LOMAX®

HOARDING AND FENCING SYSTEM

SAFE | COMPACT | FREE-STANDING | PRE-CERTIFIED

INSTALLATION AND TECHNICAL GUIDE

For all enquiries, please contact us:

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lomaxhoarding.com

LOMAX HOARDING

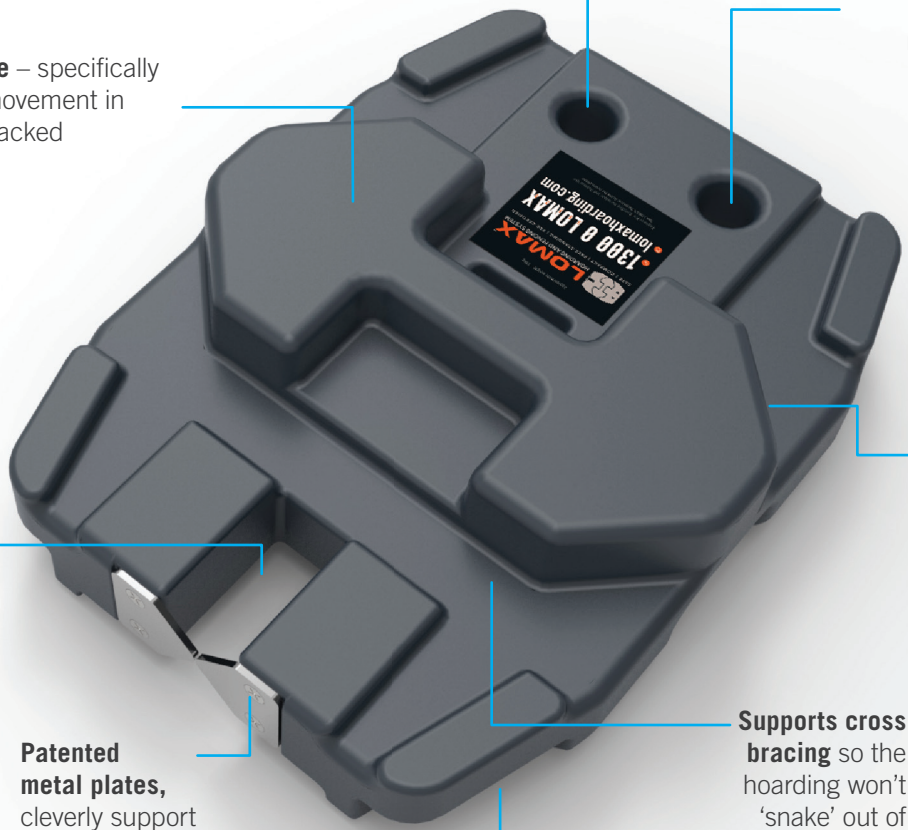
The Lomax® Hoarding and Fencing System offers a range of products that can be deployed to build free-standing, structurally engineered and compliant indoor or outdoor hoarding configurations – plus bespoke 'Safe Pedestrian Zone' fencing solutions. This Technical Guide provides the details for the build process and structural engineering parameters – For any additional information or system features, please contact Lomax Hoarding and Fencing System Pty Ltd directly.

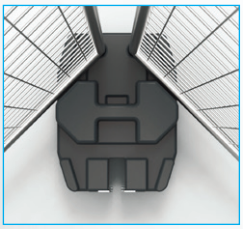
LOMAX® HOARDING AND FENCING SYSTEM FEATURES

32mm OD fence post holes means it can be used for both hoarding and fencing, as one multi-tasking solution (see LOMAX® Technical guide)

Support post readily inserts into post holes to create a high fulcrum point offering enhanced stability

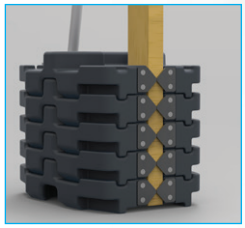
Interconnecting shape – specifically designed to restrict movement in any direction when stacked





Angled brick design allows fence posts to have a 90 degree angle for corners

Stud recess – a standard 4x2 MPG 10 timber (non-ribbed) stud freely inserts into the recess



Patented metal plates, cleverly support the pine stud and secure it in place

Easy to carry handles

Supports cross bracing so the hoarding won't 'snake' out of position once it's installed

Components

LOMAX FULL COUNTER-WEIGHT

(HOARDING + FENCING)

– 32mm OD holes for fencing or support post
– Interlocking shape
– 90x45mm stud recess with tamper proof metal plates
– Supports cross bracing
– 46mm deep

LOMAX HALF COUNTER-WEIGHT

(FENCING ONLY)

– Interlocking shape works with the full sized counter-weight
– 90x45mm stud recess with tamper proof metal plates
– Supports cross bracing

LOMAX SUPPORT POST – LARGE OR SMALL

(HOARDING ONLY)

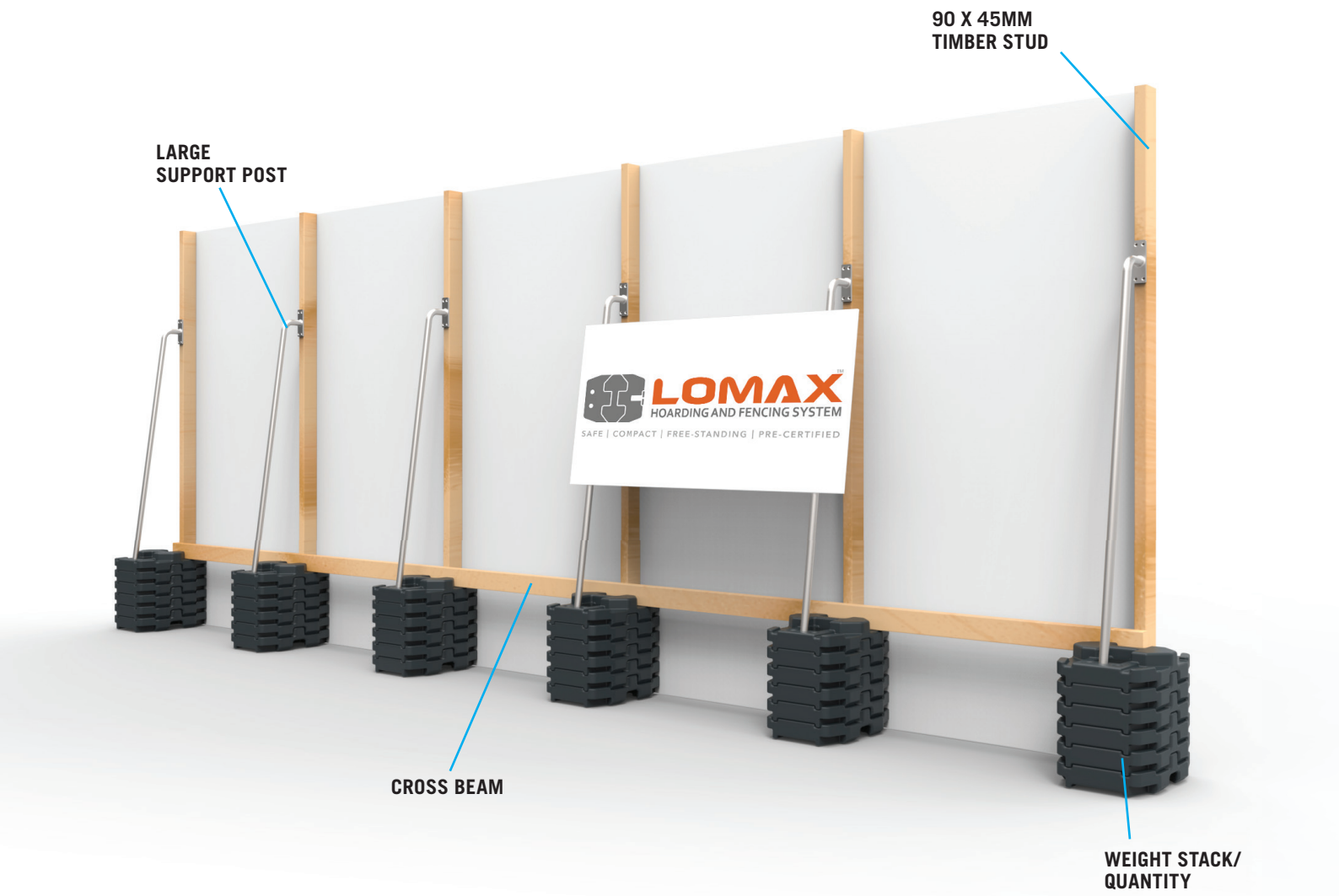
– Galvanised steel construction
– 2x sizes/lengths

LOMAX DOUBLE SUPPORT POST

(HOARDING ONLY)

– Galvanised steel construction
– Works with a double stack of weights

Indoor Impact-Rated Hoarding: 1.8mH – 6mH



INDOOR HOARDING 'WEIGHT TO HEIGHT' GUIDE FOR COMPLIANCE TO AS4687				
SOLID PANEL HEIGHT – MAX (H)	**STUD – 90 X 45 (4X2) MPG10**	**QUANTITY OF COUNTER-WEIGHTS PER STACK**	**MAX INTERVAL BETWEEN COUNTER-WEIGHT STACKS**	**CEILING, FLOOR OR SIDE BRACING REQUIRMENTS**
1.2m	*90 x 45 MPG10*	*2*	*2.4mW*	*Freestanding – Not Required*
1.8m	*90 x 45 MPG10*	*3*	*1.2mW*	*Freestanding – Not Required*
2.4m	*90 x 45 MPG10*	*3*	*1.2mW*	*Freestanding – Not Required*
3m	*90 x 45 MPG10*	*4*	*1.2mW*	*Freestanding – Not Required*
3.6m	*90 x 45 MPG10*	*4*	*1.2mW*	*Freestanding – Not Required*
4m	*90 x 45 MPG10*	*5*	*1.2mW*	*Freestanding – Not Required*
4.6m	*90 x 45 MPG10*	*5*	*1.2mW*	*Freestanding – Not Required*
5m	*90 x 45 MPG10*	*6*	*1.2mW*	*Freestanding – Not Required*
5.6m	*90 x 45 MPG10*	*6*	*1.2mW*	*Freestanding – Not Required*
6m	*90 x 45 MPG10*	*7*	*1.2mW*	*Freestanding – Not Required*
Lower Cross-Brace and Support Post Required for all Certification – See LOMAX for Technical Guide / Build Process				

BUILD GUIDE FOR INDOOR AND OUTDOOR 'SINGLE STACK' HOARDINGS UP TO 6MH

1. Stack Lomax® counter-weights

2. Insert standard 90x45 (4x2) MPG 10 stud (non-ribbed)

3. Insert Lomax® Support Post

4. Attach panels

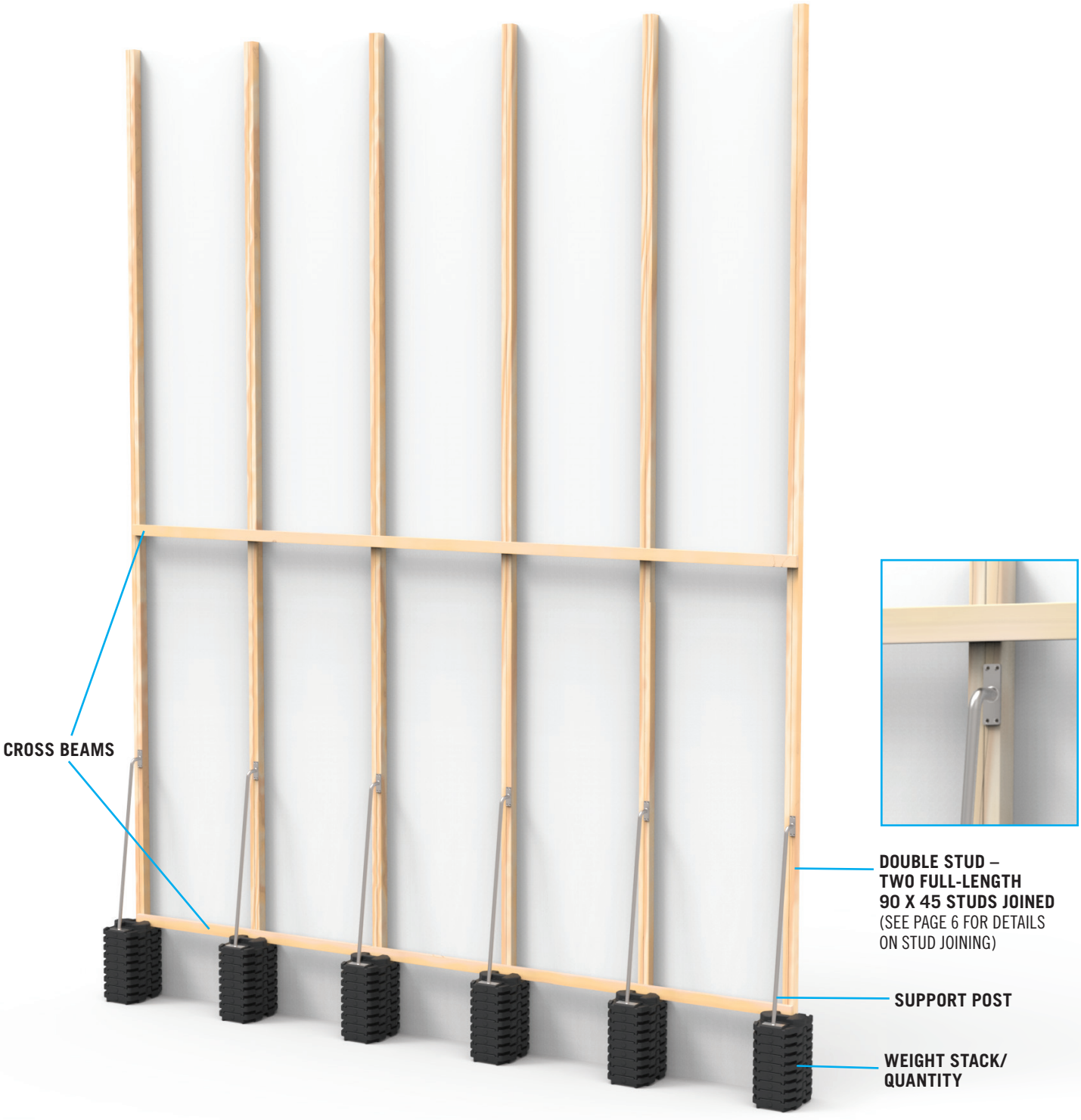
5. Add cross beam

ABOVE GUIDE IS FOR 'SINGLE WEIGHT STACK' CONFIGURATIONS ONLY – ADDITIONAL PRE-CERTIFIED 'DOUBLE STACK' CONFIGURATIONS ARE AVAILABLE – PLEASE CONTACT LOMAX HOARDING AND FENCING FOR TECHNICAL GUIDANCE

HOARDING SYSTEM SPECIFICATIONS + REQUIREMENTS

DETAILS	COMMENTS
All Configurations Designed + Structural Engineer Tested to:	*Indoor Impact tested: AS 4687:2007*
Panel Height Options (All Free-standing)	*Indoor – 1.2mH to 8mH + Outdoor – 1.2mH to 4mH*
Panel Thickness Options	*Min 12mm required*
Panel Type Options	*Mdf, Ply, Melamine, EPS, Fire rated*
Min Quantity of panels	*3*
Lomax Counter-weight (Kg)	*Approx 18Kg each*
Stack types	*Single or Double – See illustration*
Stud Requirements – 1.2mH – 6mH (Indoor) + 1.2mH – 4mH (Outdoor)	*Single vertical 90x45mm (4x2) MPG 10 (smooth / non-ribbed)*
Stud Requirements 6.1mH – 8mH+ (Indoor)	*Double vertical 90x45mm (4x2) MPG 10 (smooth / non-ribbed) – See joining guidelines*
No movement Crossbeam Stud Requirements 1.2mH – 6mH	*1 x horizontal 90x45mm (4x2) MPG 10 (smooth / non-ribbed) – see illustration*
No movement Crossbeam Stud Requirements 6.1mH – 8mH	*2 x horizontal 90x45mm (4x2) MPG 10 (smooth / non-ribbed) – see illustration*
Screw Requirements: 1.2mH – 6mH (Indoor) + 1.2mH – 4mH (Outdoor)	*Min 40mm x 8g (to attach panels)*
Screw Requirements: 6.1mH – 8mH+ (Indoor)	*Min 40mm x 8g (to attach panels) + 75mm x 14g Bugle (For Stud Joining)*
Screw Spacing: 1.2mH – 6mH (Indoor) + 1.2mH – 4mH (Outdoor)	*100mm from top and bottom of panels – then each 400mm-500mm in between*
Screw Spacing 6.1mH – 8mH+ (Indoor)	*100mm from top and bottom of panels – then each 400mm in between*
Screw Spacing for stud joining	*360mm Spacing – Staggered placement (see illustration)*

Indoor Impact-Rated Hoarding: 6.1mH – 8mH



INDOOR HOARDING 'WEIGHT TO HEIGHT' GUIDE FOR COMPLIANCE TO AS4687

SOLID PANEL HEIGHT – MAX (H)	STUD – 90 X 45 (4X2) MPG10	QUANTITY OF COUNTER-WEIGHTS PER STACK	MAX INTERVAL BETWEEN COUNTER-WEIGHT STACKS	CEILING, FLOOR OR SIDE BRACING REQUIRMENTS
6.6m	*90 x 45 MPG10*	*7*	*1.2mW*	*Freestanding – Not Required*
7m	*90 x 45 MPG10*	*8*	*1.2mW*	*Freestanding – Not Required*
7.6m	*90 x 45 MPG10*	*8*	*1.2mW*	*Freestanding – Not Required*
8m	*90 x 45 MPG10*	*9*	*1.2mW*	*Freestanding – Not Required*
Above 8m	*90 x 45 MPG10*	*9*	*1.2mW*	*Required at Top of Hoarding*
Lower Cross-Brace and Support Post Required for all Certification – See LOMAX for Technical Guide / Build Process				

Stud Joining

JOIN A STUD

>6.1MH – 8MH HOARDING

FULL HEIGHT DOUBLE STUD REQUIRED

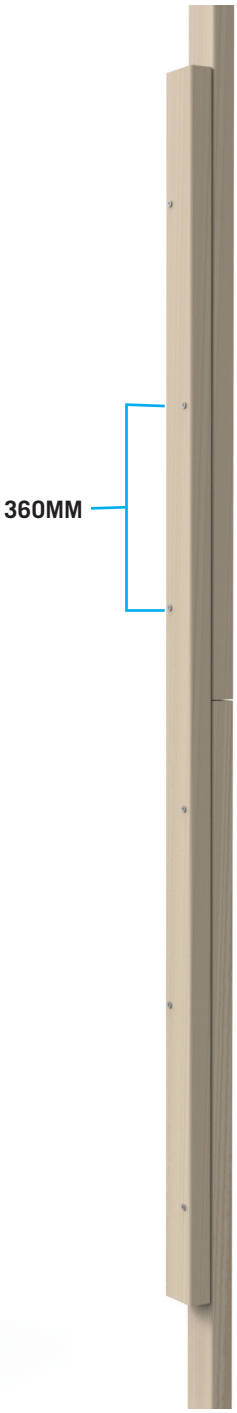
EXTENDING A STUD

1.8MH – 6MH HOARDINGS

MIN 1.2M ABOVE / BELOW
OVERLAP OF JOIN REQUIRED
(MIN 2.4ML JOINING STUD)

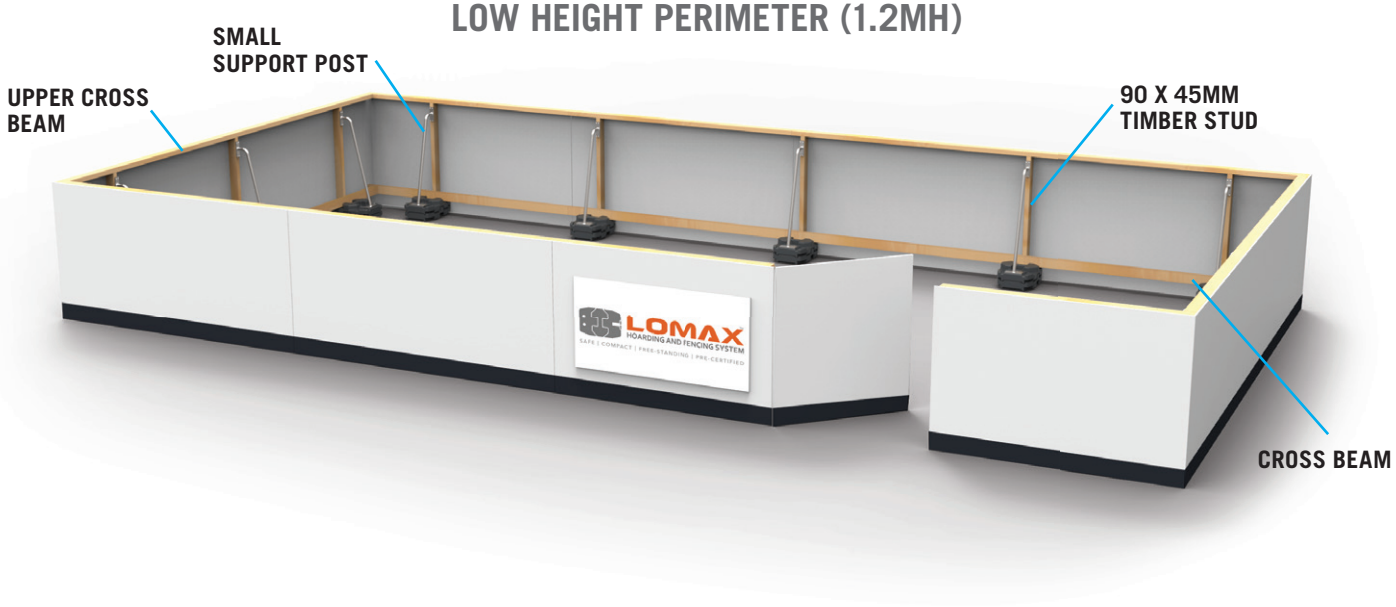
SCREW SPACING

360MM SPACINGS – STAGGERED

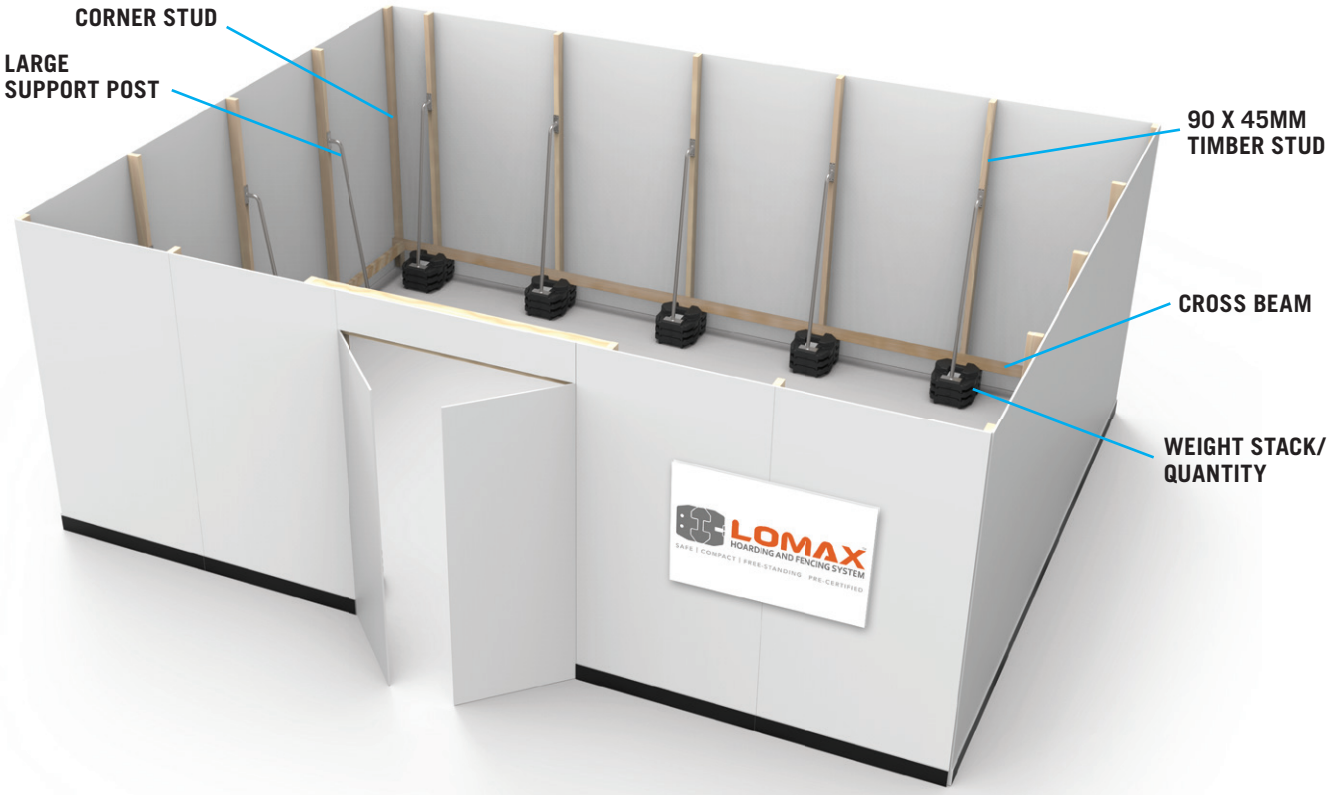


Kiosk

LOW HEIGHT PERIMETER (1.2MH)



CONTAINMENT PERIMETER (2.4MH)



INDOOR HOARDING 'WEIGHT TO HEIGHT' GUIDE FOR COMPLIANCE TO AS4687				
SOLID PANEL HEIGHT – MAX (H)	**STUD – 90 X 45 (4X2) MPG10**	**QUANTITY OF COUNTER-WEIGHTS PER STACK**	**MAX INTERVAL BETWEEN COUNTER-WEIGHT STACKS**	**CEILING, FLOOR OR SIDE BRACING REQUIRMENTS**
1.2m	*91 x 45 MPG10*	*2*	*2.4mW*	*Freestanding – Not Required*
2.4m	*92 x 45 MPG10*	*3*	*1.2mW*	*Freestanding – Not Required*
Lower Cross-Brace and Support Post Required for all Certification (Plus a 1.2mH kiosk requires top Cross-Brace)				

Outdoor Wind Rated Hoarding

SINGLE STACK

OUTDOOR HOARDING 'WEIGHT-TO-HEIGHT-TO-WIND SPEED'

EXAMPLES (SUPPORTING WEIGHTS AT 1.2M OR 0.6M INTERVALS AT REAR)

FREE-STANDING HOARDING OPTIONS FOR SINGLE STACK OF COUNTERWEIGHTS @ 1.2MW INTERVALS							
SOLID PANEL HEIGHT – MAX (H)	**STUD – 90 X 45 (4X2) MPG10**	**WIND SPEED 10M/S (36KPH)**	**WIND SPEED 11M/S (39.6KPH)**	**WIND SPEED 12M/S (43.2KPH)**	**WIND SPEED 13M/S (46.8KPH)**	**WIND SPEED 14M/S (50.4KPH)**	**WIND SPEED 15M/S (54KPH)**
1.2m	*90 x 45 MPG10*	*3*	*3*	*3*	*3*	*3*	*3*
1.8m	*90 x 45 MPG10*	*3*	*3*	*4*	*5*	*6*	*7*
2.4m	*90 x 45 MPG10*	*5*	*6*	*8*	*10*	*11*	*13*
3m	*90 x 45 MPG10*	*8*	*10*	*13*	*15*	*18*	*N/A*
3.6m	*90 x 45 MPG10*	*12*	*15*	*19*	*N/A*	*N/A*	*N/A*
4m	*90 x 45 MPG10*	*15*	*19*	*N/A*	*N/A*	*N/A*	*N/A*
FREE-STANDING HOARDING OPTIONS FOR SINGLE STACK OF COUNTERWEIGHTS @ 0.6MW INTERVALS							
SOLID PANEL HEIGHT – MAX (H)	**STUD – 90 X 45 (4X2) MPG10**	**WIND SPEED 10M/S (36KPH)**	**WIND SPEED 13M/S (46.8KPH)**	**WIND SPEED 15M/S (54KPH)**	**WIND SPEED 17M/S (61.2KPH)**	**WIND SPEED 19M/S (68.4KPH)**	**WIND SPEED 21M/S (75.6KPH)**
1.2m	*90 x 45 MPG10*	*3*	*3*	*3*	*3*	*3*	*4*
1.8m	*90 x 45 MPG10*	*3*	*3*	*4*	*5*	*6*	*8*
2.4m	*90 x 45 MPG10*	*3*	*5*	*7*	*9*	*12*	*14*
3m	*90 x 45 MPG10*	*4*	*8*	*11*	*14*	*18*	*N/A*
3.6m	*90 x 45 MPG10*	*6*	*12*	*16*	*N/A*	*N/A*	*N/A*
4m	*90 x 45 MPG10*	*8*	*14*	*20*	*N/A*	*N/A*	*N/A*
See 'Lomax Outdoor Wind Calculator' for full range of configurations available							

Outdoor Wind Rated Hoarding

DOUBLE STACK

OUTDOOR HOARDING 'WEIGHT-TO-HEIGHT-TO-WIND SPEED'
EXAMPLES (SUPPORTING WEIGHTS AT 1.2M OR 0.6M INTERVALS AT REAR)

FREE-STANDING HOARDING OPTIONS FOR **DOUBLE STACK OF COUNTERWEIGHTS @ 1.2MW INTERVALS**

SOLID PANEL HEIGHT – MAX (H)	STUD – 90 X 45 (4X2) MPG10	WIND SPEED 10M/S (36KPH)	WIND SPEED 15M/S (54KPH)	WIND SPEED 17M/S (61.2KPH)	WIND SPEED 19M/S (68.4KPH)	WIND SPEED 21M/S (75.6KPH)	WIND SPEED 26M/S (93.6KPH)
1.8m	*90 x 45 MPG10*	*3+3*	*3+3*	*3+3*	*4+4*	*4+4*	*N/A*
2.4m	*90 x 45 MPG10*	*3+3*	*3+3*	*4+4*	*5+5*	*7+7*	*11+11*
3m	*90 x 45 MPG10*	*3+3*	*5+5*	*7+7*	*9+9*	*11+11*	*17+17*
3.6m	*90 x 45 MPG10*	*3+3*	*7+7*	*10+10*	*12+12*	*16+16*	*N/A*
4m	*90 x 45 MPG10*	*3+3*	*9+9*	*12+12*	*16+16*	*19+19*	*N/A*

FREE-STANDING HOARDING OPTIONS FOR **DOUBLE STACK OF COUNTERWEIGHTS @ 0.6MW INTERVALS**

SOLID PANEL HEIGHT – MAX (H)	STUD – 90 X 45 (4X2) MPG10	WIND SPEED 15M/S (54KPH)	WIND SPEED 19M/S (68.4KPH)	WIND SPEED 21M/S (75.6KPH)	WIND SPEED 26M/S (93.6KPH)	WIND SPEED 30M/S (108KPH)	WIND SPEED 34M/S (122.4KPH)
1.8m	*90 x 45 MPG10*	*3+3*	*3+3*	*3+3*	*4+4*	*5+5*	*N/A*
2.4m	*90 x 45 MPG10*	*3+3*	*3+3*	*4+4*	*6+6*	*8+8*	*10+10*
3m	*90 x 45 MPG10*	*3+3*	*5+5*	*6+6*	*9+9*	*12+12*	*15+15*
3.6m	*90 x 45 MPG10*	*4+4*	*6+6*	*8+8*	*13+13*	*17+17*	*N/A*
4m	*90 x 45 MPG10*	*5+5*	*8+8*	*10+10*	*15+15*	*N/A*	*N/A*

See 'Lomax Outdoor Wind Calculator' for full range of configurations available

Lomax® – 'Safe Pedestrian Zone' Fencing Solution

'SAFE PEDESTRIAN ZONE'
WITH ONLY 3CM PROTRUDING

A common feature of traditional fencing solutions is that the counter-weight protrudes from the front of the fencing panel and can create a trip hazard in what is commonly considered a 'pedestrian zone'. The Lomax® Hoarding and Fencing Solution has been designed so that in a straight line, only 3cm of counter-weight protrudes and as such eliminates this hazard and offers a 'Safe Pedestrian Zone' solution every time.

Due to the outdoor nature of fencing installations that can vary by location, wind levels, shade-cloth and signage requirements, one single counter-weight guide or solution cannot meet all scenarios. As such, the following Lomax® Hoarding and Fencing System Solution is offered as a guide only for all fencing deployments and additional advice should be sought to ensure compliance prior to installation.

1. Stack 2 x Full Sized counter-weights

2. Add/Stack correct quantity of half-brick counter-weights

3. Space out stacks of counter-weights

4. Insert standard 32mm OD fencing panel posts into post holes

5. Stacks are placed inside to create a 'Safe Pedestrian Zone' outside the fence

6. Place stacks at a 45 degree angle to create a corner

'LOMAX' FENCING COUNTER-WEIGHT GUIDE ONLY – INDIVIDUAL SITE CONDITIONS MUST BE CONSIDERED	
LOCATION GUIDE (TO BE USED WITH STANDARD 32MM OD FENCING PANEL)	**WEIGHT QTY GUIDE** (INDIVIDUAL SITE SPECIFIC CONDITIONS MAY CHANGE THIS GUIDE)
Suitable for Indoor Use (not compliant to AS 4687 climb test)	*2 x Full Lomax Counter-weights*
Suitable for Outdoor Use (Guide – no shade cloth applied)	*2 x Full Lomax Counter-weights + 1 x Half Brick Counter-weights*
Suitable for Outdoor Use (Guide – possible shade cloth applied)	*2 x Full Lomax Counter-weights + 2 x Half Brick Counter-weights*
Suitable for Indoor Use (Guide – high wind / possible shade cloth)	*2 x Full Lomax Counter-weights + 3 x Half Brick Counter-weights*
Individual site conditions / shade cloth / wind loadings vary – The above is a guide only	

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TERMS AND CONDITIONS

HOARDING: The intent of this document is to clearly describe and also illustrate the build process and structural certification parameters of the various indoor and outdoor modular configurations for the Lomax Hoarding and Fencing System – particular attention should be given to the screw type and spacing required. **FENCING:** Due to the external nature of fencing installations that vary by location, wind levels, shade-cloth & signage requirements, no single guide can meet all scenarios. As such, these images are general and for illustration purposes only and additional guidance should be sought to ensure compliance prior to installation. **GENERAL:** By signing this Technical Guide, you confirm your understanding of the details within and that acknowledge that any variation will ensure that the pre-certified compliance no longer applies. For any additional information or system features, please contact Lomax Hoarding and Fencing System Pty Ltd directly.

PLEASE SIGN HERE IN FULL
to acknowledge you have read and understood this document

DATE