



ACOUSTIC ENCLOSURE

Specialist Acoustic Applications

from Mansfield Pollard



unconditional **QUALITY**

INDEPENDENTLY TESTED SOLUTIONS

We recognise the importance of independent product validation and have invested heavily through our R&D department in extensive testing with some of the leading acoustic centres in the Country. All our products are continuously tested in the field to refine our acoustic modelling software.



University of
Salford
MANCHESTER

UNIVERSITY OF
Southampton



CE ACCREDITED STRUCTURAL STEELWORK

All fabricated structural steelwork from Mansfield Pollard is quality, safety and reliability guaranteed from accredited CE welding certification.

In accordance with BS EN1090-1, Mansfield Pollard are accredited to execution class 2 with all MIG welders fully coded & EN15614 certified.

UNCONDITIONAL QUALITY...GUARANTEED

“

Our fully welded acoustic enclosures retain all the quality you would expect from a Mansfield Pollard product combined with limitless customisations and a highly competitive price point.

specialist acoustic applications

EFFICIENCY AND SCALABILITY

“Innovative construction methods and agile workflows accelerate the build to meet even the most demanding leadtimes.”



INTEGRATED MANAGEMENT SYSTEMS

Mansfield Pollard's management systems consist of a framework that combines all aspects of quality (9001), environmental management (14001) and occupational health & safety (45001) with the sole purpose to streamline and improve company performance. by establishing consistency throughout the organisation and optimising internal processes and resources, resulting in a positive impact on quality, safety, risk and productivity.

Mansfield Pollard's new containers combine the speed and efficiency of pre-fabricated acoustic pod manufacture with a tailor made robust, fully welded outer shell. The result is an enclosure of unconditional quality with unlimited levels of customisation all with a highly competitive price point.



FULLY WELDED

Improved structural stability and guaranteed weatherproofing



SCALABLE

Modular transposable pod construction for maximum scalability.



MULTI-PRODUCT

Symbiotic product and services lines including energy controls and ventilation systems,

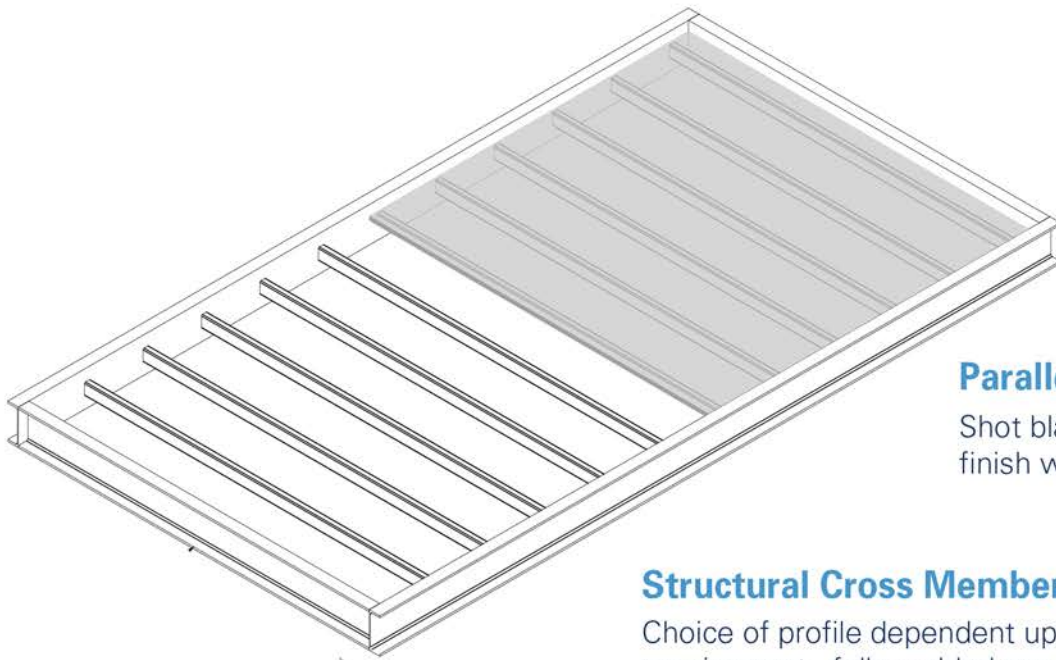


VALUE CREATION

Processing efficiency & speed of fabrication means a very competitive price point.

fully **BUNDED BASE**

Each load bearing base is structurally engineered and fully welded and banded to any required specification



Parallel Flange Channel

Shot blasted and painted to required finish with integrated lifting points.

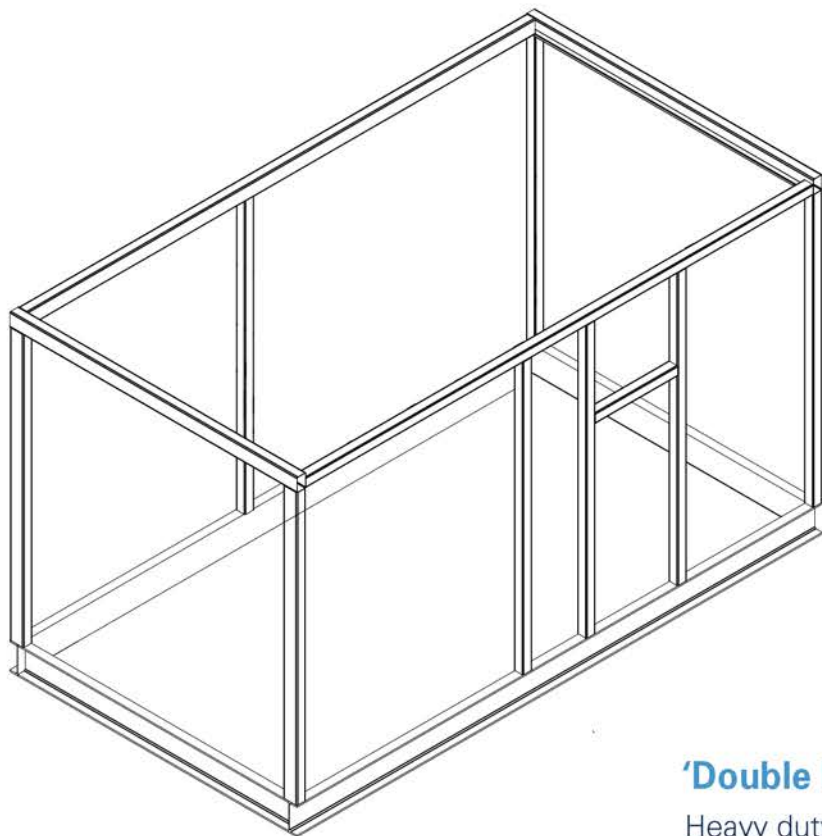
Structural Cross Members

Choice of profile dependent upon specification and requirement - fully welded approx every 300mm with a bitumastic protection coat to the underside

Banded Base

Fully seam welded durbar steel banded base complete with internal runners to install / mount engine

durable FRAMEWORK



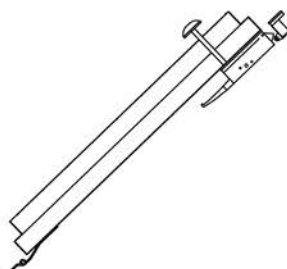
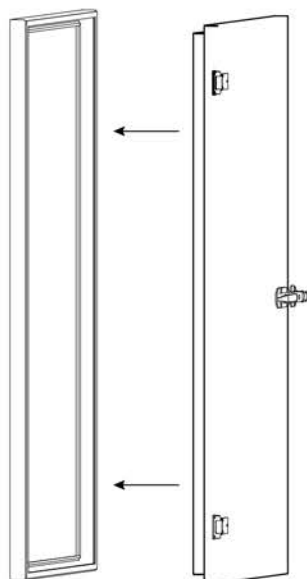
Fully Welded Frame

Mild steel box section, shot blasted and primer painted - seam welded for maximum structural integrity

'Double Leaf' Acoustic Door

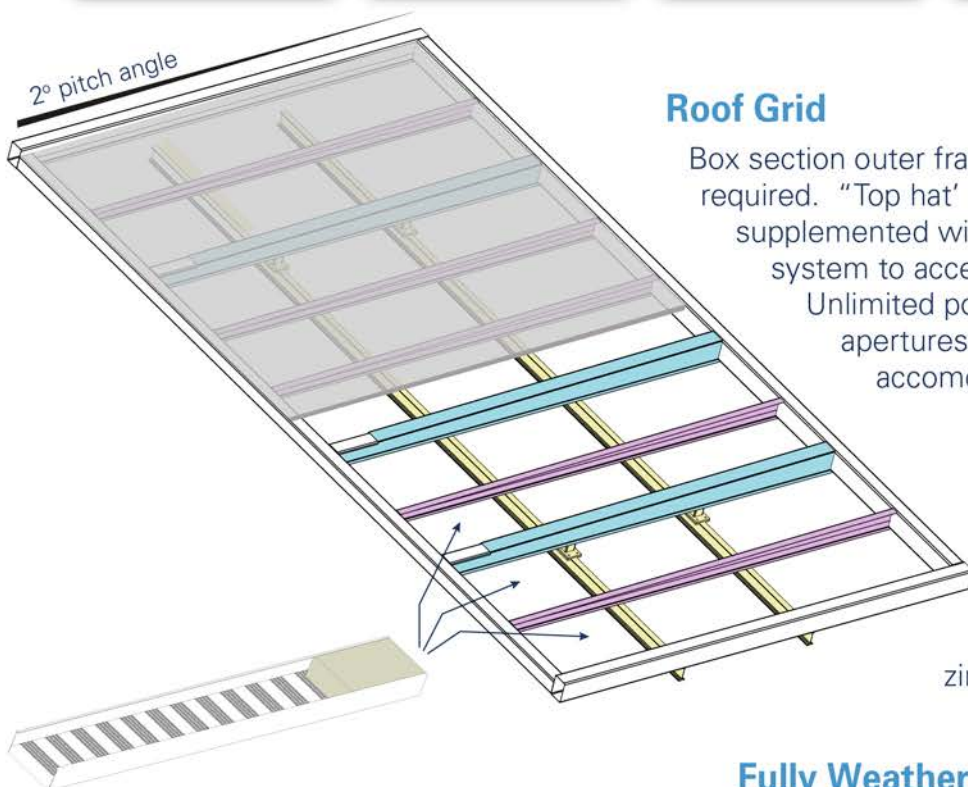
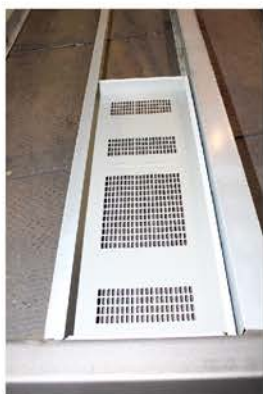
Heavy duty and fully welded in bespoke jigs to achieve a flatness of up to 1.5mm. Our unique twin seal mechanism ensures the doors are able to achieve equal or greater acoustic properties as the surrounding pod walls.

Full range of stainless steel door hardware available including stays.



grid system ROOF PODS

A fully weatherproof and highly efficient roof pod system with limitless customisation options.



Roof Grid

Box section outer frame with structural cross members as required. "Top hat" profile sleeves (over box section) are supplemented with stand-alone Z purlings create a cradle system to accept pre-fabricated ceiling pods.

Unlimited potential for customisation including apertures for exhaust upstand and facility to accommodate lifting beams where required

Ceiling Pods

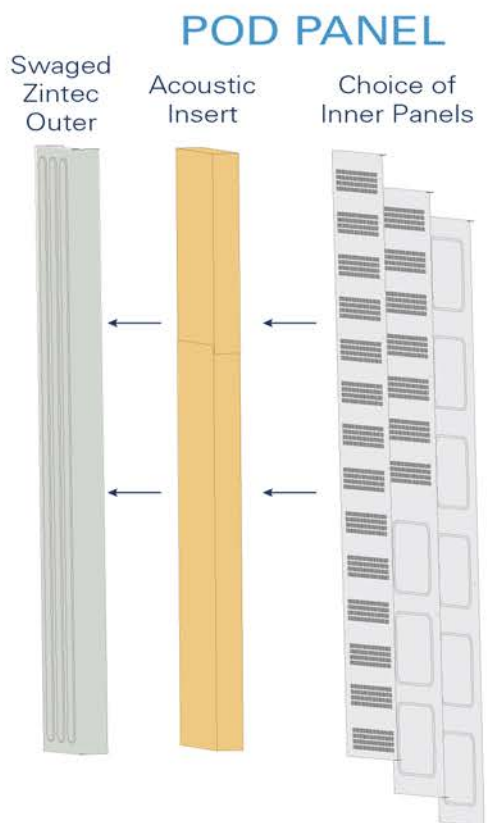
Pre-fabricated 600mm single skin inner pod holds acoustic material and is enclosed by fully seam welded swaged zintec outer with a 2° pitch angle.

Fully Weatherproof

Zintec roof panels fully seam welded to maximise structural integrity and ensure enclosure is fully weatherproof.

pre-fabricated POD PANELS

Pre-constructed wall pods accelerate the build and combine guaranteed acoustic properties with multiple customisation options

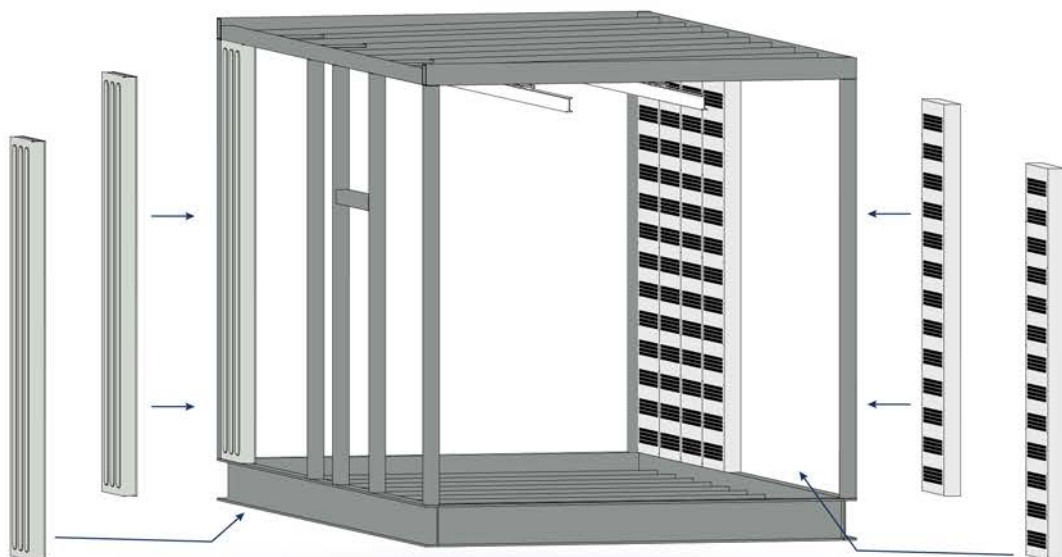


Performance Responsive

Multi-design options for panel structure including panel thickness, acoustic lining and panel material. Plain mounting point areas for internal components and option for corrugated / cnc formed outer skin

Operationally Flexible

Direct pod to pod stacking for oversize containers, removable front panel face and replaceable pods. Fully seam or stitch welded



iso compliant COATING

Professional ISO compliant coating protection available to suit any specification and in a full range of RAL colors.



C1

OFFICES

Low demand
clean atmospheres

2-5 years

C2

WAREHOUSE

limited contamination
condensation may occur

C3

FOODSTUFF
PLANTS

Industrial & urban areas
high humidity

5-15 years

C4

SWIMMING
POOLS

Areas of medium salinity
moderate SO₂ pollution

C5-I

High industrial contamination
aggressive atmosphere
constant condensation

15+ years

C5-M

high salinity
aggressive atmosphere
inshore & off-shore

RAL1015

light ivory

RAL1023

traffic yellow

RAL2004

pure orange

RAL5012

light red

RAL5015

very blue

RAL7016

anthracite gray

RAL7024

graphite gray

RAL7035

light gray

RAL9002

gray white

RAL9003

signal white

RAL9005

jet black

RAL9006

white

RAL9010

pure white

in-house M&E CUSTOMISATION

Full mechanical and electrical enclosure customisation maximises quality control and provides exceptional value



In-House Controls

Full design, manufacture and testing of control panels from our in-house controls team. From single panel builds to full turn-key projects our software programmers and experienced panel builders are specialists in automation and control.



Component Options

Extensive choice of customisable components, designed, manufactured and installed in-house to suit the application and specification. Popular component items listed below (please note this not an exhaustive list)



Attenuator sections



Air conditioning, fans & filters



Electric lights sockets and trunking



Smoke detectors, fire & burglar alarms



Dampers / gravity flaps



Gland plates / pipes / pipe sleeves

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