BLUE TONGUE™ ALUMINIUM GRID AND PERIMETER/PELMET SYSTEMS

Inspiring Great Spaces™

Armstrong®

CEILING SYSTEMS

SUSPENSION SYSTEMS CONTENT

Armstrong Blue Tongue™ Aluminium Grid Systems

Extruded aluminium grid systems are the natural complement to Armstrong acoustic ceiling panels in A-Grade commercial applications.

Armstrong delivers more than 30 years of expertise in aluminium ceiling grid solutions to the Australian and New Zealand markets.

Armstrong offers a complete range of Modular, One Way and Two Way Systems, for both Mineral Fibre and Metal ceiling panels.

Features of the Armstrong "Blue Tongue" Systems

• Full and rapid demountability and re-use of components
• Complete range of interlocking accessories
• Choice of module sizes, including 1200x1200, 1350x1350 and 1500x1500
• Engineered and tested system
• Complete integration with Perimeter/Pelmet Systems

Technical Features

• Produced from proven 6063 T5 grade extruded aluminium
• Polyester Powdercoat
• Compliant to AS/NZS2785:2000 – Suspended Ceiling Code

Perimeter/Pelmet Solutions

To complete the ceiling, Armstrong provides a comprehensive range of perimeter solutions, including: wall angles, transitions trims pelmets.
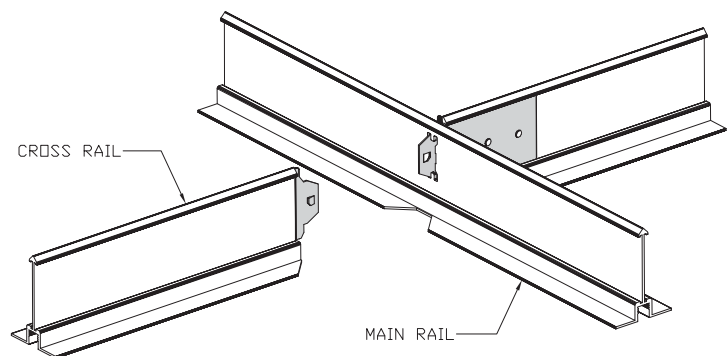
Custom Ceiling Solutions

In addition to a wide range of standard systems, the Armstrong Technical Services Group has the capacity of developing custom solutions to suit most commercial ceiling requirements.

For Seismic Design support please contact your local Armstrong office.
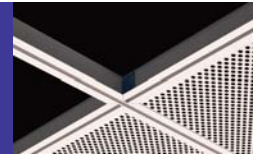

Clean mitred cross runner intersection.

CROSS RAIL
MAIN RAIL
Armstrong "Blue Tongue" positive lock connection.

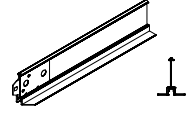3-sided Pelmet with Air Diffuser Face Plate

Component Specifications
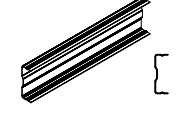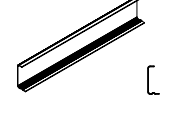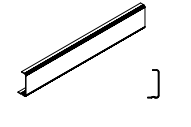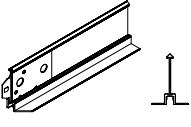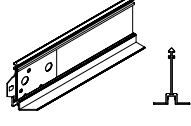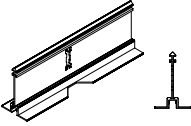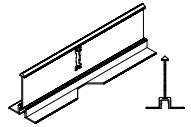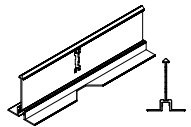
Item	Design	Dimensions (mm)			
		Slot Spacing	Length	Height	Width
ALMRTH3600	Top Hat Main Bar	1200	3600	45	32
ALMRTH4050	Top Hat Main Bar	1350	4050	45	32
ALMRTH4500	Top Hat Main Bar	1500	4500	50	32
ALCRTH1500	Top Hat Cross Runner	–	1500	50	32
ALCRTH1350	Top Hat Cross Runner	–	1350	45	32
ALCRTH1200	Top Hat Cross Runner	–	1200	45	32
ALSPLINE1A	C-Spline (For Mineral Fibre only)	–	1187	25	10
ALSPLINE2C	C-Spline (For Mineral Fibre only)	–	1187	25	10
ALSPLINE5A	C-Spline (For Mineral Fibre only)	–	1187	25	10
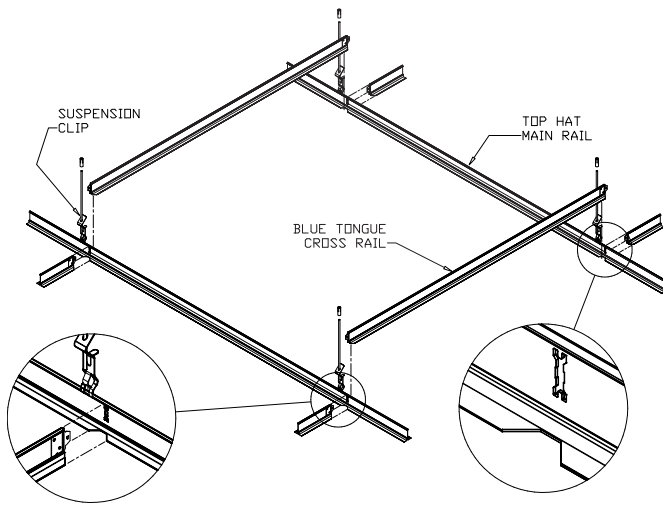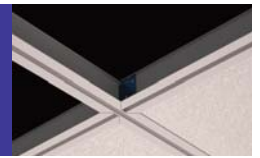
The High tensile "Blue Tongue" staked on clip – provides positive lock connection with ease of installation and demountability.
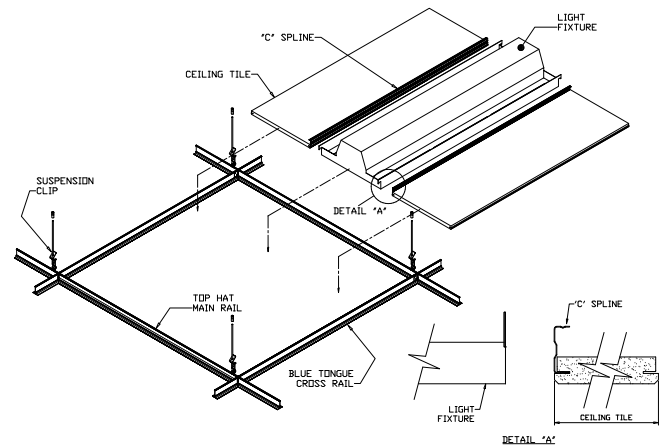
Completed grid system with panels / lights to be installed.

Note: When light fixtures are rotated 90 degrees, an additional suspension hanger is required at the mid point of each cross runner in the module.
C-Splines are used only with mineral fibre panels.
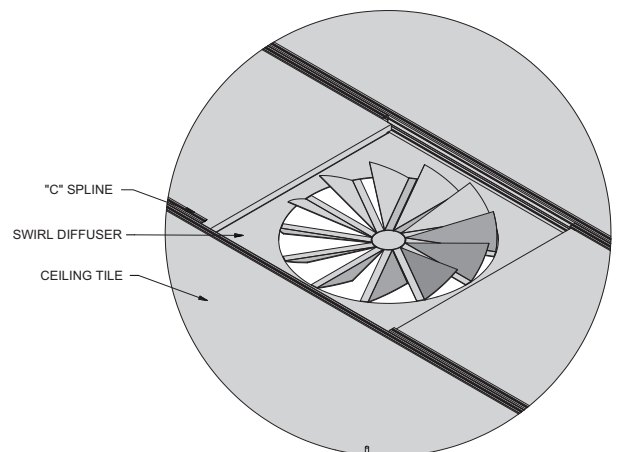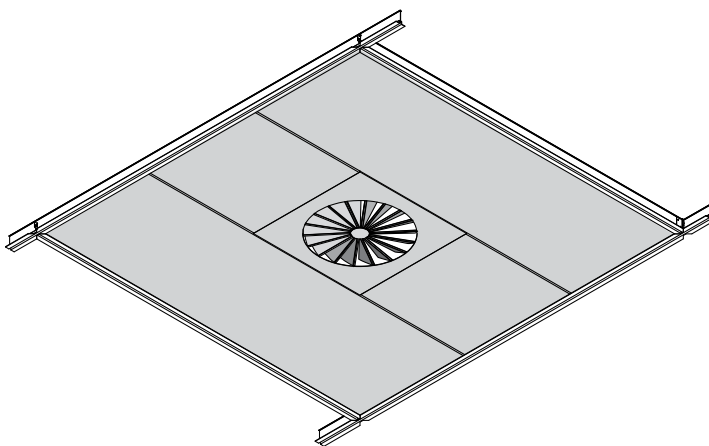
Simple integration of light fixtures and swirl diffusers

KEY FEATURES

• Simplicity of square module, enabling panels and light fixtures to be rotated by 90^0

• Robust extruded aluminium "top hat" profile for both primary and secondary sections

• Clean, flush fitting, mitred grid intersections

• Full and rapid demountability and re-use of components

• Complete range of interlocking accessories

• Choice of module size, including 1200x1200, 1350x1350 and 1500x1500

• Custom sizes available

• Simple panel removal and plenum access

• Mechanical services integration, including support tray options. Contact your Armstrong office for further details.

Additional information and detailed drawings on the Blue Tongue Modular System can be found at www.armstrongceilings.com.au
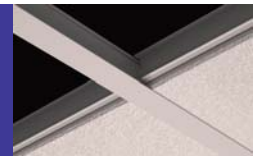
One Way Hook On System for Mineral Fibre Panels

Component Specifications

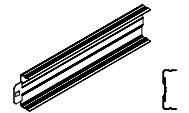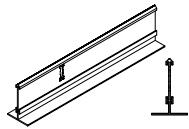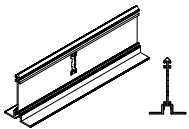| Item	Design	Dimensions (mm)			
		Routs	Length	Height	Face Width
ALOWHTH100	Top Hat Main Bar – 1200	100cc.	3600	50	32
ALOWHTH150	Top Hat Main Bar – 1350	150cc.	3600	50	32
ALOWHTH100	Top Hat Main Bar – 1500	100cc.	3600	50	32
ALOWFF100	Flat Facet Main Bar – 1200	100cc.	3600	50	32
ALOWFF150	Flat Facet Main Bar – 1350	150cc.	3600	50	32
ALOWFF100	Flat Facet Main Bar – 1500	100cc.	3600	50	32
ALSPLINE4B	Locking "C" Splines – 1200	–	1200	35	11.5
ALSPLINE5B	Locking "C" Splines – 1350	–	1350	35	11.5
ALSPLINE5F	Locking "C" Splines – 1500	–	1500	35	11.5
ALSPLINE1A	"C" Splines – 1200	–	1200	25	11.5
ALSPLINE2C	"C" Splines – 1350	–	1350	25	11.5
ALSPLINE5A	"C" Splines – 1500	–	1500	25	11.5

Note: Details on Perimeters, Wall Angles and Accessories – refer page 9

Additional information and detailed drawings on the Blue Tongue One Way System can be found at www.armstrongceilings.com.au
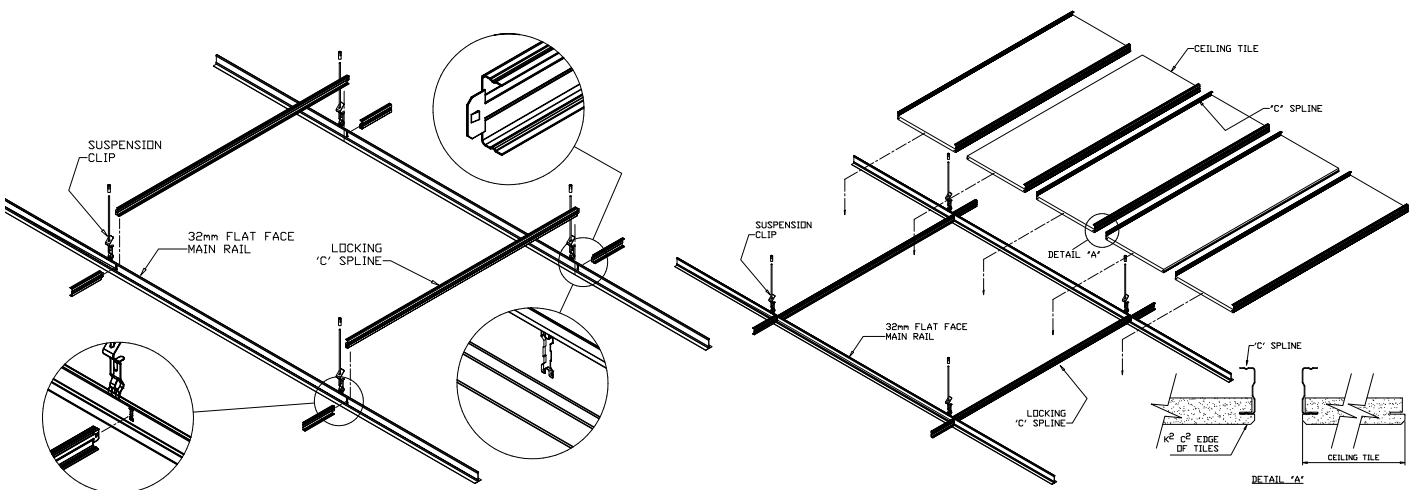
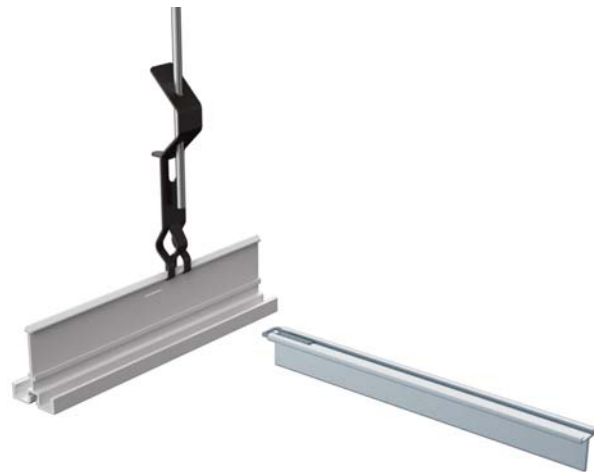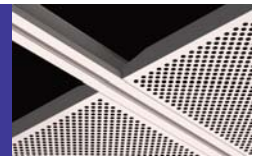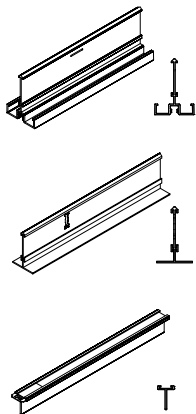## One Way Hook On System for MetalWorks Panels

Component Specifications

Item	Design	Dimensions (mm)			
		Slot Spacing	Length	Height	Width
ALOWHTHMR	Top Hat Main Bar	300	3600	50	35
ALOWFFMR	Flat Face Tee – Main Bar	300	3600	50	35
ALSPLINEOWH1200	Locking Spline – 1200	–	1200	21	15
ALSPLINEOWH1350	Locking Spline – 1350	–	1350	21	15
ALSPLINEOWH1500	Locking Spline – 1500	–	1500	21	15

Note: Details on Perimeters, Wall Angles and Accessories – refer page 9

KEY FEATURES

- Up-market visual
- Minimum Exposed Grid
- Simple removal of panels / Full accessibiblity
- Locking Splines ensures:
  1. Rigidity – minimising creep or racking
  2. Reduces requirement for bracing
  3. Precise panel alignment
- Mechanical services integration, including support tray options

LOCKING 'T' SPLINE

25

41

SECTION VIEW 'A-A'

LOCKING 'T' SPLINE @2400 C/C

METAL PAN

SECTION VIEW 'B-B'

HOOK-ON RAIL

PERIMETER TRIM

'A'

'A'

'B'

'B'

METAL PAN

LOCKING 'T' SPLINE

35mm TOP HAT MAIN RAIL

SUSPENSION CLIP
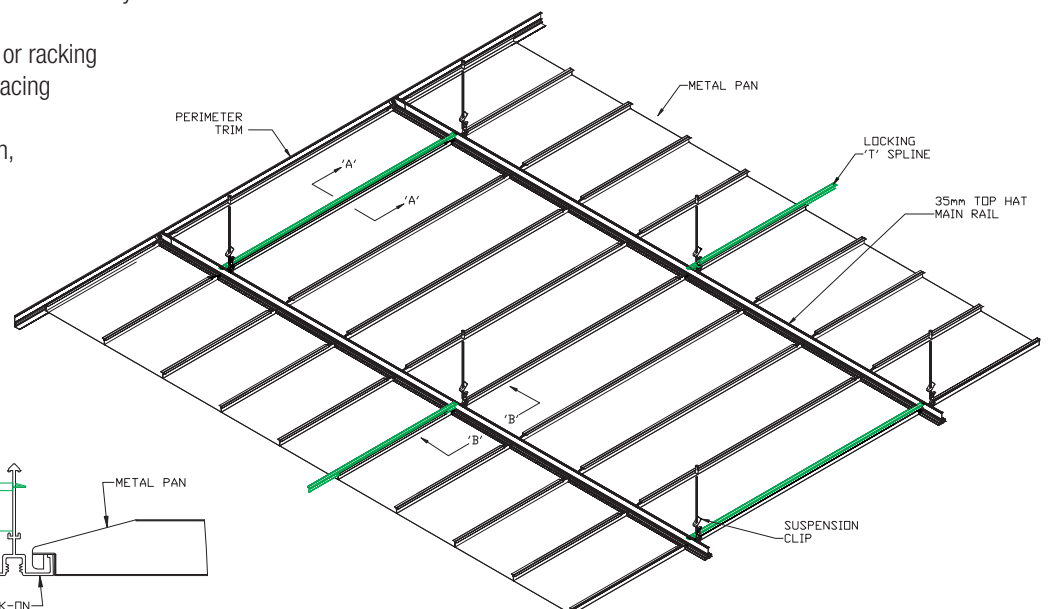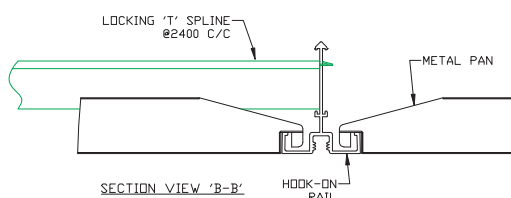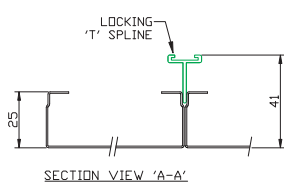
TWO WAY CEILING SYSTEMS
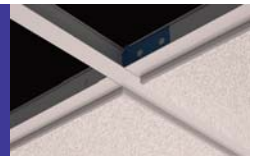
NSW Police Ctr – Parramatta NSW
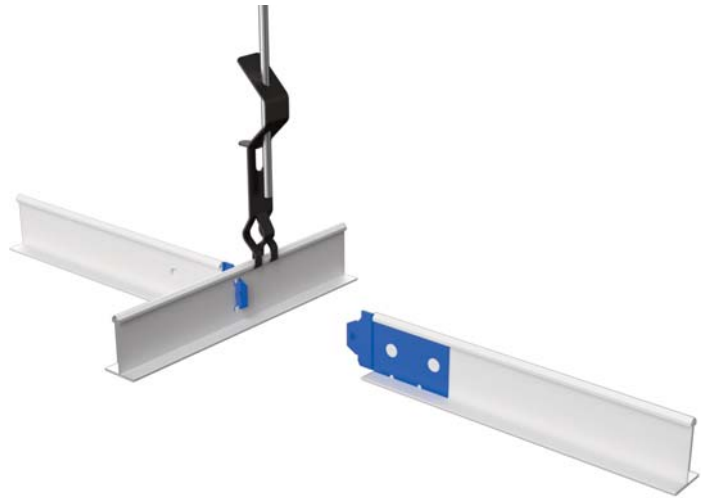
Two Way Exposed

Component Specifications
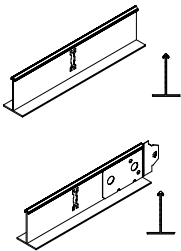
Item	Design	Dimensions (mm)			
		Slot Spacing	Length	Height	Width
BP4640037S37	Flat Faced 24mm Main Bar (Connection via M/R Joiner, item BP9338)	300	3600	38	24
BP4630037S38 BP4620037S30	Flat Faced 24mm Cross Runner Flat Faced 24mm Cross Runner Blue Tongue Connection – flush with Main Bar	600 –	1200 600	38 38	24 24

Notes:
Other Flat Faced Tee profiles are available for custom modules
Details on Perimeters, Wall Angles and Accessories – refer page 9

System Drawing and Installation
(Typical modules are 1200 x 600mm and 600 x 600mm).

Standard lay-in installation of Blue Tongue Aluminium 24mm Grid with Square or Tegular edge panels.
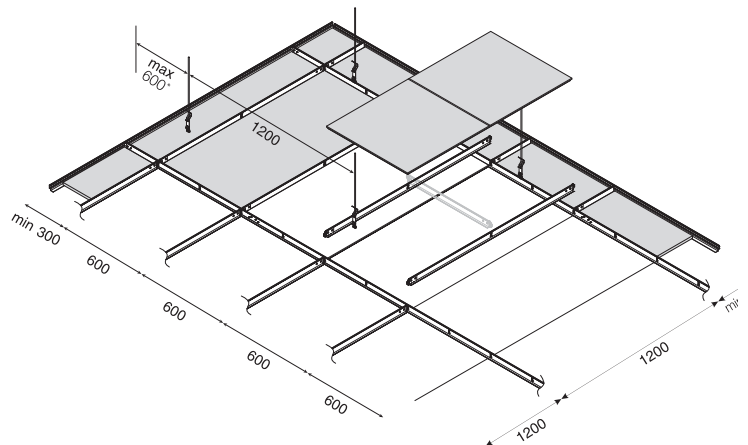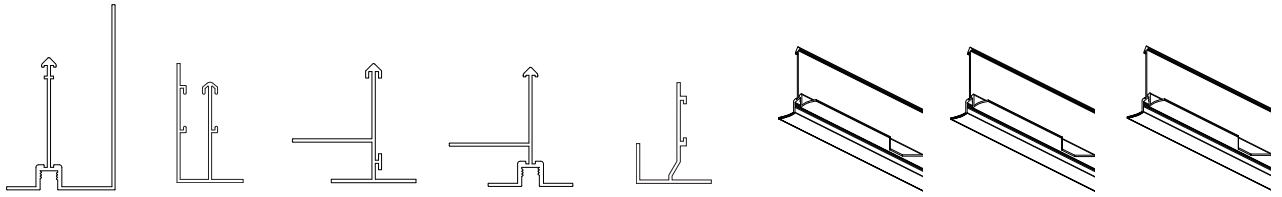
KEY FEATURES
- Practical and simple
- Full accessibility to plenum
- Simple removal of panels
- Best ceiling longevity with lowest maintenance costs

Additional information and detailed drawings on the Blue Tongue Two Way System can be found at www.armstrongceilings.com.au

PERIMETERS / WALL ANGLES AND ACCESSORIES

Perimeter / Transition Trims

Item:	ALPT4500LL	ALPTQLFF45	ALPTFF	ALPT3600PB	ALBULK3600SW	ALMRTH36000S	ALMRTH40500S	ALMRTH45000S
Description	Top Hat with 70mm Upturn	Flat Face	Flat Face with Horizontal Leg for 13 PB	Top Hat with Horizontal Leg for 13 PB	Bulk Head Trim	Top Hat Punched one side @ 1200cc.	Top Hat Punched one side @ 1350cc.	Top Hat Punched one side @ 1500cc.
Height (mm)	70	45	45	45	38	45	45	50
Length (mm)	4500	3600	3600	3600	3600	3600	4050	4500
Width (mm)	41	24	32	32	28	32	32	32

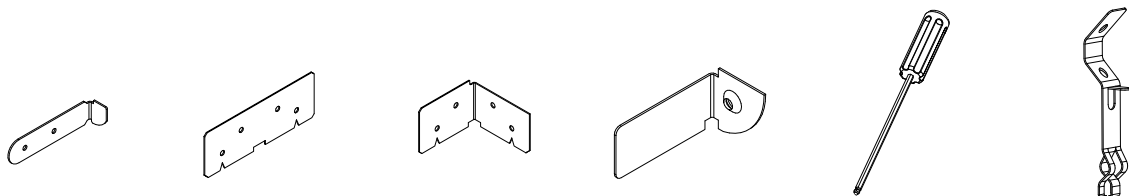## Perimeter Trims / Accessories for One Way MetalWorks Hook On System
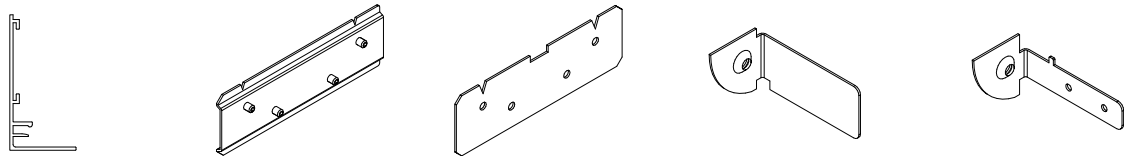
Item:	ALPTONEWAYSW	ARM–036	ARM–035	ARM–034	ARM–033
Description / Application	Perimeter Trim	Perimeter Trim Joiner Grub screw fastening	Main Runner Joiner To suit ALOWTHMR	Roll In Clip Connects Main Runner to Perimeter Trim	Roll In Clip Connects Locking Spline to Perimeter Trim
Dimensions	51(h) x 25 (w) x 3600mm				

Perimter Trims: Wall Angles

Item:	AL009RCPSW	AL008RCPSW
Description	Shadow line Suits roll in clip ALRIC	Std "L" Suits roll in clip ALRIC
Height (mm)	29	20
Width (mm)	29	20
Length (mm)	3600mm	3600mm

Accessories for Modular, One* and Two Way Systems

Item No.	ALRIC	ALMRJL*	ALMRJL90	ALRICL	GSD	ALSCLH
Description	Roll In Clip Small	Main Bar Joiner	90 Degree Bracket	Roll in Clip Large	Grub screw-driver	Suspension Clips
Application of Accessory Item	Connects all sections with all wall angles and Perimeter Trims / Pelmets	Connects all Main Bars: 45 and 50mm sections *M/R Joiner for Two Way System is BP9338	Used with all Main Bars 45 and 50mm sections	For connecting Main or Cross Runners to Perimeter Trims	For use with Grub screw Roll in Clip	For use on all Main Bars and Perimeter Trims

* See table above for One Way Hook On for MetalWorks.

PELMET SYSTEMS

3-Sided Pelmet with slotted Air Diffuser Face Plate – Modular Grid and Ultima panel — Woolworths HQ, Sydney

Transition in style

Regain aesthetic control of the perimeter with an Armstrong Pelmet System. The transition from pelmet to either plasterboard margin or acoustic ceiling is now simple. Armstrong Pelmet Systems are a pre-engineered solution, integrating curtain pelmets, air distribution and ceiling elevation changes. Field fabrication and on-site decisions become a thing of the past. Armstrong Pelmet Systems directly integrate with the ceiling grid via a positive locking connection clip. Concealed splice plates enable mechanical lock connections between adjacent pelmet sections.

Three easy Profiles

There are three basic aluminum extrusion profiles that provide a precise, crisp architectural detail.
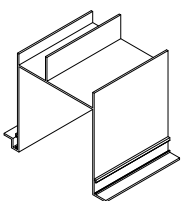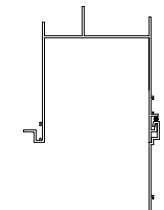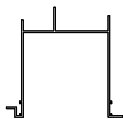
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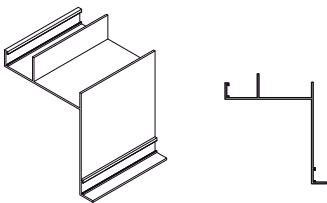
Single piece aluminium extrusion that forms a simple 2 sided pelmet. Transition to either acoustical grid or set plaster margin.

2-Sided Pelmet with transition to Acoustical/Drywall Grid

2

3-Sided Pelmet with transition to Acoustical/Drywall Grid

Pelmet with Extension

Pre-engineered aluminium 3 sided pelmets can be produced from one or two piece sections enabling flexibility in size of pelmet. Extension components allow for additional design flexibility and ceiling elevation changes. Transition to either acoustical grid or set plaster margin.

3
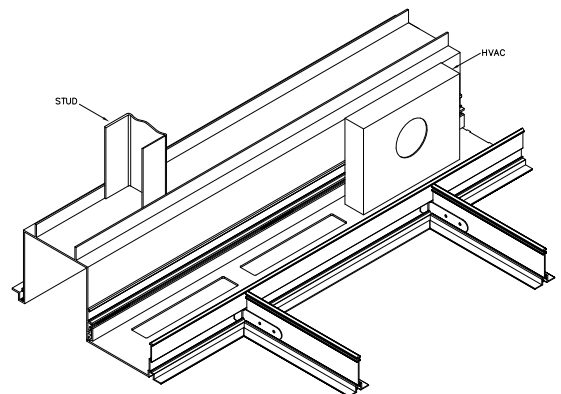
3-Sided Perimeter Pelmet with Diffuser Face Plate and transition to "Blue Tongue" Grid

Pelmets can be designed for full integration with air distribution at the perimeter. Diffuser face plate is pre-slotted according to air supply specifications. Transition to either acoustical grid or set plaster margin.

PELMET SYSTEMS

3-Sided Pelmet with Air Diffuser Face Plate
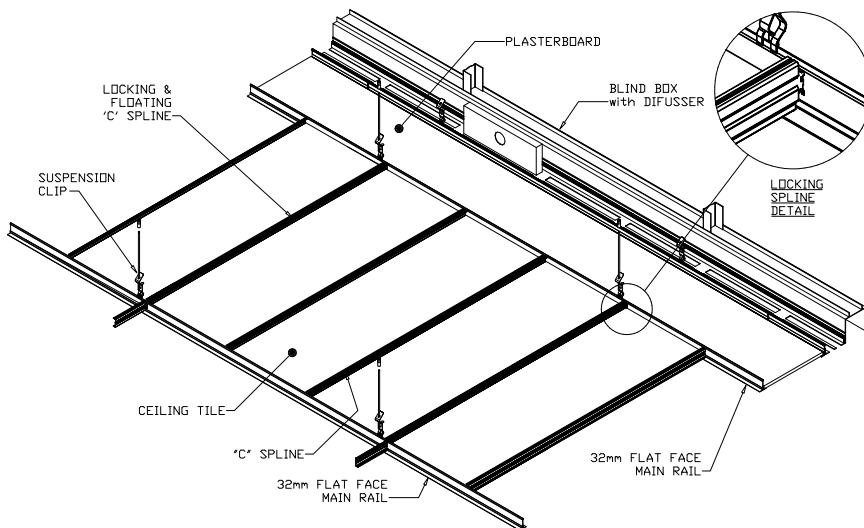

Two Piece Pelmet with Margin

Accessories for Pelmet Sections

Component Specifications
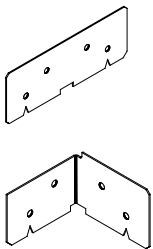
Item	Design
ALMRJS	Joiner for Pelmet
ALMRJS90	90 Degree Joiner for Pelmet

Single Piece Pelmet

One Way System with Composite Pelmet

Additional information and detailed drawings on the Perimeter/Pelmet Systems can be found at www.armstrongceilings.com.au

Armstrong, the Global Leader in Acoustic Ceilings

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Telephone 64-9-276 4000 | Facsimile 64-9-276 414

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