



Stafford Bridge

ISO POD SECURE ROOM

NPSA TESTED & APPROVED



ARMOURY



COMMUNICATIONS



DATA STORAGE



MOBILE LABS



SECURE ROOM

MODULAR SOLUTIONS

- Mobile data storage
- Weapons racking for armoury storage
- Infield laboratory
- Desks and other secure work stations
- Climate controlled internal environment designed to protect vulnerable or high value assets
- Stores issue door and caging available

WALLS

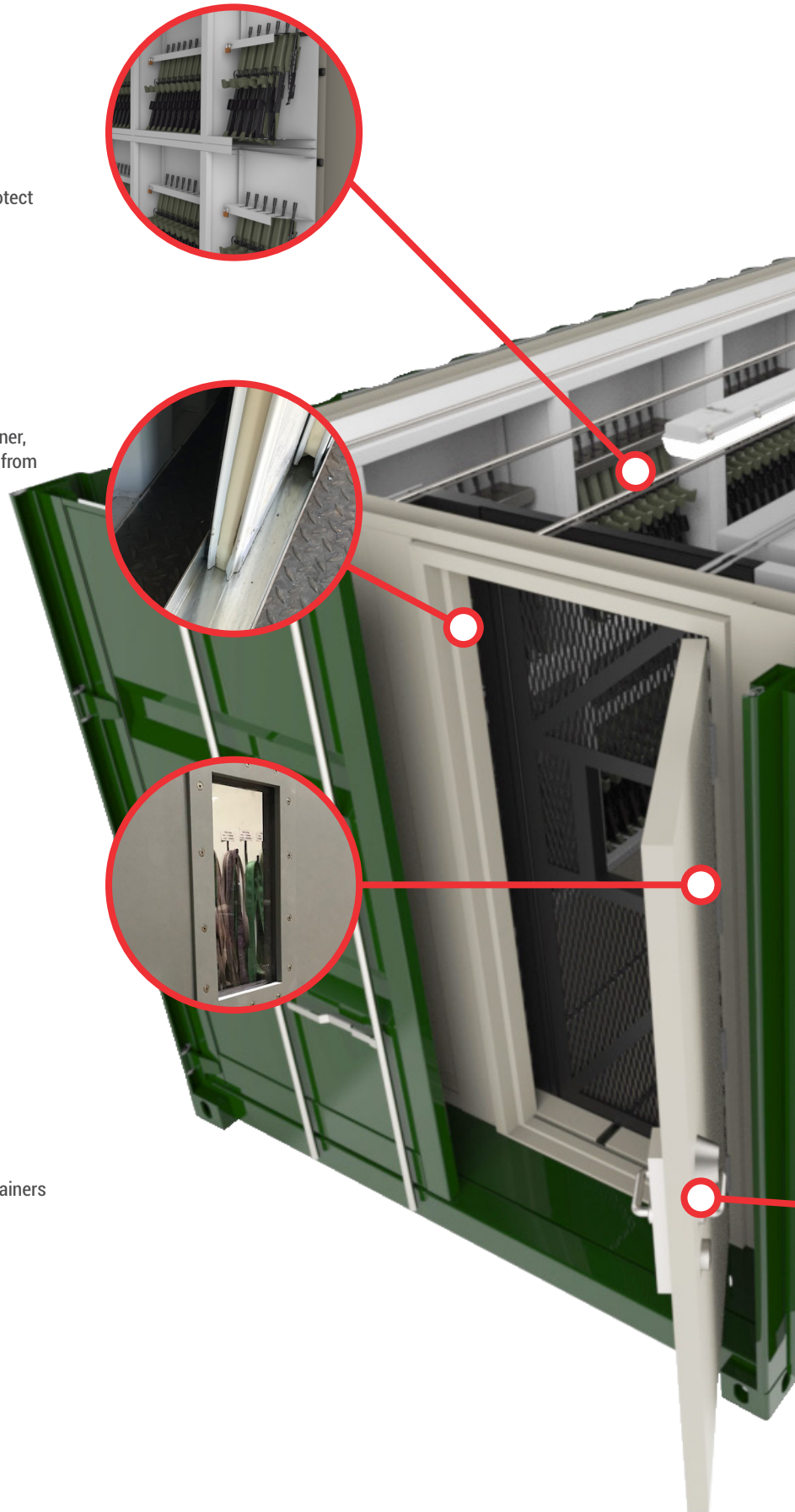
- High security walling surrounds the inside of the container, providing thermal insulation and a protective 'skeleton' from Physical attack
- Suitable to protect against Ballistic attack
- Tested to protect against fire

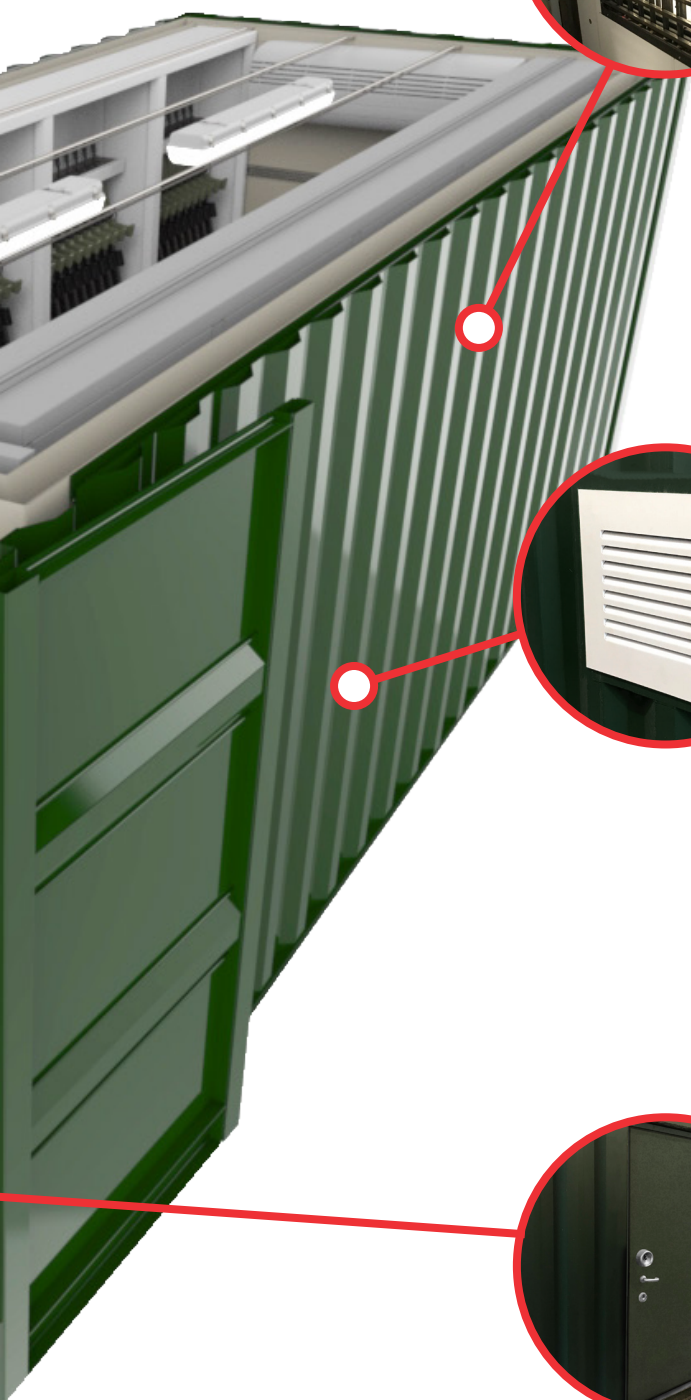
VISION PANELS

- Can be fitted to allow a visual prior to entry or exit
- Vision panels available and approved to LPS 1175
- Tested with the doorset to meet Physical, Ballistic and Blast standards
- Door viewers available

CONTAINER

- Standard ISO dimensions available for 20ft or 40ft containers
- Lifting points mounted to the top side of the container
- Suitable for transport by Air, Sea and Land
- All power and ventilation penetration points included in the NPSA physical attack testing





WINDOWS

- Fixed directly into the walling
- Can be made to required size
- Secure against Physical, Ballistic, and Blast attacks
- Part of original tested configuration



LOUVRES

- High security louvres designed to protect air conditioning and ventilation systems, while allowing for airflow
- Bolt through installation to walling system
- Ideal for Data Centre, Generator rooms, or other temperature controlled environments
- Tested and to meet NPSA or LPS 1175



DOORS

- Stafford Bridge Whitehall 2016 supplied as standard for single or double door applications
- Flexible positioning of entry/exit doors
- Complete installation including fixing arrangement tested as part of the NPSA approval
- Security tested to NPSA, US DOS FEBR, LPS 1175
- Fire tested for 60 minutes to BS 476 pt 22 rating FD60 & EN 1634-1
- Ballistic rating BS EN 1522 FB6 resistant to 7.62 x 51 NATO FJ/PB/HC
- Blast performance data available
- Tested and approved to meet NPSA standards
- Part of original tested configuration

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HIGH SECURITY DOORSET

The WHITEHALL 2016 doorset has been developed to resist pre-planned professional attempts at forced entry of high risk government or commercial premises, with no regard to noise, using a wide variety of mains powered tools.

DOOR SPECIFICATION

DOOR LEAF

Contact NPSA for further details.

DOOR FRAME

Mild steel selection with hardwood infill.

HINGES

Minimum 4No. Surelock McGill
S2- HA7 stainless steel hinges per leaf
to EN1935:2002.

HINGE BOLTS

5 No. Surelock McGill S-8375 per leaf.

LOCKING SYSTEM

Surface-mounted Surelock McGill three way solent system with 25mm stainless steel bolt ends all as tested and certified.

VISION PANELS

NONE – Contact NPSA if required

FINISHES

Doors can be supplied in a variety of finishes including:

Full gloss paint finish to BS or RAL colour specification

Timber Veneer (Door leaf only)

Plastic Laminate (such as Formica)

Acrovyn

Stainless steel fully welded

ENTRY OPTIONS INCLUDE

Combination locking including government preferred combination locks

Key & Lever

Access control with key override

EXIT OPTIONS INCLUDE

Thumbturn and lever handle

Access control with thumbturn override

Out of hours lock down via thumbturn (when locked down) or emergency lever handle (when occupied and not in lock down mode)

DOORSET DIMENSIONS

DOOR TYPE	OPENING DIRECTION	STRUCTURAL OPENING HEIGHT	STRUCTURAL OPENING WIDTH
Single	Outward	2110mm	1000mm
Double	Outward	2100mm – 3000mm	1800mm – 2200mm

FIRE RESISTANCE

DOOR THICKNESS	FIRE RESISTANCE	LOCKING POINTS	DOOR TYPE	S/O MAX HEIGHT.	S/O MAX WIDTH
57mm	EN 1634-1	3	LSASD	2110mm	1000mm

DOOR SPECIFICATION

CQR – FC508 Flush grade 3 contact

Elmdene VS303 High Security Contact

CE MARKING

External doorsets are CE marked to EN14351-1:2006 + A1:2010

For further information and latest copies of the DoP's (Declaration of Performance) visit our website at www.staffordbridge.com



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SECURITY VENTILATION LOUVRE

The Stafford Bridge range of Security Ventilation Louvres have been developed to meet a growing demand for a product that meets the stringent test criteria to meet NPSA and LPS 1175 while providing a functional and aesthetic means of ventilation.

TYPICAL APPLICATIONS

- Server rooms
- Generator rooms
- Air conditioning systems
- Sub stations
- Chemical storage
- Nuclear power stations
- ISO POD containers

TECHNICAL INFORMATION

- Construction – Heavy duty steel or stainless steel
- Anti drill and anti cutting back plate detail
- Sandwich style fixing detail
- NPSA tested size – 400mm x 400mm – 500mm x 900mm
- Finish – As standard powder coated grey/white leatherette or alternatively in a colour of your choice

PANEL SIZES

WIDTH (mm)	HEIGHT (mm)	AIRFLOW %
400	400	15%

LPS 1175 standard size to suit a 400mm by 400mm clear opening. Louvres to suit clear openings between 125mm by 125mm to 900mm by 900mm available on request. Arrays of multiple units are available when using the Max-Air framing system.

Air flow percentages are rounded down to the nearest whole number.
Air flow calculations should be considered as guide only.

400mm x 400mm (0.4m x 0.4m) UNIT

Structural opening in wall (SO) = $0.4 \times 0.4 = 0.16\text{m}^2$

Louvre opening width (L) = (structural opening width - 0.068) = $0.4 - 0.068 = 0.332\text{m}$

Number of Louvred openings (N) = ((structural opening height - 0.12 / 0.04) + 1) = $(0.4 - 0.12 / 0.04) + 1 = 8$

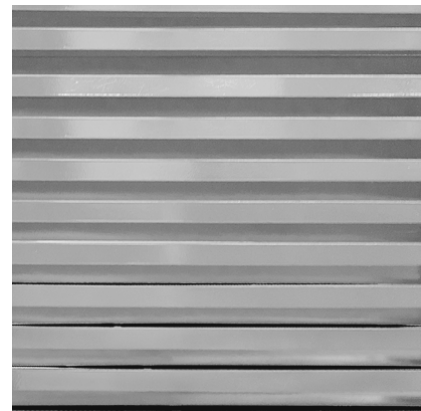
Airflow factor (A) = 0.00651375

Louvre free area (FA) = $L \times N \times A = 0.332 \times 8 \times 0.00651375 = 0.01730052\text{m}^2$

Area of slotted zone (SZ) = (Louvre opening width (L) x (Number of Louvred Openings (N) x 0.04 + 0.02)) = $0.332 \times (8 \times 0.04 + 0.02) = 0.332 \times 0.34 = 0.11288\text{m}^2$

Free airflow percentage = $FA/SZ = 0.01730052\text{m}^2 / 0.11288 = 15.3\%$

Note: The value on the examples is based on air figure constant and does not include any type of mesh.



OPTIONAL ENHANCEMENTS

- Accelerant protection – Internal stainless steel mesh shield with bevelled run out.
- Vibration alarm – Sensor connected to louvre blade.
- Cover fixings.

KGS
LBS
KGS
LBS
KGS
LBS

33.2 CU.M.
1.172 CU.FT.

ADAPTRON





Stafford Bridge

Address

Stafford Bridge
Bedford Road
Pavenham
Bedfordshire
MK43 7PS

Telephone

+44 (0) 1234 826 316

Web

www.staffordbridge.com

Email

sales@staffordbridge.com