LOMAX®
SYSTEM

MODULAR HOARDING SOLUTIONS
COMPACT | REUSABLE | FREESTANDING

INSTALLATION AND TECHNICAL GUIDE

For all enquiries, please contact us:

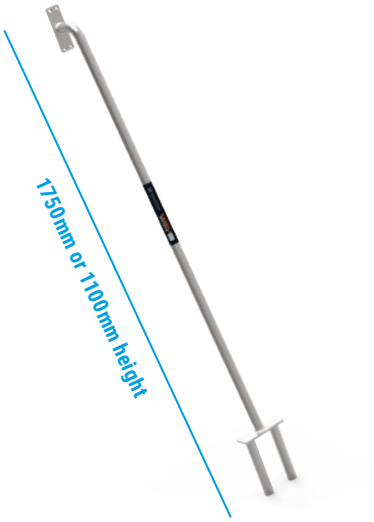
1300 0 LOMAX
1300 0 56629
lomaxsystem.com

Components



LOMAX COUNTERWEIGHT

- 90x45mm (4x2) recess designed to receive a vertical timber stud
- Integrated metal plates to retain the timber stud
- 32mm OD holes to receive hoarding support posts
- Horizontal track to receive hoarding crossbeam support timbers
- Easy carry handles
- Interlocking shape for secure stacking
- 18Kg weight



LOMAX SUPPORT POSTS – LARGE AND SMALL

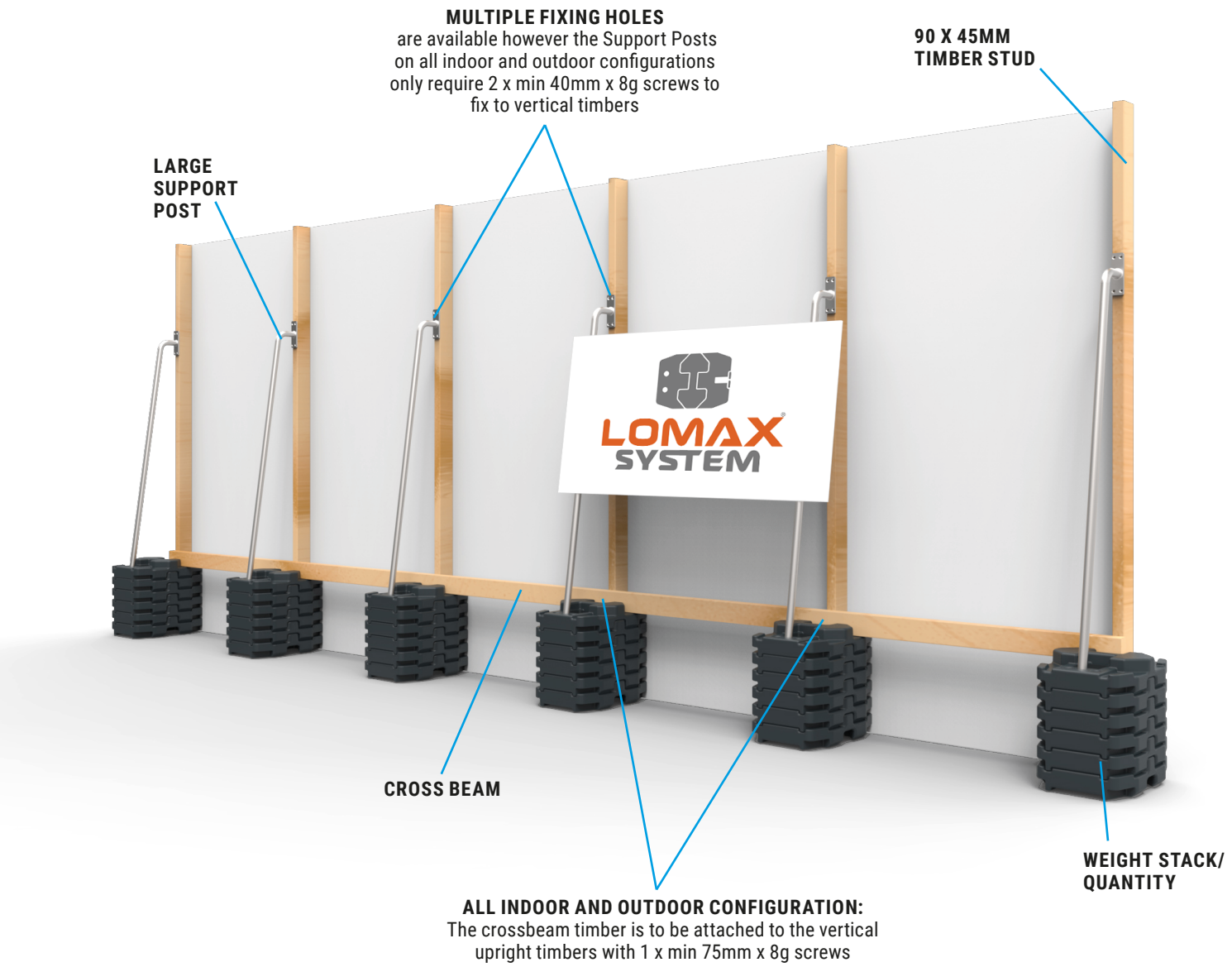
- 2 x 32mm OD guide-prongs to slide into Full Sized Counterweight
- Galvanised steel construction for strength and durability
- Easy to stack, store and transport
- 5Kg weight



LOMAX DOUBLE SUPPORT POSTS

- 4 x 32mm OD guide-prongs to slide into double stacked Full Sized Counterweights
- Galvanised steel construction for strength and durability
- Easy to stack, store and transport
- 9Kg weight

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 REQUIREMENTS**
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*	*6*	*1.2mW*	*Freestanding – Not Required*
5m	*90 x 45 MPG10*	*8*	*1.2mW*	*Freestanding – Not Required*
5.6m	*90 x 45 MPG10*	*10*	*1.2mW*	*Freestanding – Not Required*
6m	*90 x 45 MPG10*	*12*	*1.2mW*	*Freestanding – Not Required*
Lower Cross-Brace and Support Post Required for all Certification – See LOMAX for Technical Guide / Build Process				

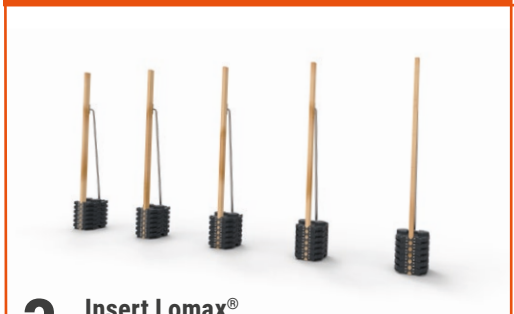
BUILD GUIDE FOR INDOOR AND OUTDOOR 'SINGLE STACK' HOARDINGS UP TO 6MH



1. Stack Lomax® counter-weights



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



3. Insert Lomax® Support Post



4. Attach panels

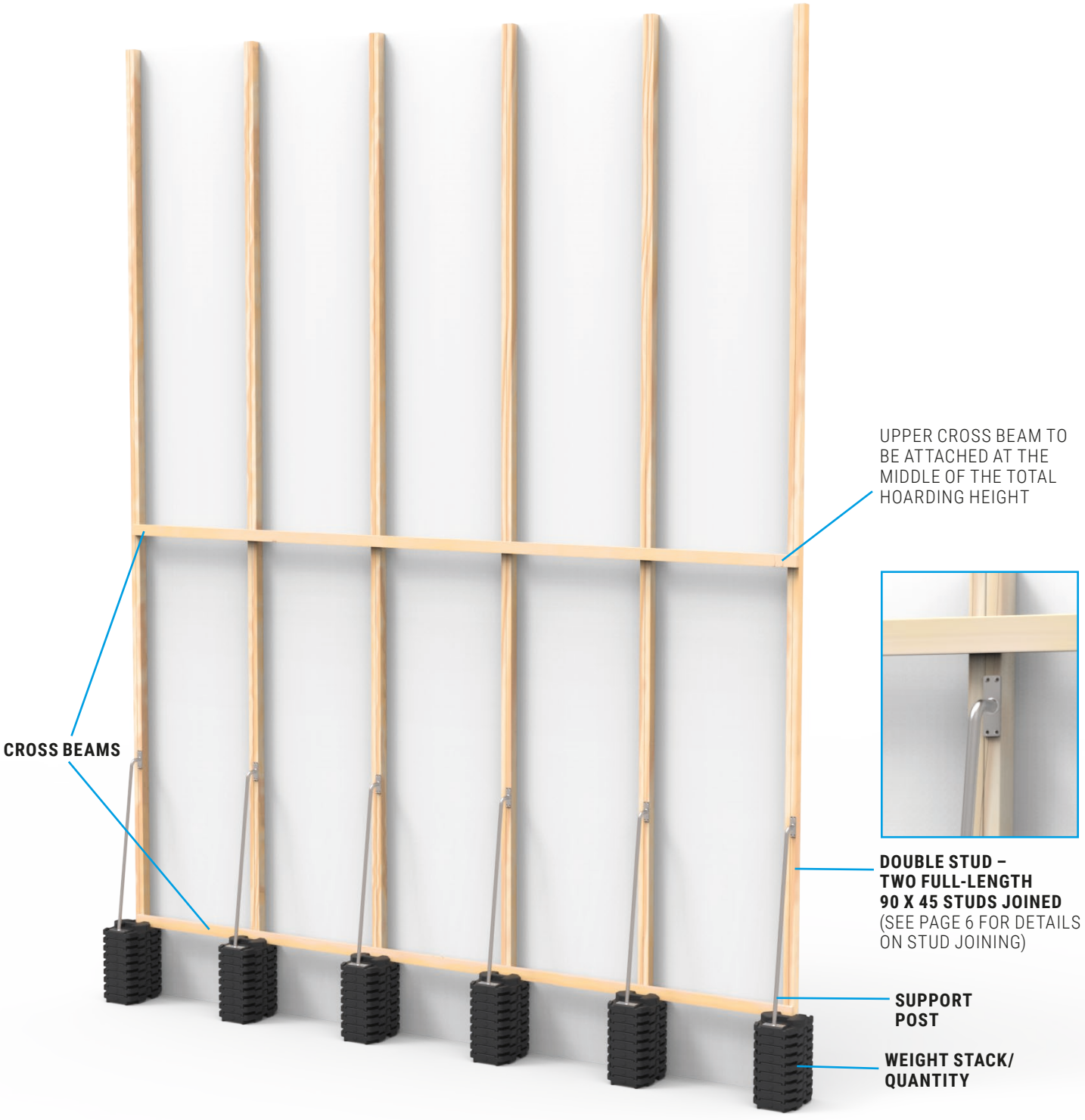


5. Add cross beam

ABOVE GUIDE IS FOR 'SINGLE WEIGHT STACK' CONFIGURATIONS ONLY. ADDITIONAL PRE-CERTIFIED 'DOUBLE STACK' CONFIGURATIONS ARE AVAILABLE. PLEASE CONTACT LOMAX SYSTEM FOR TECHNICAL GUIDANCE.

	DETAILS	COMMENTS
HOARDING SYSTEM SPECIFICATIONS + REQUIREMENTS	*All Configurations Designed + Structural Engineer Tested to:*	*Indoor Impact tested: AS 4687:2022*
	Panel Height Options (All Freestanding)	*Indoor: 1.2mH – 8mH + Outdoor: 1.2mH – 4mH*
	Panel Thickness Options	*Min 12mm required*
	Panel Type Options	*Mdf, Particle, Ply, Melamine, EPS*
	Min Quantity of panels needed for certification	*3*
	Lomax Counterweight (Kg)	*Approx 18Kg each*
	Stack types	*Single or Double – See various illustrations*
	Double Stack Safety Rod (Only one per rear stack required)	*10mm rod / 50mm washer top and bottom / Bottom lock nut (see separate rod height guide)*
	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 plus attach support post to vertical timber)*
	Screw Requirements 6.1mH – 8mH+ (Indoor)	*Min 40mm x 8g (to attach panels) + 50mm x 12g (to attach support post to vertical timber)*
	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 and requirements for stud joining	*400mm Spacing – Staggered placement of 75mm x 14g Bugle (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 REQUIREMENTS
6.6m	*90 x 45 MPG10*	*16*	*1.2mW*	*Freestanding – Not Required*
7m	*90 x 45 MPG10*	*16*	*1.2mW*	*Freestanding – Not Required*
7.6m	*90 x 45 MPG10*	*20*	*1.2mW*	*Freestanding – Not Required*
8m	*90 x 45 MPG10*	*20*	*1.2mW*	*Freestanding – Not Required*
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

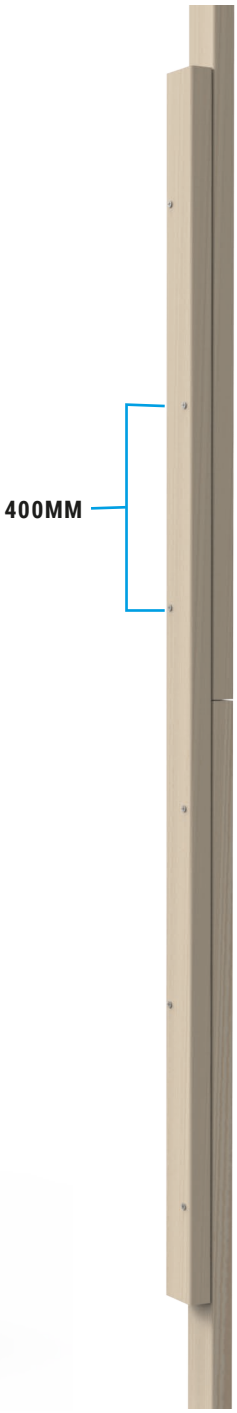
1.8MH – 6MH HOARDINGS

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



SCREW SPACING

400MM SPACINGS – STAGGERED



Door Fitting

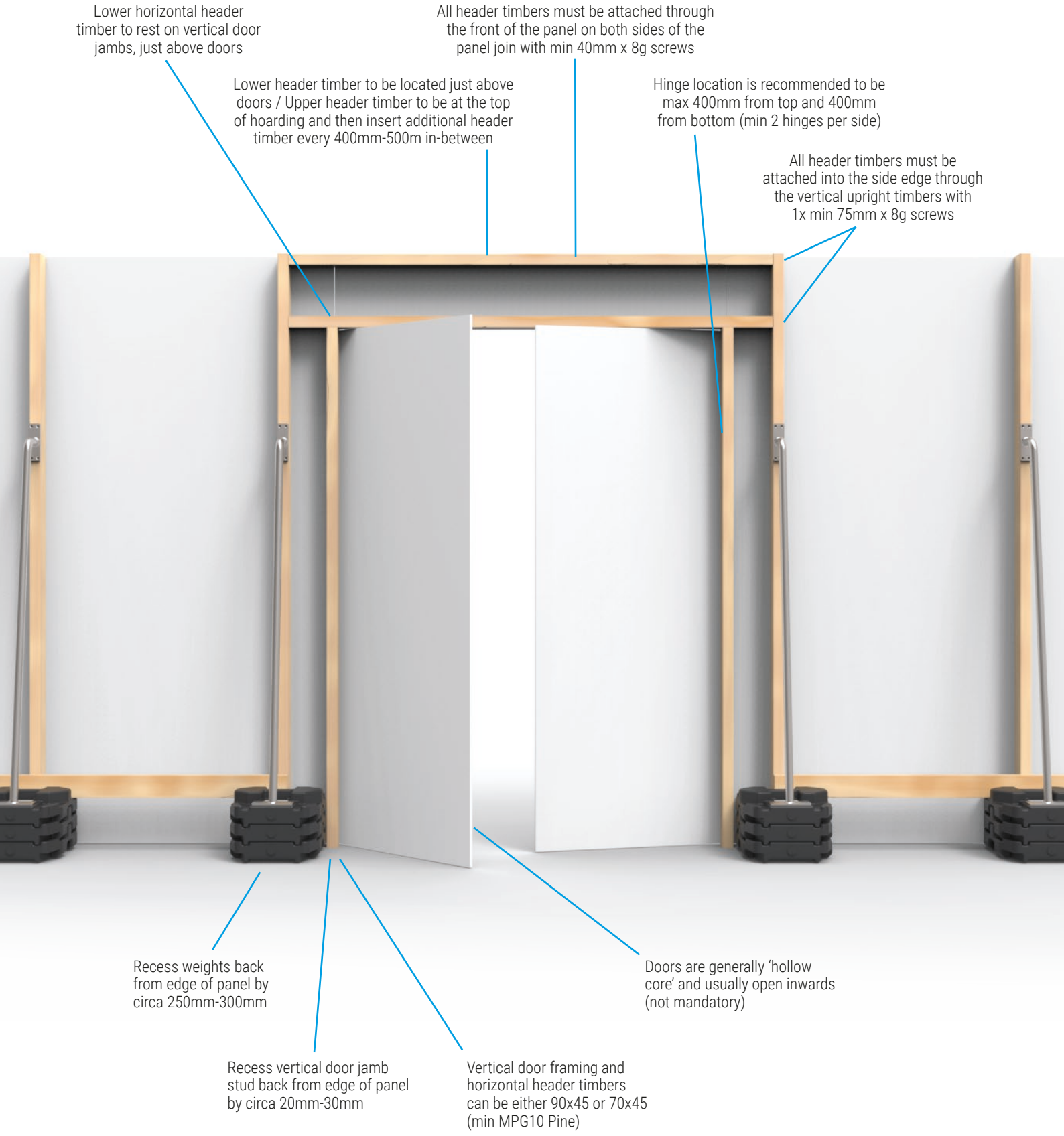
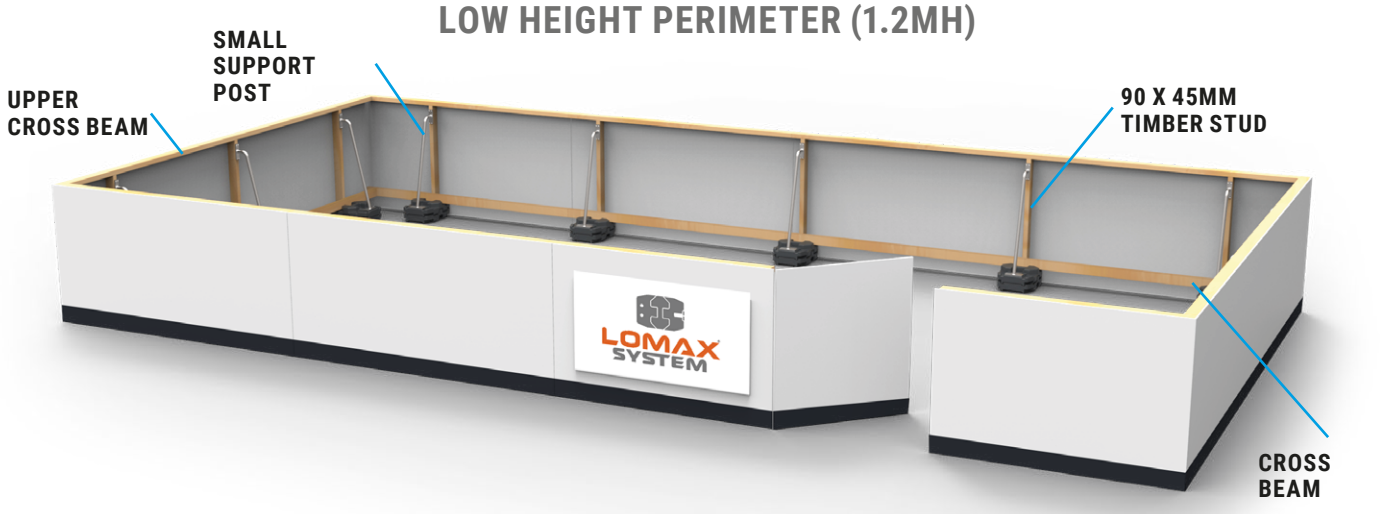


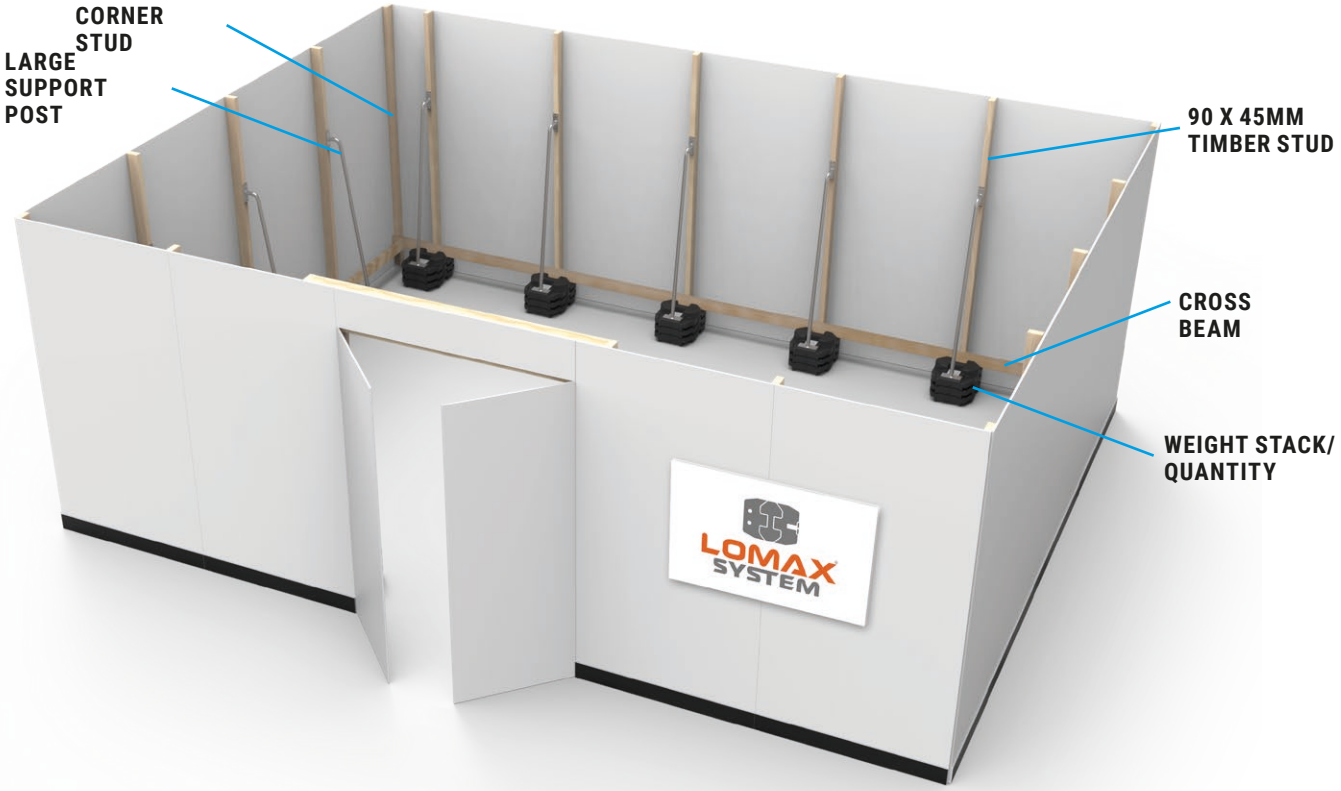
ILLUSTRATION SHOWS 2.4MH INDOOR HOARDING WITH 2MH DOOR AND 0.4MH TOP PANEL

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 REQUIREMENTS
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 HOARDINGS – SINGLE STACK – 'WEIGHT / HEIGHT/ WIND SPEED' EXAMPLES							
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)**
1.8m	*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 19M/S (68.4KPH)**	**WIND SPEED 21M/S (75.6KPH)**	**WIND SPEED 23M/S (82.8KPH)**
1.8m	*90 x 45 MPG10*	*3*	*3*	*4*	*6*	*8*	*10*
2.4m	*90 x 45 MPG10*	*3*	*5*	*7*	*12*	*14*	*17*
3m	*90 x 45 MPG10*	*4*	*8*	*11*	*18*	*N/A*	*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 System Outdoor Configurator' for full range of options							

Outdoor Wind Rated Hoarding

DOUBLE STACK



OUTDOOR HOARDINGS – DOUBLE STACK – 'WEIGHT / HEIGHT/ WIND SPEED' EXAMPLES							
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 15M/S (54KPH)**	**WIND SPEED 19M/S (68.4KPH)**	**WIND SPEED 21M/S (75.6KPH)**	**WIND SPEED 23M/S (82.8KPH)**	**WIND SPEED 26M/S (93.6KPH)**	**WIND SPEED 29M/S (104.4KPH)**
1.8m	*90 x 45 MPG10*	*3+3*	*4+4*	*4+4*	*5+5*	*N/A*	*N/A*
2.4m	*90 x 45 MPG10*	*3+3*	*5+5*	*7+7*	*8+8*	*11+11*	*14+14*
3m	*90 x 45 MPG10*	*5+5*	*9+9*	*11+11*	*13+13*	*17+17*	*N/A*
3.6m	*90 x 45 MPG10*	*7+7*	*12+12*	*16+16*	*19+19*	*N/A*	*N/A*
4m	*90 x 45 MPG10*	*9+9*	*16+16*	*19+19*	*N/A*	*N/A*	*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 23M/S (82.8KPH)**	**WIND SPEED 26M/S (93.6KPH)**	**WIND SPEED 29M/S (104.4KPH)**
1.8m	*90 x 45 MPG10*	*3+3*	*3+3*	*3+3*	*3+3*	*4+4*	*4+4*
2.4m	*90 x 45 MPG10*	*3+3*	*3+3*	*4+4*	*4+4*	*6+6*	*7+7*
3m	*90 x 45 MPG10*	*3+3*	*5+5*	*6+6*	*7+7*	*9+9*	*11+11*
3.6m	*90 x 45 MPG10*	*4+4*	*6+6*	*8+8*	*10+10*	*13+13*	*16+16*
4m	*90 x 45 MPG10*	*5+5*	*8+8*	*10+10*	*12+12*	*15+15*	*19+19*
See 'Lomax System Outdoor Configurator' for full range of options							

Double Stack Safety Rod Requirements

CRITICAL REQUIREMENTS



10MM THREADED ROD REQUIRED FOR REAR WEIGHT STACK – SEE PAGE 4 FOR MORE DETAILS

ROD GOES TOP TO BOTTOM THROUGH WEIGHTS

INSERT ROD THROUGH DOUBLE POST AND REAR STACK OF WEIGHTS

NOTE: ONLY 1X ROD REQUIRED PER REAR STACK OF WEIGHTS



SAFETY ROD HEIGHT GUIDE	
QUANTITY OF COUNTERWEIGHTS STACKED UP	**SAFETY ROD LENGTH REQUIRED FOR REAR STACK OF COUNTERWEIGHTS (M)**
3+3	*0.3*
4+4	*0.35*
5+5	*0.4*
6+6	*0.45*
7+7	*0.55*
8+8	*0.6*
9+9	*0.65*
10+10	*0.75*
11+11	*0.8*
12+12	*0.9*
13+13	*0.95*
14+14	*1*
15+15	*1.1*
16+16	*1.15*
17+17	*1.25*
18+18	*1.3*
19+19	*1.35*
20+20	*1.45*

SAFETY PRECAUTIONS / CHANGES OF ENVIRONMENT

As the purchaser and responsible installer of the various components of the 'Lomax System' it is paramount that due consideration is given to the location of any installation and that the appropriate system configuration deployed is fit for purpose. This consideration should include not only the existing location being considered but also any potential changes to that location that may occur during the lifecycle of the installation. **FOR EXAMPLE:** If a hoarding is being installed into an indoor location with the correct system configuration, then proper consideration should be made to understand if any 3rd party or external factors may be altered during the hoardings' lifecycle that may possible expose the hoarding to outdoor wind pressures. As an example, these changes could include removal of external walls or activations of base build exhaust systems and as such these additional factors should be considered when selecting the correct system configuration. The purchaser and installer are the responsible party to consider these factors so as to select the correct system configuration for existing and possible future site conditions.

GENERAL TERMS AND CONDITIONS

HOARDING: The intent of this document is to clearly describe and illustrate the build process and structural certification parameters of the various indoor and outdoor modular configurations for the Lomax System. Particular attention should be given to the screw type, screw spacing required and correct configuration selection based on both existing location factors and possible changes to those factors (such as wind impacts).**GENERAL:** By signing this Technical Guide, you as the purchaser and responsible installer confirm your understanding of the details within and acknowledge that any variation ensures that pre-certified compliance no longer applies.

For any additional information or further details on system features, suitable configurations, product info please contact Lomax System Pty Ltd directly.

YOUR NAME:

COMPANY NAME YOU REPRESENT:

PLEASE SIGN HERE IN FULL

DATE

to acknowledge you have read and understood this document and that you will ensure that all staff, contractors or associated parties of the company you are representing will act in accordance to this document