

A photograph of a modern ceiling system featuring a grid of square panels. The panels are illuminated from below, creating a warm, yellowish glow. The grid is composed of dark, possibly black, metal or aluminum frames. The ceiling is set within a recessed area of a dark ceiling, with several recessed spotlights visible around the perimeter. The overall aesthetic is clean and architectural.

**Fricker Ceiling Systems**

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**formally known as**

**ALUMINIUM CEILING SYSTEMS**

# SECTION PROFILES

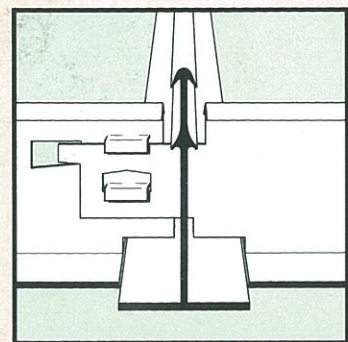
SECTIONS FULL SIZE



MRFF23AF.?-72

CRFF23AF.?-72

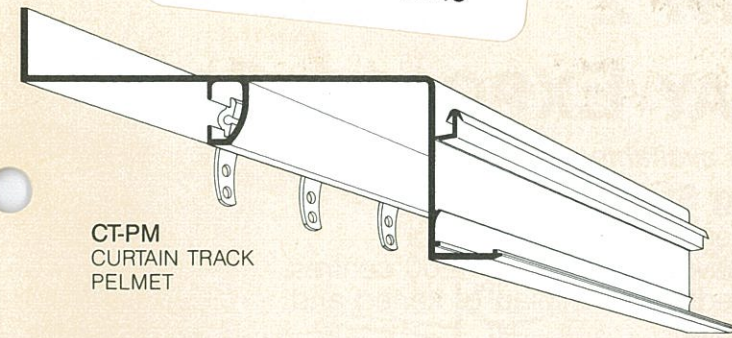
# SYSTEM 1 FLUSH FACE EXPOSED GRID



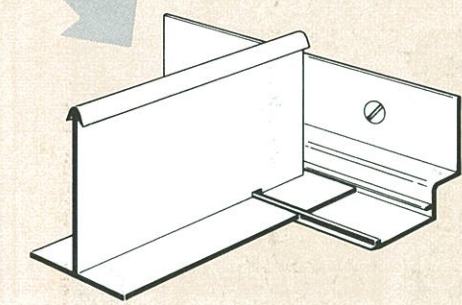
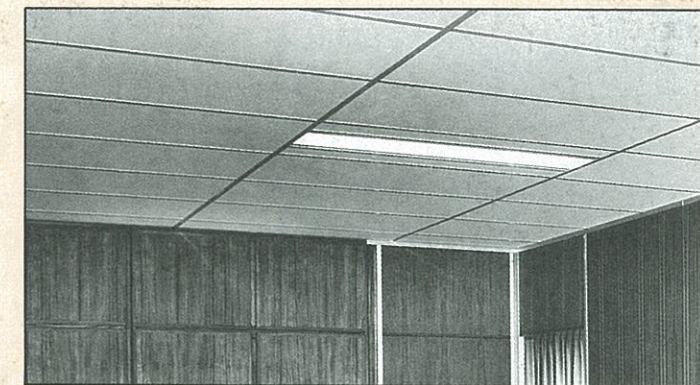
CROSS RUNNER CONNECTION  
FLUSH FACE WITH BUTT JOINT

MRFF23AF.?-72 & CRFF23AF.?-72

No Longer Available

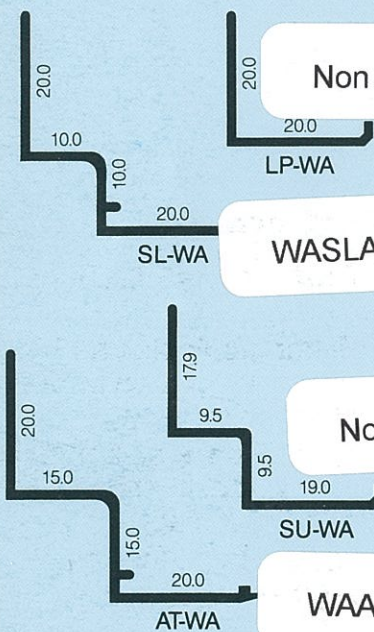


CT-PM  
CURTAIN TRACK  
PELMET



MAIN AND CROSS RUNNERS  
INTERLOCKING TO WALL ANGLES

## WALL ANGLES



Non stock item

WASLAF.1-71

Non stock item

WAATAF.1-71

MM-SC



NB-SC

No Longer Available

### SUSPENSION CLIPS

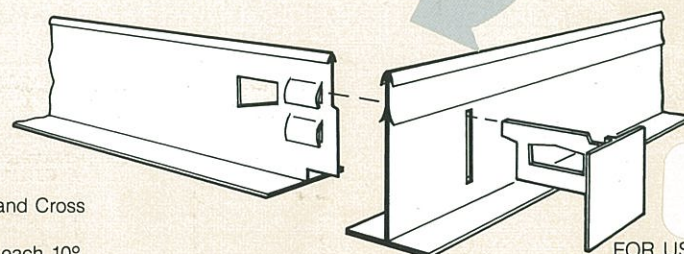
MM-SC Millimeter suspension clip —  
Steel clip for use with 5mm steel rod.  
NB-SC Nut and bolt suspension clip —  
Lock nut and threaded rod.  
Suspension of system is recommended at  
1200 x 1200 centres.

JCF.1-72



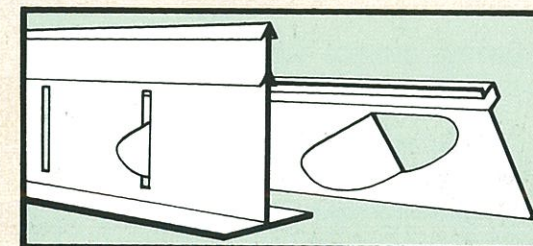
MR-JC

DELCAF.1-70



FOR USE WITH  
LF-CR

CROSS RUNNER TERMINATION CLIP  
AT LIGHT FITTING.



BUTT JOINING OF MAIN RUNNER

## Features

- Flush Face for flush jointing.
- Recessed lights can be positioned in centre or side of modules.
- Cross Runners can be removed and relocated without damage.
- Lock nut suspension.
- Steel rod and spring suspension.
- Interlocking wall angles — available in many designs.
- Surface finish of durable white Polyester Powder coating. Special anodised finishes are also available.

This table applies to all systems

SUSPENSION AT 1200x1200	SUSPENSION AT 1200x600
To support material not exceeding 10.7 Kg/sq.m. Plus allowance to support light fittings of 10 Kgs. adjacent to suspension point.	To support material not exceeding 17.1 Kg./sq.m.

Suspension over 1200mm — use BYKS up to 2m span, limited by deflection of 1/360th of the span.

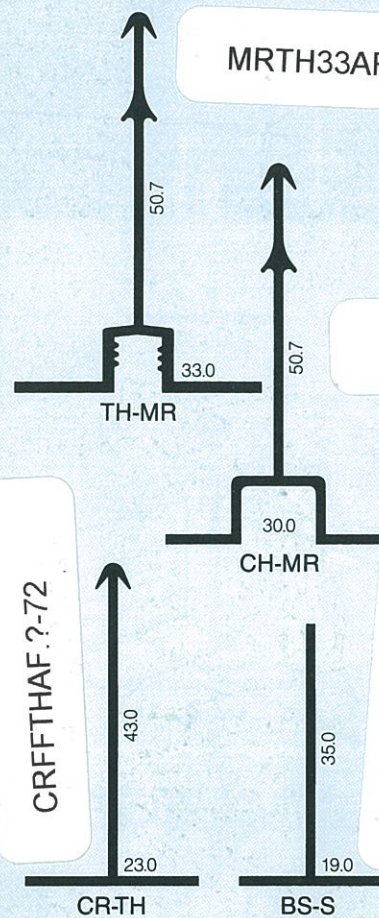
Length Tolerance: Main and Cross runners  $\pm$  .250mm.

Thermal Expansion: For each 10° celsius an expansion of .02mm per metre occurs.

Extrusion Tolerance: Standard aluminium tolerances apply. Applicable to all systems.

# SECTION PROFILES

SECTIONS FULL SIZE



# SYSTEM 2 ONE-WAY EXPOSED GRID

Range of bracing available:  
**Channel Bracing Strut** —

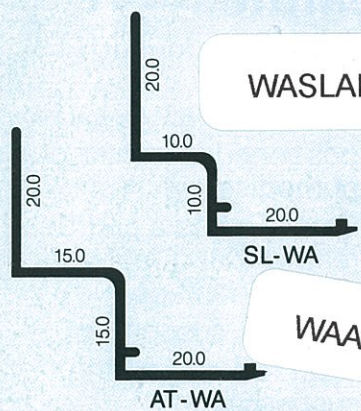
Fitted with spring end clips, these form a continuous line above the ceiling at 1200 centres. System can be fitted in the shiplap or kerfed and cut back panels.

**Blind Strut Spline** —

Passes through prepunched modular slots in the runners to brace the runners together for the kerfed mineral fibre panels. Kerfed and cut back panels can only be fitted by using an access panel to each module.

No Longer Available

## WALL ANGLES



This table applies to all systems

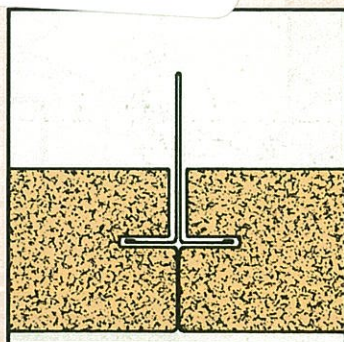
<b>SUSPENSION AT 1200x1200</b> To support material not exceeding 10.7 Kg/sq.m. Plus allowance to support light fittings of 10 Kgs. adjacent to suspension point.	<b>SUSPENSION AT 1200x600</b> To support material not exceeding 17.1 Kg./sq.m.
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Suspension over 1200mm — use B-YKS up to 2m span, limited by deflection of 1/360th of the span.

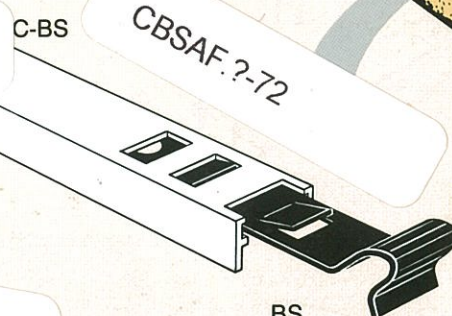
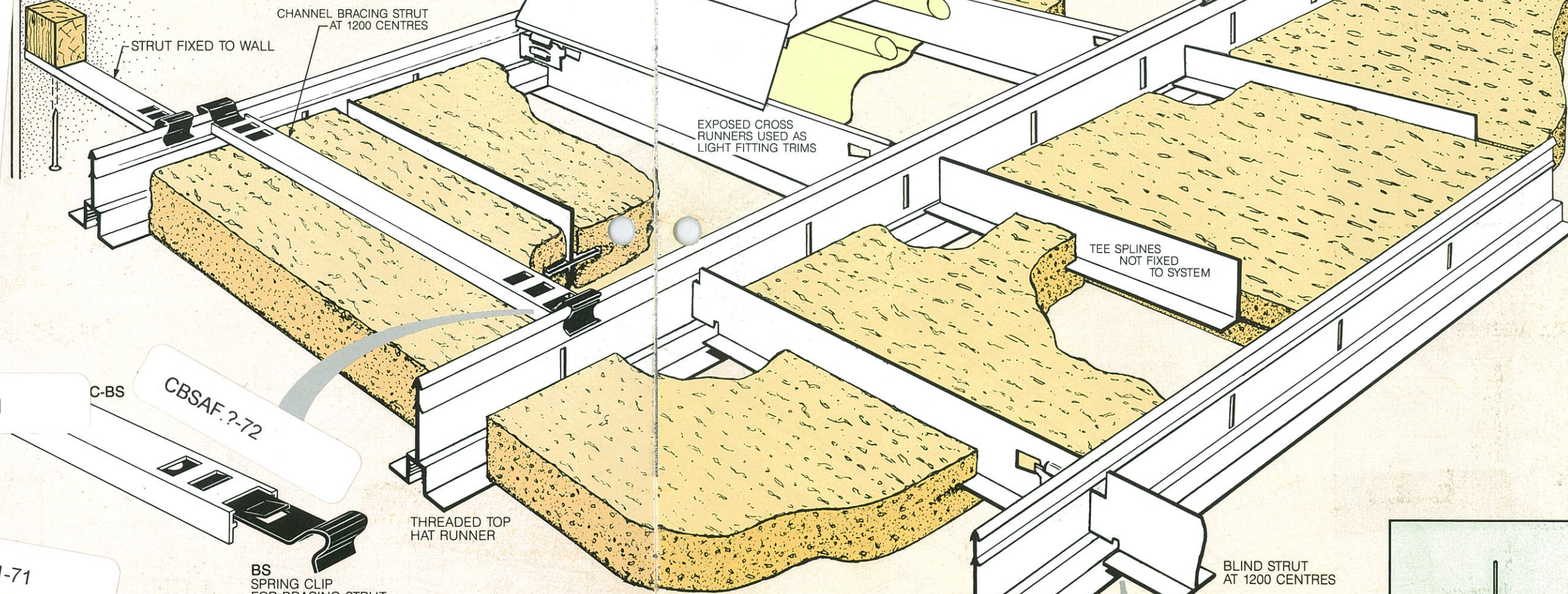
**Length Tolerance:** Main and Cross runners ± .250mm.

**Thermal Expansion:** For each 10° celsius an expansion of .02mm per metre occurs.

**Extrusion Tolerance:** Standard aluminium tolerances apply. Applicable to all systems.

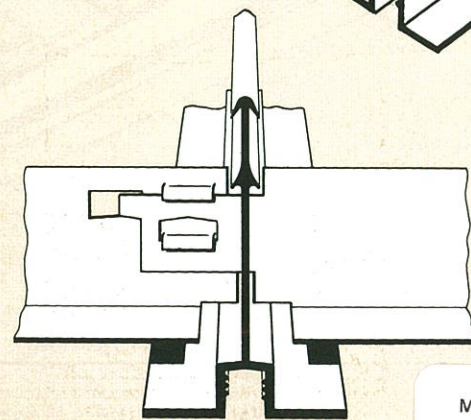


CONCEALED SPLINE



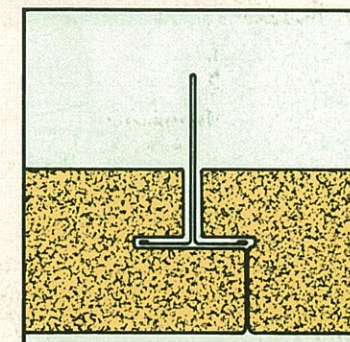
BS SPRING CLIP FOR BRACING STRUT

CLCBSSF.1-70



**BLIND STRUT JOINING SYSTEM**  
 Blind Strut Spline is punched from aluminium tee section and used as a bracing strut and spline.

MRTH33AF.?-72 & SPBSAF.?-72

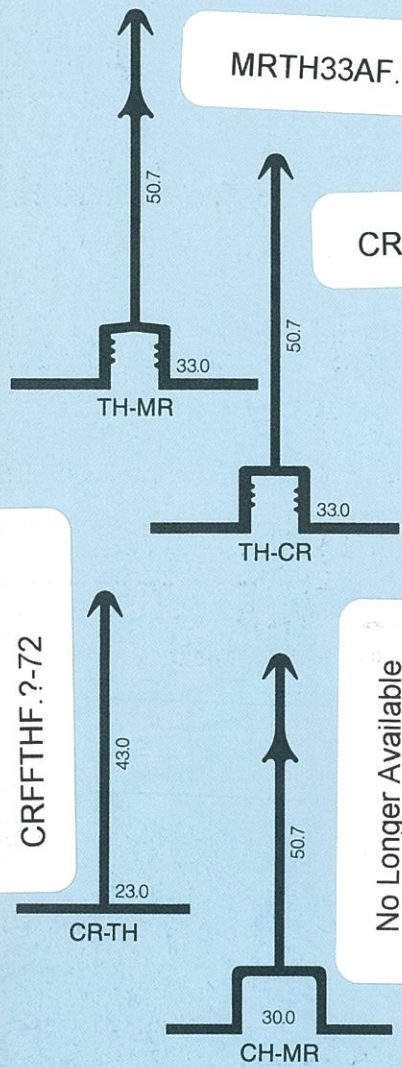


CONCEALED SPLINE WITH SHIPLAP TILES

SPT.?-70

# SECTION PROFILES

SECTIONS FULL SIZE



# SYSTEM 3 TOP HAT GRIDS

## Modular Top Hat

at Systems manufactured for projects on standard or special modules. This system features main and cross runners with dimensions in the recess in the extrusions appear continuous in both directions.

Flush Faced cross runners can be fitted for the trimming of light openings or used in the centre module to accommodate drop in panels. Alternatively, ceiling panels can be fitted with concealed splines.

**FINISH:** Standard white polyester powder coating or special anodised finishes available.

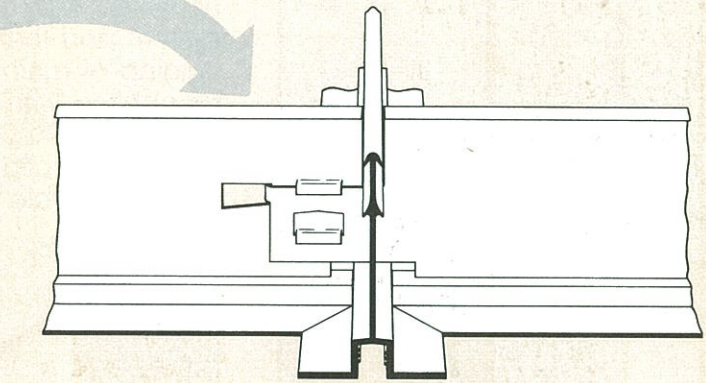
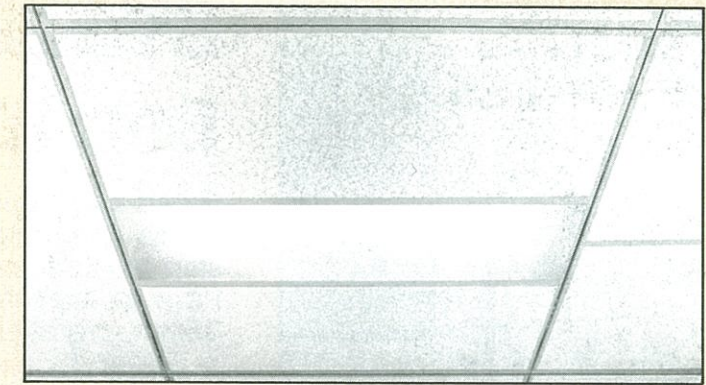
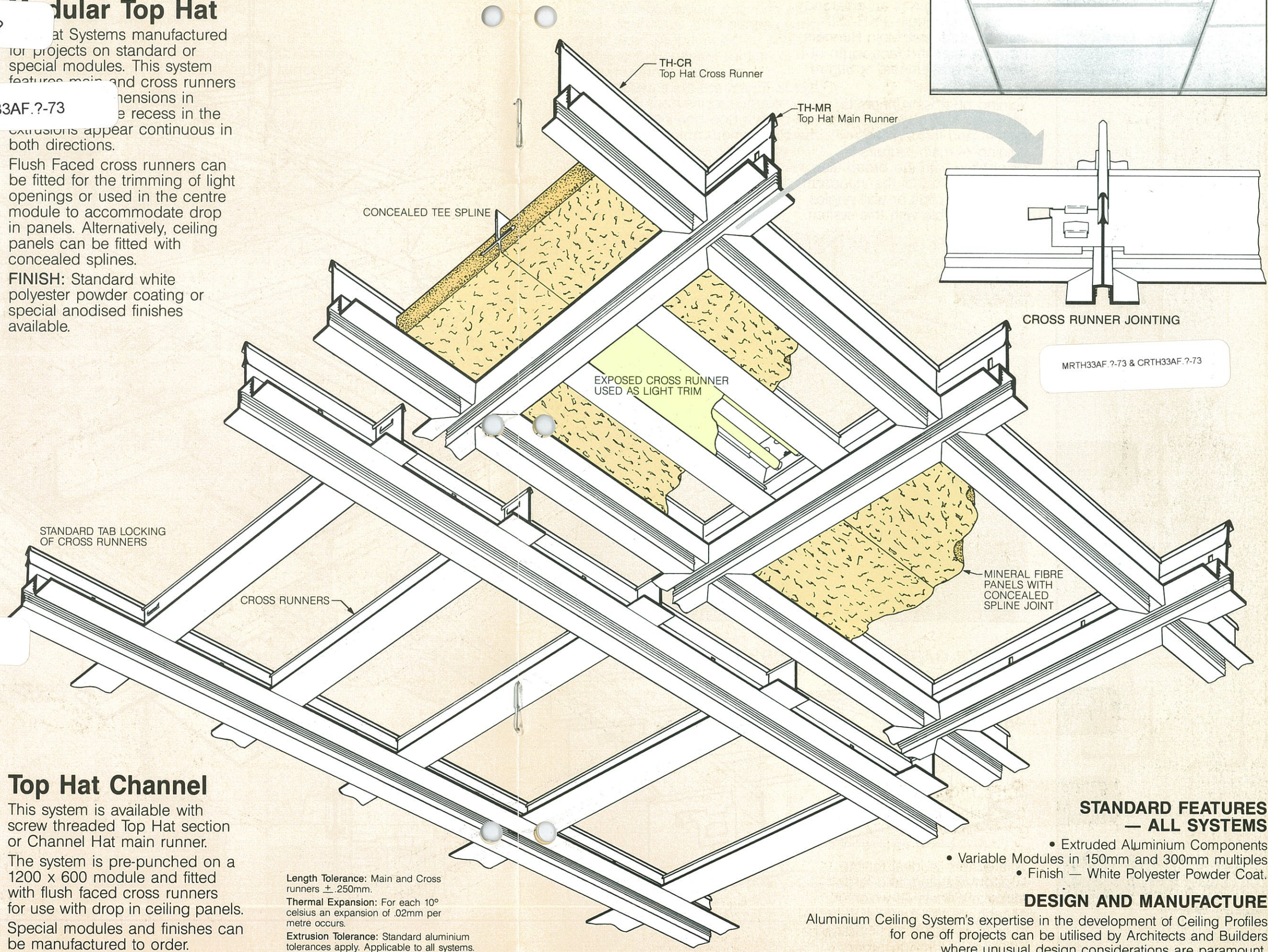
STANDARD TAB LOCKING OF CROSS RUNNERS

## Top Hat Channel

This system is available with screw threaded Top Hat section or Channel Hat main runner.

The system is pre-punched on a 1200 x 600 module and fitted with flush faced cross runners for use with drop in ceiling panels. Special modules and finishes can be manufactured to order.

**Length Tolerance:** Main and Cross runners  $\pm$  .250mm.  
**Thermal Expansion:** For each 10° celsius an expansion of .02mm per metre occurs.  
**Extrusion Tolerance:** Standard aluminium tolerances apply. Applicable to all systems.



CROSS RUNNER JOINTING

MRTH33AF.?-73 & CRTH33AF.?-73

This table applies to all systems

<b>SUSPENSION AT 1200x1200</b> To support material not exceeding 10.7 Kg/sq.m. Plus allowance to support light fittings of 10 Kgs. adjacent to suspension point.	<b>SUSPENSION AT 1200x600</b> To support material not exceeding 17.1 Kg./sq.m.
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Suspension over 1200mm — use BYKS up to 2m span, limited by deflection of 1/360th of the span.

## STANDARD FEATURES — ALL SYSTEMS

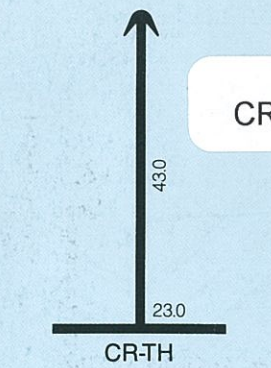
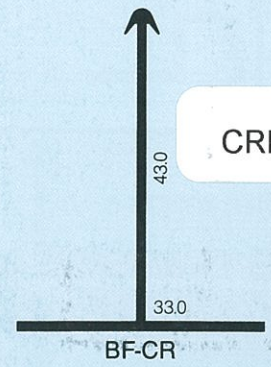
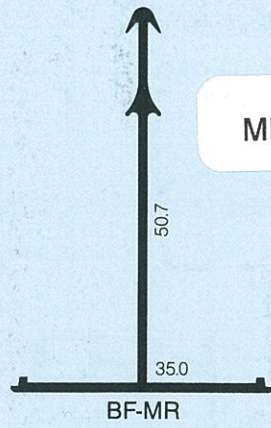
- Extruded Aluminium Components
- Variable Modules in 150mm and 300mm multiples
- Finish — White Polyester Powder Coat.

## DESIGN AND MANUFACTURE

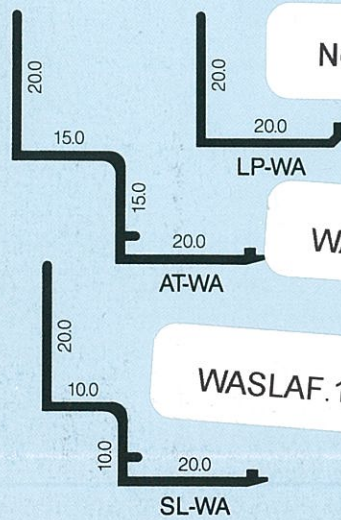
Aluminium Ceiling System's expertise in the development of Ceiling Profiles for one off projects can be utilised by Architects and Builders where unusual design considerations are paramount.

# SECTION PROFILES

SECTIONS FULL SIZE



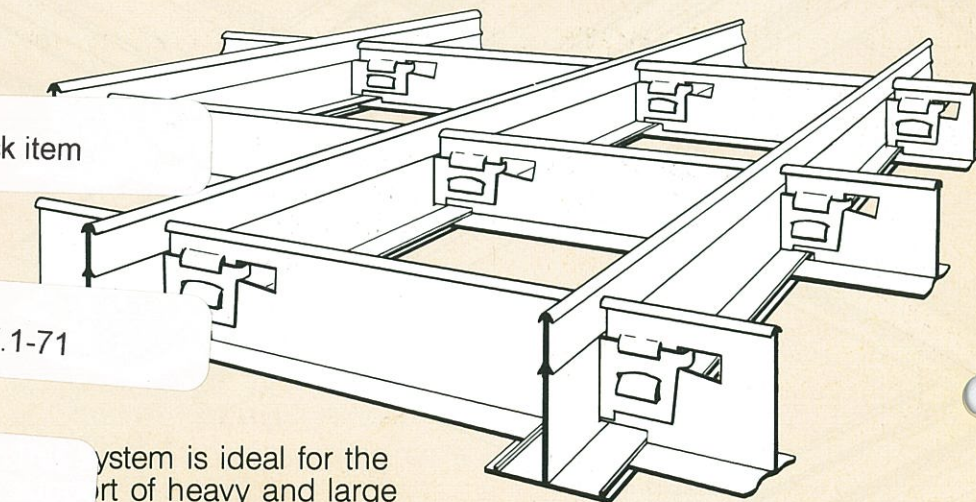
# WALL ANGLES



# SYSTEM 4 BROAD FACE GRID

Broad Face Grid is an enlarged profile of the original KB-253 system. Main Runners are spaced at 600mm centres and cross runners of 33mm or 23mm.

Joining of cross runners is achieved with a Hook-Eye system and locking tab. Joining of main runners is completed with the broad face Joiner clip. Any of the standard suspension clips or wall angles are compatible with this system.

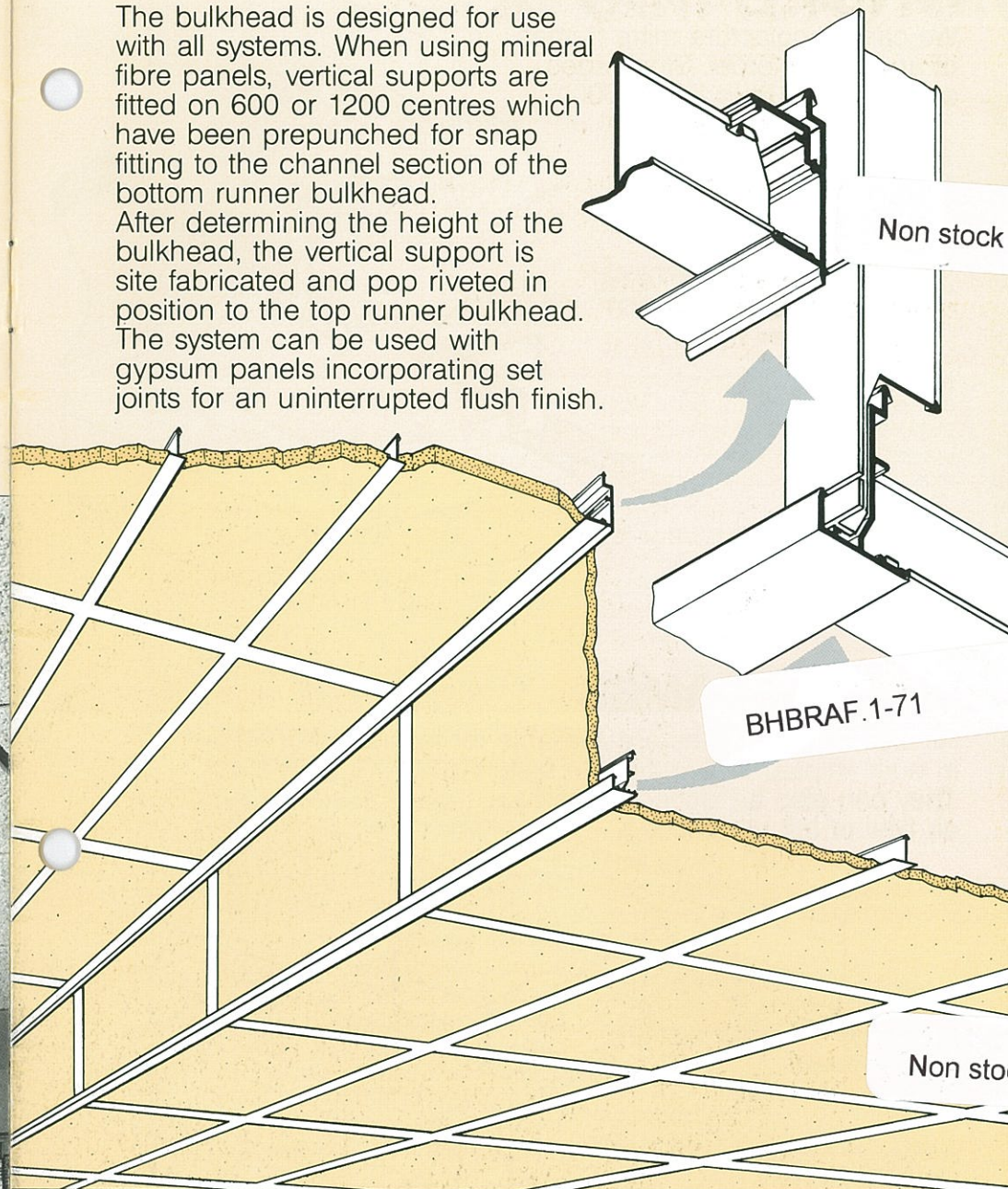


This system is ideal for the support of heavy and large decorative Panels — which accentuate the modular recess created by installing Tegulated Woodtex or Plaster Panels.

# BULKHEADS

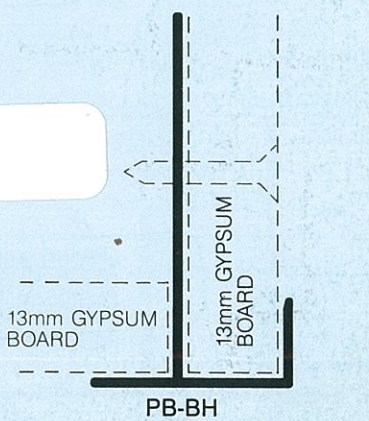
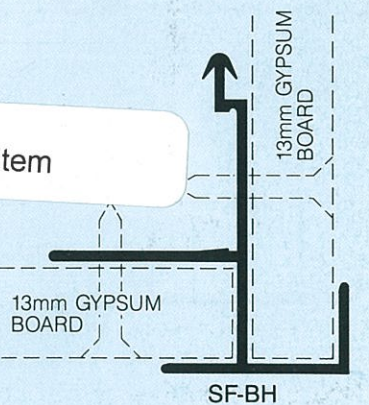
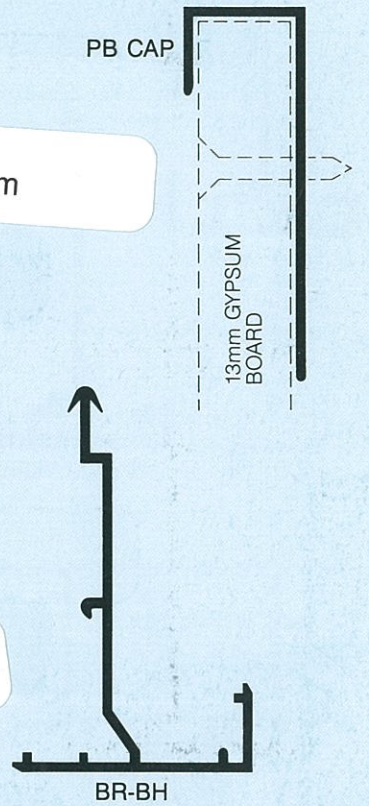
## EXPOSED GRID BULKHEAD SYSTEM

The bulkhead is designed for use with all systems. When using mineral fibre panels, vertical supports are fitted on 600 or 1200 centres which have been prepunched for snap fitting to the channel section of the bottom runner bulkhead. After determining the height of the bulkhead, the vertical support is site fabricated and pop riveted in position to the top runner bulkhead. The system can be used with gypsum panels incorporating set joints for an uninterrupted flush finish.



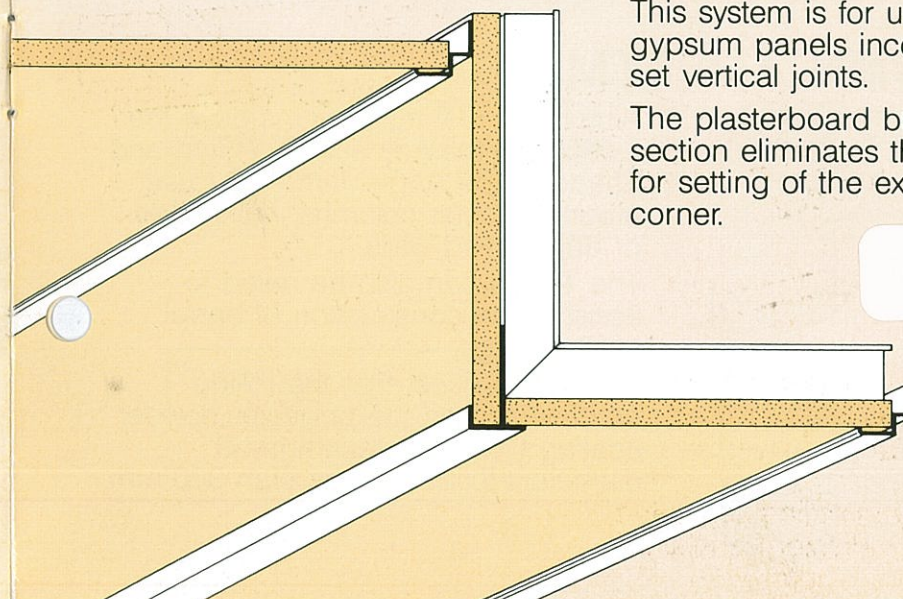
# SECTION PROFILES

SECTIONS FULL SIZE

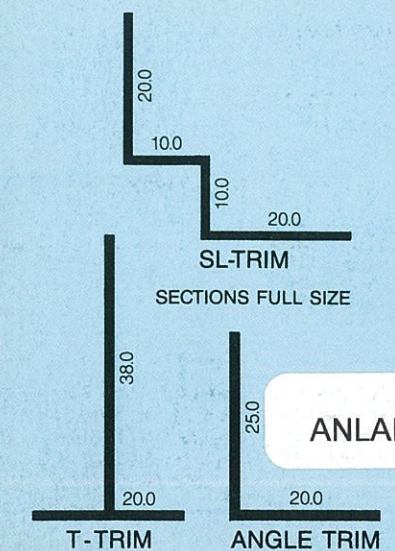
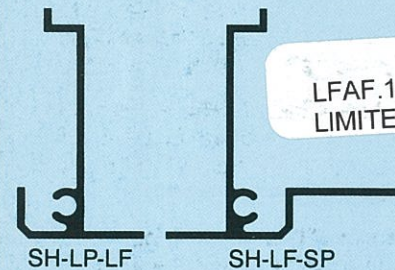
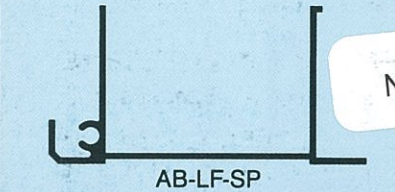
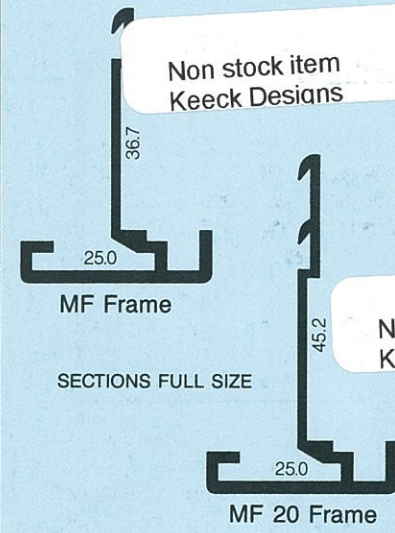


## PLASTERBOARD BULKHEAD SYSTEM

This system is for use with gypsum panels incorporating set vertical joints. The plasterboard bulkhead section eliminates the need for setting of the external corner.



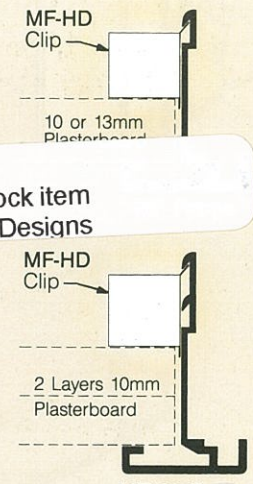
## SECTION PROFILES



# ACCESSORIES

## MITRE FRAMES

We can manufacture mitre frames any size to order. Stock sizes are available up to 600 x 600mm.



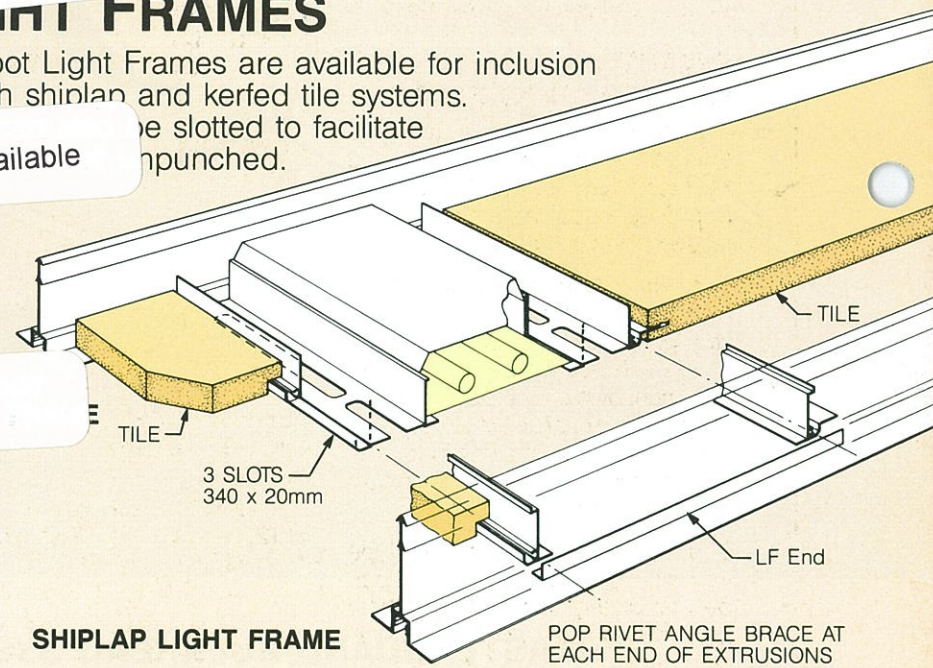
No Longer Available

No Longer Available

## LIGHT FRAMES

Air Boot Light Frames are available for inclusion in both shiplap and kerfed tile systems.

They are slotted to facilitate installation.



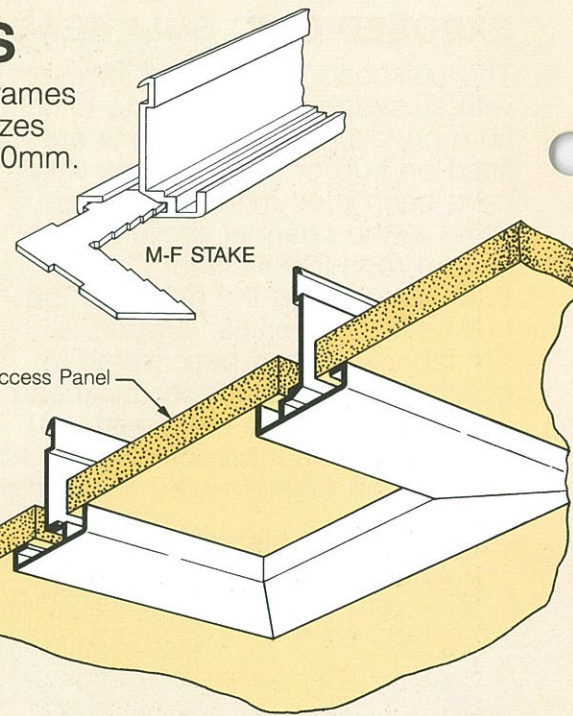
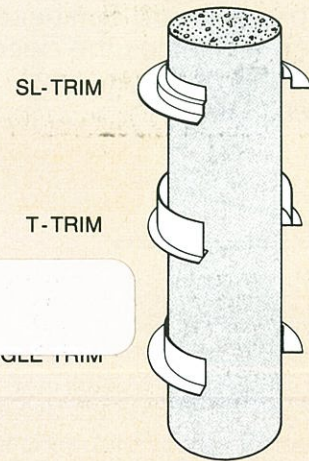
## COLUMN TREATMENT

All Column Treatment Keech Designs

Aluminium Ceiling Systems have the facilities to roll Angle Trim, T-Trim and Shadow Line Angle Trim — for use around circular columns, bulkheads, or any curved walls.

The T-Trim can also be rolled to assist in the construction of barrel vault ceilings.

Due to the effect that the rolling process has on the polyester powder coating finish, we recommend diameters to be no less than 300 mm.



# SPECIFICATIONS

## SYSTEM 1 FLUSH FACE EXPOSED GRID

The suspended Ceiling Systems will be of an exposed type using inverted tee sections of extruded aluminium pre-punched to form 1200 x 600 modules.

Main and Cross Runners will have a face dimension of 23.0mm and when joined will form a flush face finish.

Cross Runners will have the joining system punched from the web of the section, this allows any member to be removed and replaced without damage to any component.

Light Fittings will be positioned in the centre of the module as shown on plan.

WALL ANGLES : MAIN RUNNERS  
ROD SUSPENSION : SURFACE FINISH  
See Note: COMMON TO ALL SYSTEMS

## SYSTEM 2 ONE-WAY EXPOSED GRID

The suspension system shall be One-Way Exposed, manufactured by Aluminium Ceiling Systems, or approved equal and meeting the following requirements:

Top Hat Main Runners will be exposed in one direction to form a strip pattern to the profile as shown on plan. These will be held in rigid alignment by a channel bracing strut fitted to the top of the Main Runners at 90°, this will form a continuous tie over the top of the ceiling at intervals no greater than 1.50 metres.

The system will be of the type wherein the structural members can be completely installed to form a rigid grid framework. This enables other trades to complete their work to the open grid before the acoustic tiles are installed.

Precambered splines will support the mineral fibre ceiling panels.

Access panels will be fitted at positions shown on plans.

Light fittings will be made to the module of a tile and will have support for the tile on each side of the light fitting.

WALL ANGLES : MAIN RUNNERS  
ROD SUSPENSION : SURFACE FINISH  
See Note: COMMON TO ALL SYSTEMS

## SYSTEM 3 TOP HAT GRIDS

### Modular Top Hat

The suspension system will be of a type using top hat sections in two directions on a 1200 x 1200 module in which the centre recess of the top hat appears continuous in both directions.

Cross Runners will have the joining system punched from the web of the section and will allow any member to be removed and replaced without damage to any component.

Light fittings will be fitted in the centre of the module and will be trimmed by flush face cross runners to support the diffuser panel within the light opening, and the panels to the perimeter of the light opening. Remainder of the 1200 x 1200 modules will be fitted with mineral fibre panels, kerfed and cut back and fitted with a precambered concealed spline to the centre of this module.

WALL ANGLES : MAIN RUNNERS  
ROD SUSPENSION : SURFACE FINISH  
See Note: COMMON TO ALL SYSTEMS

### Top Hat Channel

The suspension system will be a two-way exposed aluminium system.

Top Hat Main Runners will be fitted at 1200 centres, with flush face cross runners fitted at 600 centres forming a 1200 x 600 system.

Cross Runners will have the joining system punched from the web of the section and will allow any member to be removed and replaced without damage to any component.

Light fittings will be fitted in the centre of the 600 module.

WALL ANGLES : MAIN RUNNERS  
ROD SUSPENSION : SURFACE FINISH  
See Note: COMMON TO ALL SYSTEMS

## SYSTEM 4 BROAD FACE GRID

The exposed grid system will be of aluminium with main runners having a 35.0mm face with extruded shoulders design in the section to accommodate a 33.0mm face cross runner.

Joining System of the cross runners will be fabricated from the web of the material and will include a tab locking device for the positive locking of cross runners in position. This device will also allow for the cross runners to be unlocked and re-positioned without damage to any section.

WALL ANGLES : MAIN RUNNERS  
ROD SUSPENSION : SURFACE FINISH  
See Note: COMMON TO ALL SYSTEMS

## COMMON TO ALL SYSTEMS

To be included with Specifications:

WALL ANGLE will be to the design on plan and can incorporate a mechanical interlocking joining system for the Main and Cross Runners.

MAIN RUNNERS will be suspended at 1200 centres and joined end on end with a pre-punched extruded aluminium tension joiner clip. Lugs of joiner clip pass through the runners and fold into position against the web to achieve a hair-line joint.

SUSPENSION CLIPS — spring adjusting suspension clips should be used in conjunction with 5mm mild steel rod.

ALTERNATIVELY — lock nut suspension clips may be used with 1/4" whitworth roll thread, with lock nuts on each side of the extruded aluminium suspension clip, which will snap fit to the head of the main runner.

SURFACE FINISH — all exposed section will be pre-treated for adhesion prior to coating with White Thermosetting Epoxy Powder finish.

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