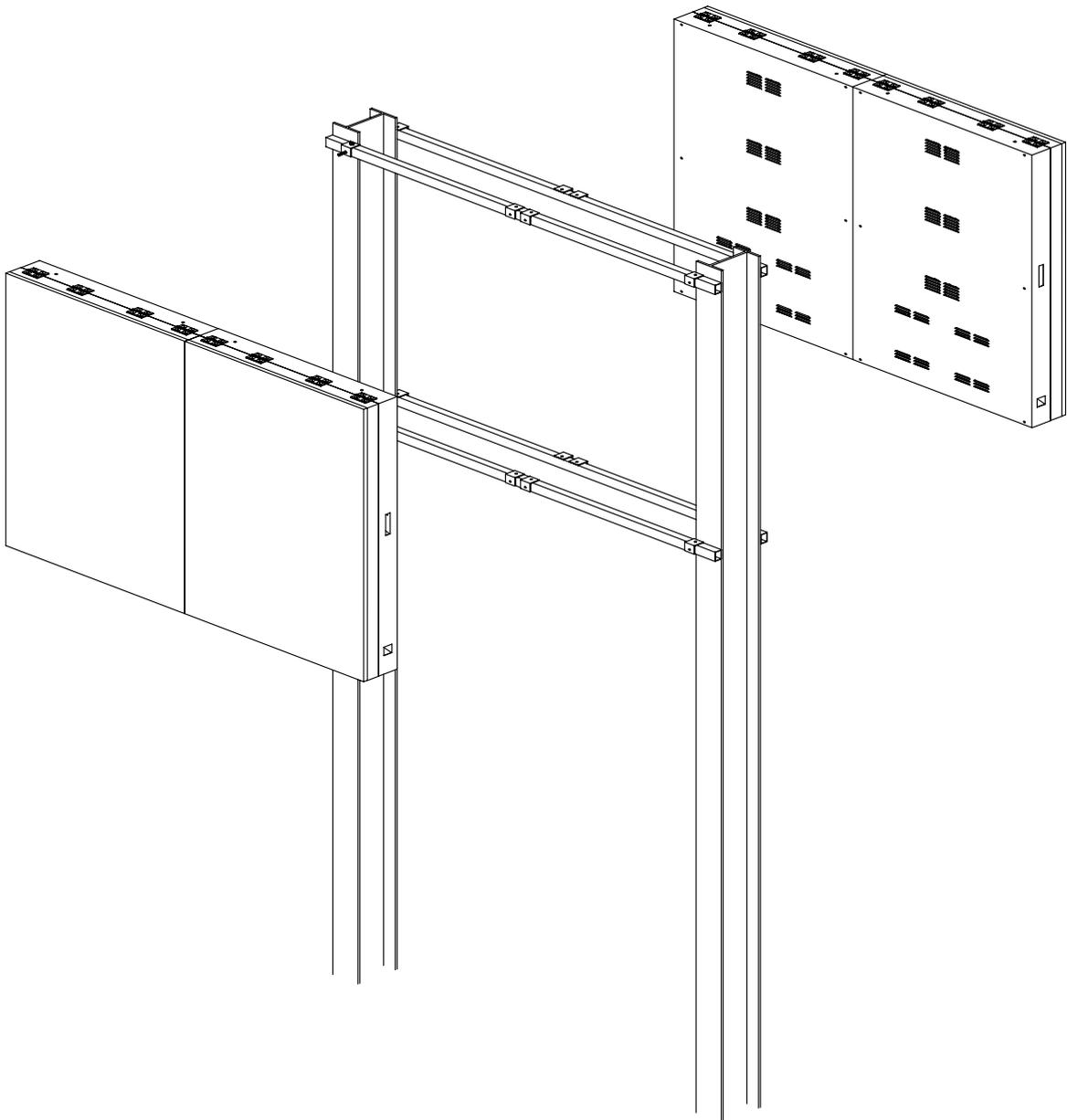
This is an example of a screen built into the architectural designs of a building. The screen is large enough to have its own servicing room in the building. The overall design includes an audio system and a planned out ventilation system.



Double Sided Screens

Although double sided screens are available as one unit, it is best to create them using individual units back to back. Using separate screens back to back allows users to control the screens independently, this gives the operator greater control of the screens content that can create more efficient audience targeting.

By using separate screens back to back you are not limited to any size restrictions. Mounting separate screens back to back leaves you in control of the gap between the screens, the larger the gap, the better the heat exhaustion and therefore the longer the screens will live.



Quoting

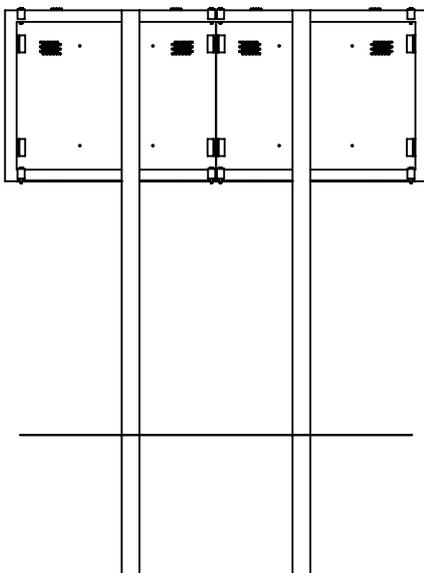
When quoting your customer for their screen do not forget to include the costs for installation. Installation costs include materials and may also include approval fees and labour. Material costs can be roughly calculated when you have estimated how much material is needed.

Cost of material x length of material = total material costs
 e.g. 50x25x2.0mm RHS Galvanised steel is \$5.95 per metre
 $\$5.95 \times 6m = \35.70

The larger the material, the more expensive it becomes:
 100x100x4.0mm RHS Galvanised steel is \$29.95 per metre
 $\$29.95 \times 6m = \179.70

Material costs may also include cuts, welding and fabrication. The price for these vary from supplier to supplier and depend on how much manual labour is involved.

No.	Description 1 & 2	Number	Length	Qty	UOM	Unit Price	Disc. %	Sub Total Excl GST	GST	Total Inc GST
RHSG10005040	RHS Galv 100 x 50 x 4.0	4	3.400	13.6	MTR	27.16		369.38	36.94	406.32
	MITRE CUTTING			8		2.20		17.60	1.76	19.36
RHSG10010040	RHS Galv 100 x 100 x 4.0	1	6.920	6.92	MTR	29.95		207.25	20.72	227.97
FSG10005	Flat Steel Galv 100 x 5	4	0.090	0.36	MTR	17.19		6.19	0.62	6.81
	CUTTING			5		1.00		5.00	0.50	5.50
	DRILLING 10mm			4		2.00		8.00	0.80	8.80
	WELDING AND FAB			0.5		80.00		40.00	4.00	44.00
RHSG10010040	RHS Galv 100 x 100 x 4.0	1	6.920	6.92	MTR	29.95		207.25	20.73	227.98
FSG10005	Flat Steel Galv 100 x 5	2	0.090	0.18	MTR	17.19		3.09	0.30	3.39
	CUTTING			3		1.00		3.00	0.30	3.30
	DRILLING 10mm			2		2.00		4.00	0.40	4.40
	Welding and fab			0.5		80.00		40.00	4.00	44.00
RHSG10010040	RHS Galv 100 x 100 x 4.0	1	6.920	6.92	MTR	29.95		207.25	20.73	227.98
FSG10005	Flat Steel Galv 100 x 5	2	0.090	0.18	MTR	17.19		3.09	0.31	3.40
	CUTTING			3		1.00		3.00	0.30	3.30
	DRILLING			2		2.00		4.00	0.40	4.40



For a standard two pole structure that supports two 960x1120 screens it is recommended to quote a minimum of \$300.00AUD.