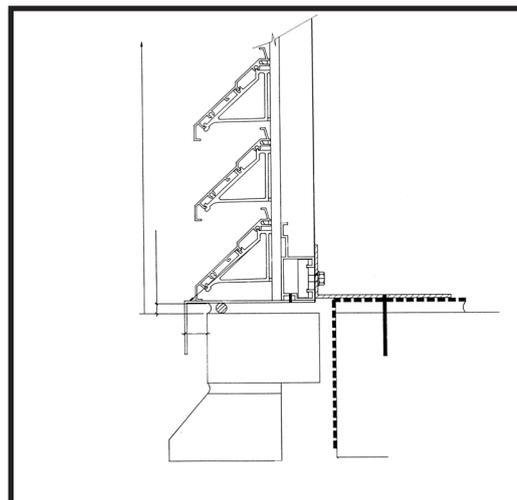
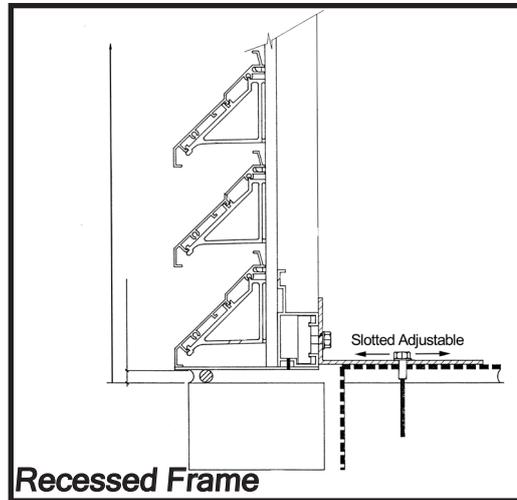


Matrix III Louvre System for Supply and Extract

TEK Matrix III Louvre system has been developed over a long period of time to provide a unique solution to either freestanding screens or louvres built in to brickwork, blockwork or cladding. The heart of the system lies in its rear framing channels. Dependant on the size of the louvres, these units can be bolted together at our factory and then clad with a choice of blades, secured on to Marlan blade holders.

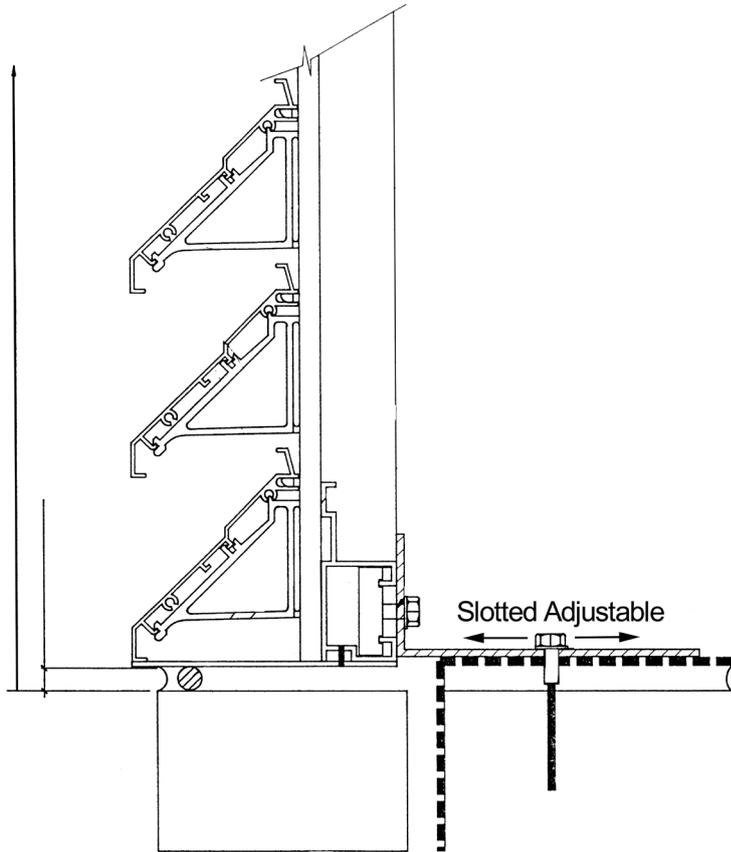
The advantage of this system is that individual rear channels interlock to provide increased strength, so allowing the system to span greater distances dispensing with a large amount of the normal proprietary steel work required to fix large louvres or screens.

The units also incorporates the unique feature that when combined with Alfas or similar sealing tapes recessed in to a purpose designed rear channel., this enables the louvres to be totally blanked and vapour sealed with a combination of either standard flat coloured blanking plates or Plastisol sheet, thermal single or double faced CFC free insulated sheets or factory constructed acoustic blanking panels of specific dB rating. No welding is required on this system and as such additional rear supports for duckwork connection or figment of range of accessories such as balancing dampers, pressure flaps or fire dampers can be added at a later date. There are absolutely no limitations on the overall size of louvres that can be achieved using this system. Doors hidden or visible can be added as required. Our Company offers a full site survey, design and drawing facility for each and every individual project. A large range of typical details are standardised on our CAD database and can be offered along with typical elevation drawings early on in a project to provide solutions where louvre systems meet cladding and walling sections. Full structural calculations for this system are also available. The following pages show details of alternative head and cill treatments and how individual panels are bolted together both on the vertical and horizontal access.



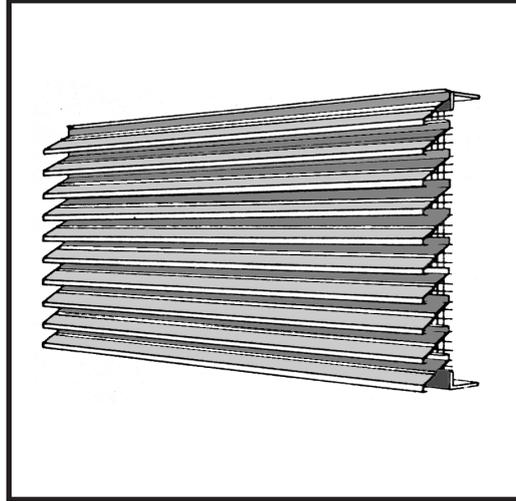
Matrix III Louvre System Fixing Method

Typical Installation Of A Recessed Frame
Louvre Showing Tek's Slotted & Adjustable
Fixing Bracket



Matrix III Louvre System

TEK produce a range of flat, angled and 'L' shaped fixing brackets. A combination of which combined with uninuts can be used to fit the system either to horizontal or vertical sections as required. Often the system can be fitted with no drilling due to the use of unistruct type beam clamps. This total system can either be totally factory manufactured or alternatively, rear frames manufactured at our factory and blades fitted on site. The system has been designed so that individual blades can be coated in different colours or signs or other architectural details fitted to the front. For instance, the names of hotels or Company's can be easily attached to the front of the system



Specification and Construction:

All Aluminium sections are HE9TF, rear clamping brackets are 6mm galvanised steel with plated uninuts. Patent applied for Marlan Blade Clips are located in an anodised channel and can be varied in space to suit any required pitch.

Sizes:

There are absolutely no limitations for the width, height or depth of this system.

Finish:

Full range of Epoxy Powder Coatings suitable for external mounting is available. These are applied as a Aluchrome pre-treatment to give a guaranteed life expectancy of 10 years for semi-gloss applications and 12 years for gloss. A full written guarantee is available on request. Other PVF2 Syntha Pulvin and anodised treatments are also available at varying costs.

Alternative Designs:

Please apply to our Birmingham Head Office for photographs and typical details of previously completed projects.

Fixing:

Full fixing instructions are required with each installation via a Method Statement. The units are available either for customer fixing or we will provide an individual site survey and fixing quotation as required.

Matrix III Louvre System Fixing Method

No Diagram available at time of print