



FLAT CEILINGS



CURVED CEILINGS



QUIKSTIX BULKHEADS



SHORTSPAN



WALL SYSTEMS

# DRYWALL GRID SYSTEM – TECHNICAL GUIDE

Inspiring Great Spaces™



CEILING SYSTEMS

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For Seismic  
Design support  
please contact your  
local Armstrong  
office.

## Features and Benefits

**Armstrong Drywall Grid** is fast and easy to install and an economical alternative to TCR and Furring Channel construction.

### Applications

Armstrong Drywall Grid Systems offer flexible design solutions for:

- Flat and Curved Ceilings
- Bulkheads (Multiple Step and Curved)
- Transitions to Acoustical Ceilings
- Margins
- Perimeters
- Walls

### Features

- **PeakForm**  
Patented profile increases strength and stability for improved performance during installation
- **Knurled Face**  
Positive screw penetration into tees
- **SuperLock / XL<sup>2</sup>**  
Main Bar and Cross Runner clips are engineered for a strong secure connection and fast accurate alignment confirmed with an audible click; easy to remove and relocate
- **ScrewStop**  
Reverse hem prevents screw spin off on Tee face
- **38mm Wide Face**  
Main Bars and Cross Runners – easy installation of screw fixed plasterboard sheets
- **Rotary stitched Double Thickness Web**  
For additional torsional strength and stability
- **Simple Integration of Mechanical Services**

### Benefits

- Reduced installation time
- Reduced labour costs
- Reduced material costs and wastage
- Low 38mm profile across one plane
- Material off cuts can be used for bracing and as an alternative suspension method

### Physical Data

- Material: Hot dipped galvanised steel
- Recycled Content: 25%
- Surface Finish: Z275 galvanised
- Main Bar / Cross Runner Interface: Joggled ends
- End Detail:
  - Main Bar: staked-on SuperLock clip
  - Cross Runner: staked-on XL<sup>2</sup> clip

### Code Compliance

**Armstrong DGS is designed and manufactured to comply with the following standards:**

AS/NZ 2785-2000: Suspended Ceilings – Design and Installation

AS/NZ 2589-2007: Gypsum linings – Application and finishing

AS/NZ 1397-2002: Steel sheet and strip – Hot-dipped zinc-coated or aluminium/zinc-coated

AS/NZ 4600-2005: Cold-formed steel structures

AS/NZ 1170-2002: Structural Design Actions

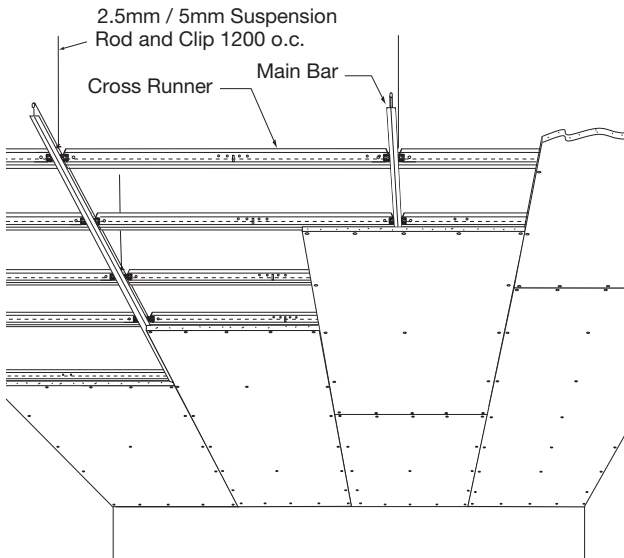
# FLAT CEILINGS

The Drywall Grid System is made up of Main Bars and Cross Runners that are suspended from the structural deck. Sections of Main Bars lock together end-to-end with Cross Runners spanning between the Main Bars.

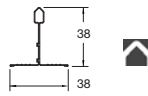
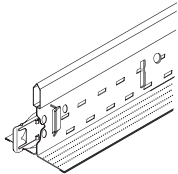
The ends of the Main Bars and Cross Runners either lock into the wall Channel or are fixed to Angle Trims that run around the perimeter of the space.

## Features

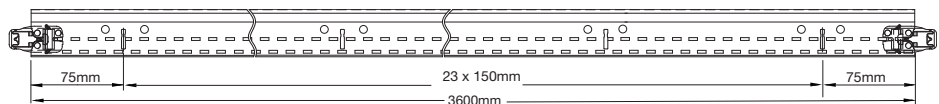
- Simple “two way” grid system for interior screw up ceilings
- Solutions for Bulkheads/special transitions
- Integration between plasterboard and acoustical panel ceilings
- Complete range of perimeter solutions including Pelmet



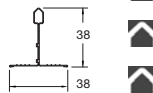
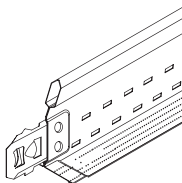
### Main Bar: PeakForm 38 with Knurled Face and SuperLock Clip (bulb-to-bulb connection)



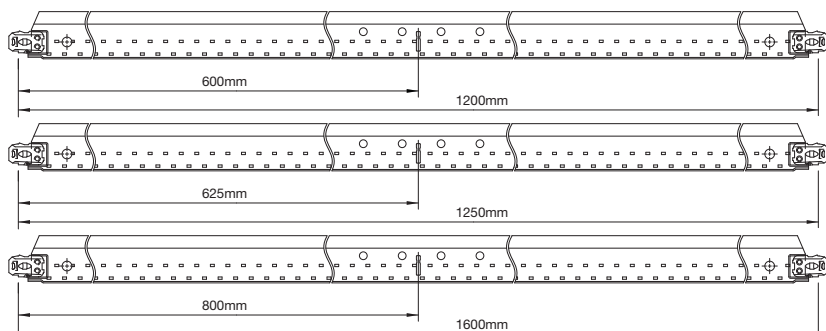
| Item Number | Dimensions  |             |           | Rout Spacing<br>mm | Content / Carton / Weight |      |    |
|-------------|-------------|-------------|-----------|--------------------|---------------------------|------|----|
|             | length (mm) | height (mm) | face (mm) |                    | pcs                       | lm   | kg |
| BP 794033   | 3600        | 38          | 38        | 150cc              | 12                        | 43.2 | 24 |



### Cross Runners: PeakForm 38 XL<sup>2</sup> with Knurled Face (stab connection, override)



| Item Number | Dimensions  |             |           | Rout Spacing<br>mm | Content / Carton / Weight |       |    |
|-------------|-------------|-------------|-----------|--------------------|---------------------------|-------|----|
|             | length (mm) | height (mm) | face (mm) |                    | pcs                       | lm    | kg |
| BP 793033   | 1200        | 38          | 38        | Centre             | 36                        | 43.20 | 21 |
| BP 793133   | 1250        | 38          | 38        | Centre             | 36                        | 45.0  | 22 |
| BP 796133   | 1600        | 38          | 38        | Centre             | 36                        | 57.6  | 24 |

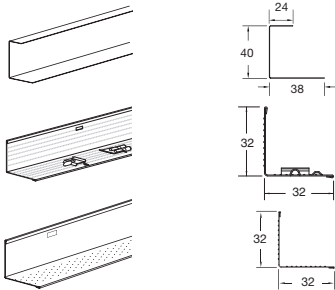




# FLAT CEILINGS

## Perimeter Trims

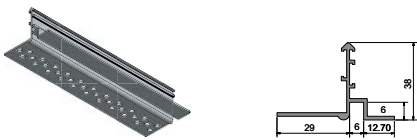
A variety of drywall grid perimeter trims and accessories are available to provide problem-solving solutions that save time, labor and money.



| Item Number   | Dimensions  |             |           | Rout Spacing<br>mm | Content / Carton / Weight |      |      |
|---|-------------|-------------|-----------|--------------------|---------------------------|------|------|
|   | length (mm) | height (mm) | face (mm) |                    | pcs                       | lm   | kg   |
| Knurled Channel Moulding (hemmed with Knurled lower leg)<br>BP KCM 36 | 3600        | 40          | 38        | –                  | 12                        | 43.2 | 15.6 |
| Locking Angle Trim (hemmed with Knurled faces)<br>BP LAT36            | 3600        | 32          | 32        | 75 in / 150 o.c.   | 20                        | 72   | 26   |
| Angle Trim (hemmed with Knurled faces)<br>BP KAM36                    | 3600        | 32          | 32        | –                  | 20                        | 72   | 26   |

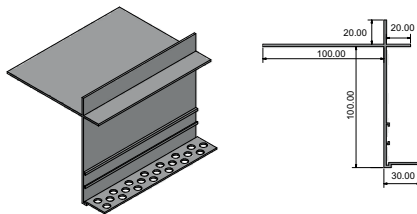
## Transition Trims

An innovative transition solution from flush plasterboard to acoustical ceiling systems.



Plasterboard Transition Set Bead With 6mm Reveal – Satin White

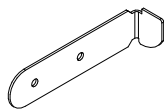
| Item Number    | Dimensions  |             |           | Rout Spacing<br>mm | Content / Carton / Weight |    |    |
|----------------|-------------|-------------|-----------|--------------------|---------------------------|----|----|
|                | length (mm) | height (mm) | face (mm) |                    | pcs                       | lm | kg |
| ALPTPERFTH3600 | 3600        | 38          | 45.5      | –                  | 20                        | 72 | 24 |



2 sided Pelmet with Set Edge – Satin White

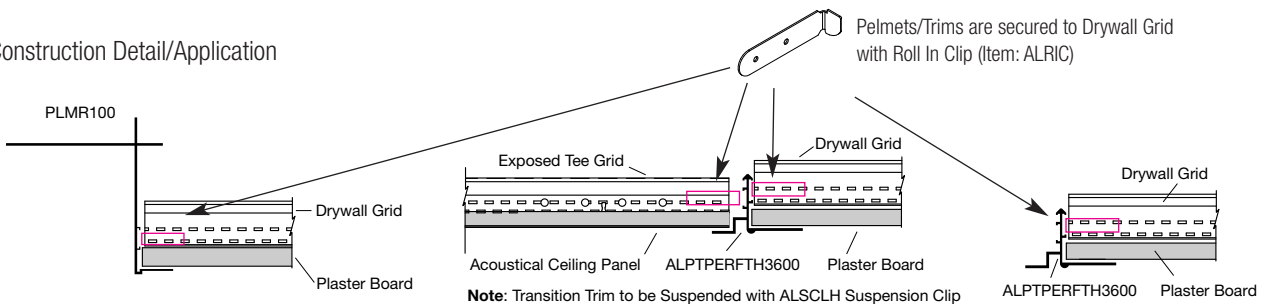
| Item Number | Dimensions  |             |           | Rout Spacing<br>mm | Content / Carton / Weight |      |    |
|-------------|-------------|-------------|-----------|--------------------|---------------------------|------|----|
|             | length (mm) | height (mm) | face (mm) |                    | pcs                       | lm   | kg |
| PLMR100     | 3600        | 100         | 100       | –                  | 4                         | 14.4 | 28 |

Pelmets/Trims are secured to Drywall Grid with Roll In Clip (Item: ALRIC)



| Item Number | Dimensions  |             |           | Rout Spacing<br>mm | Content / Carton / Weight |    |    |
|-------------|-------------|-------------|-----------|--------------------|---------------------------|----|----|
|             | length (mm) | height (mm) | face (mm) |                    | pcs                       | lm | kg |
| ALRIC       | 65          | 16          | –         | –                  | 100                       | –  | 5  |

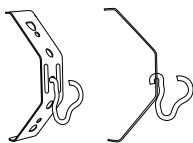
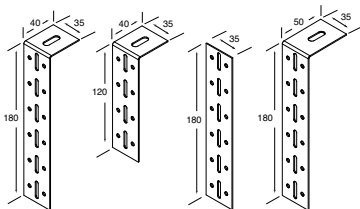
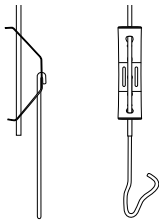
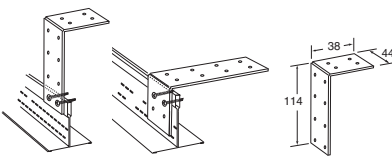
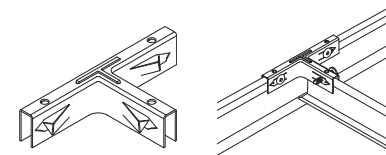
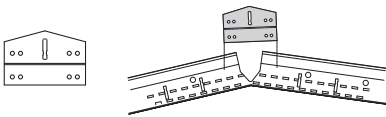
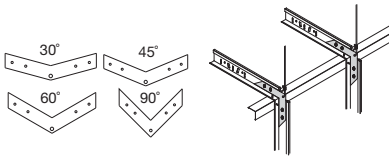
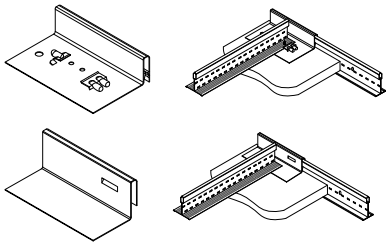
## Construction Detail/Application



# GRID ACCESSORIES

LEGEND: ● Flat Ceilings, ● Wall systems, ● Curved Ceilings, ● Quikstix Bulkheads, ● ShortSpan

## Application

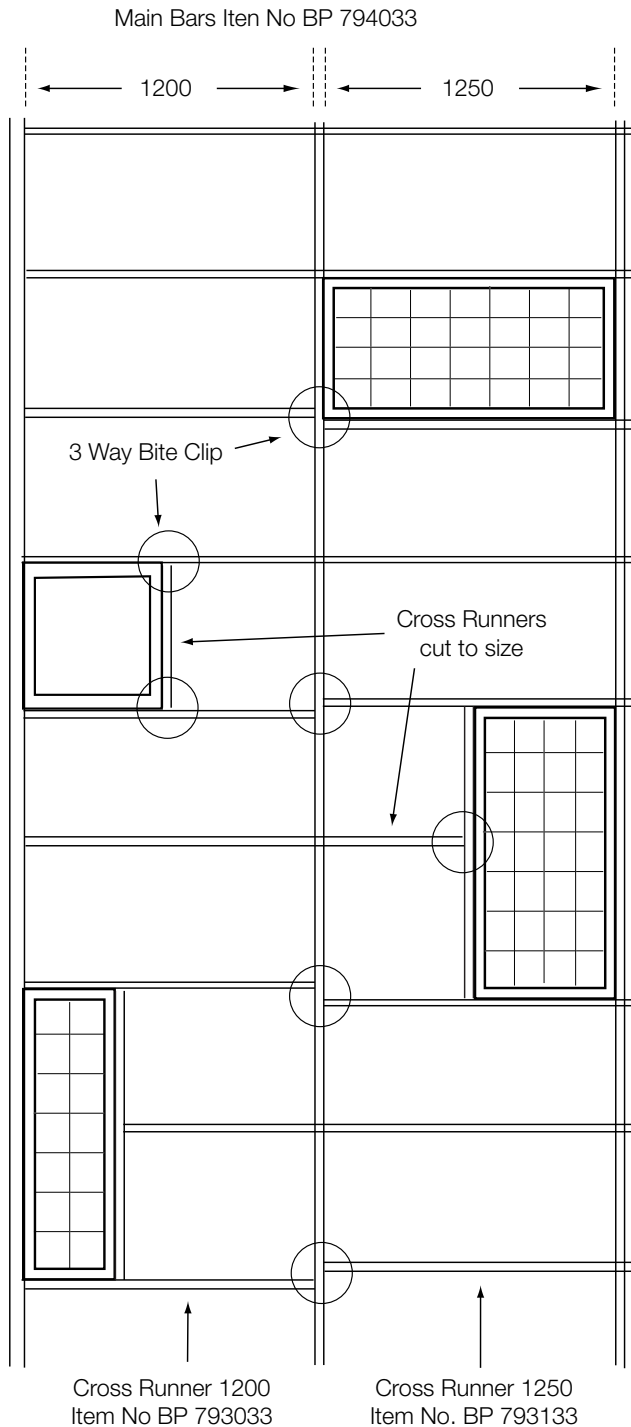


| Item Number                                  | Product Description   | Pcs / Bucket             | Legend                                   |
|--|---|--------------------------|--|
| BPDW10LT<br>BPDW13LT<br>BPDW16LT<br>ALDW13   | <b>Transition Clips with Locking Tabs</b> facilitate transition from drywall to acoustical ceiling; one-sided hold-down clip; eliminates need for drywall bead. Locking tabs provide secure location for DGS tees<br><b>For 10mm Plasterboard</b><br><b>For 13mm Plasterboard</b><br><b>For 16mm Plasterboard</b><br><b>Suits 45/50 Top Hat for 13mm Plasterboard</b> | 125<br>125<br>125<br>100 | ●<br>●<br>●<br>●                         |
| BPDW30C<br>BPDW45C<br>BPDW60C<br>BPDW90C     | 30, 45, 60 and 90 degree <b>Drywall Angle Clips</b> are used to create positive and secure angles for drywall and ceiling installations on either Main Bars or Cross Runners  | 250<br>250<br>250<br>250 | ●<br>●<br>●<br>●                         |
| BPRC2  | <b>Radius Clip</b> is used to secure the Main Bar at the desired angle in curved ceiling applications. Includes a rout for Cross Runners installation   | 205                      | ●  |
| BPGC3W                                       | <b>3 Way Bite Clip</b> connects Intersecting Cross Runners at any point along a Main Bar or other Cross Runners   | 250                      | ● ● ●                                    |
| BPQSUTC*                                     | <b>Up Tight Clip</b> is used for Direct fix applications<br>*Non stock item – lead time required  | 150                      | ● ● ● ●                                  |
| SCDGS  | <b>Rod Hanging Clip</b> is the standard height adjustable suspension clip connecting from 2.5 or 5mm rod to the DGS Main Bar  | 100                      | ● ● ●                                    |
| DWDFC<br>DWDFC120<br>DWDFFC180<br>DWDFC18050 | <b>Direct Fix Clip</b> – 180mm L Shape<br><b>Direct Fix Clip</b> – 120mm L Shape<br><b>Direct Fix Clip</b> – 180mm Flat Extension<br><b>Direct Fix Clip</b> – 180mm L Shape with 50mm Head  | 100<br>100<br>100<br>100 | ● ● ● ●<br>● ● ● ●<br>● ● ● ●<br>● ● ● ● |
| DGSSCS                                       | <b>DGS Suspension Clip Small</b> is the standard height adjustable suspension clip connecting from 2.5 or 5mm rod to the DGS Main Bar   | 100                      | ● ● ●                                    |
| DGSSCTR                                      | <b>DGS Threaded Rod Clip</b> is a suspension clip for 6mm Threaded Rod  | 100                      | ● ● ●                                    |

## Integrating Services

The Armstrong Drywall Grid System is designed to accommodate installation of mechanical services such as light fixtures and air registers. Fixtures can be simply framed regardless of orientation (parallel or perpendicular to Main Bars), as per the illustrations below.


Main Bars feature connection routs at 150mm centres for installation of additional Cross Runners so that fixtures can be framed and supported. The "3 Way Bite Clip" is applied where connections are required where no rout exists, such as connecting between Cross Runners.

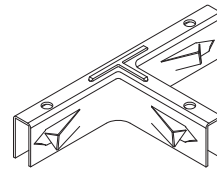


### Note: Light Fixtures Installed Perpendicular to Main Bars

1. Main Bars should be installed at 1250mm OC to accommodate Light Fixtures, providing a clear opening of 1212mm for easy installation. Standard 1250mm long Cross Runners are installed between Main Bars at 600mm OC, with additional Cross Runners to support and frame out the fixtures.
2. For shorter rectangular fixtures, (with length less than 1162mm) install Main Bars at 1200mm OC and apply typical 1200mm Cross Runners.

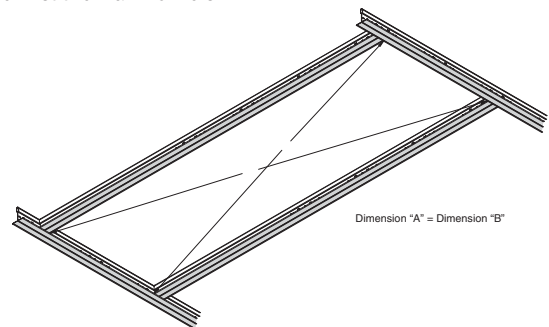
### Legend

-  3 Way Bite Clip to be installed at Cross Runner connection where no rout is available

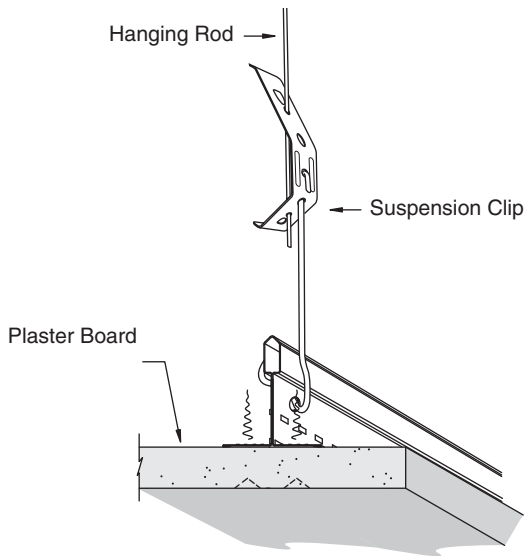


### Squaring up the system

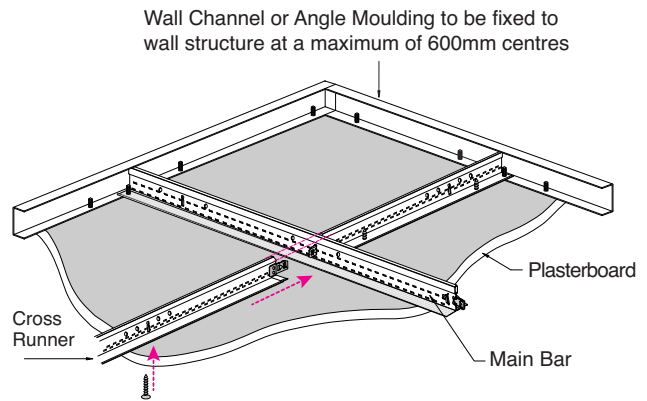
Ensure grid is square following installation of first two Main Runners



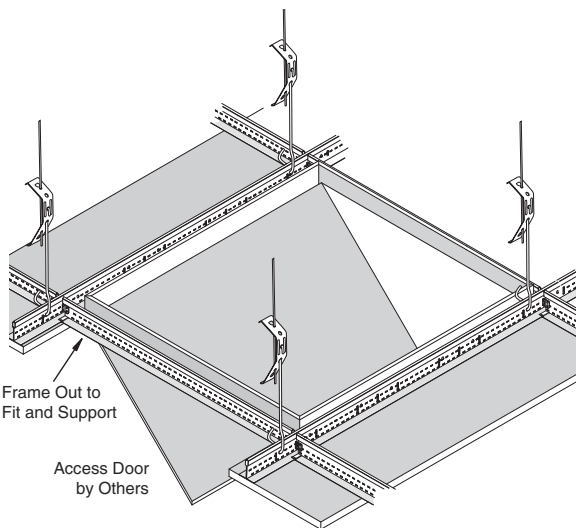
## System Details



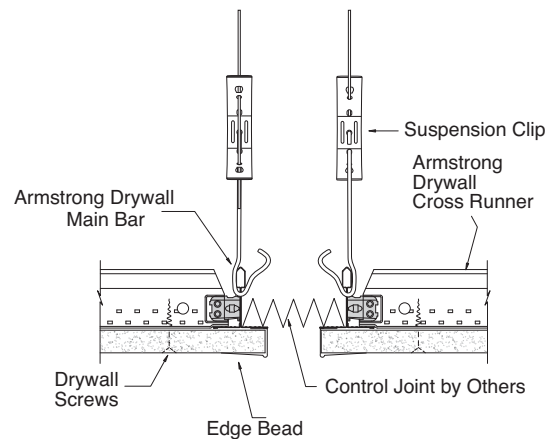
1 Suspension



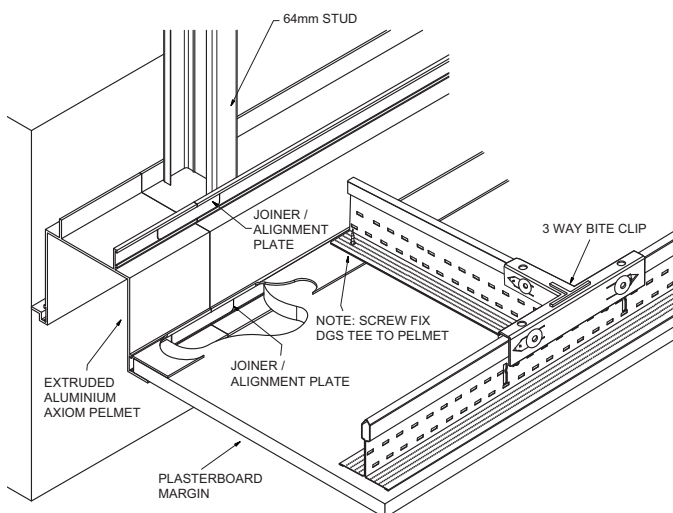
2 Perimeter Detail



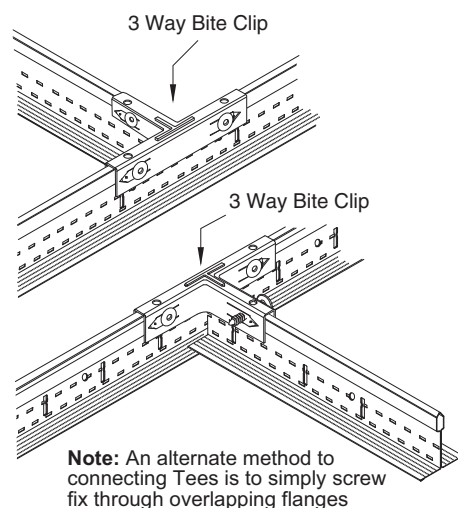
3 Access Door



4 Control Joint



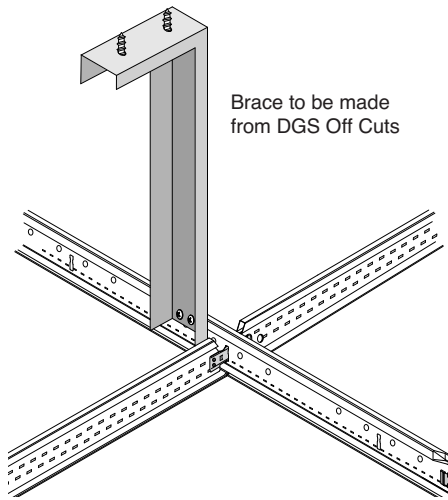
5 Pelmet



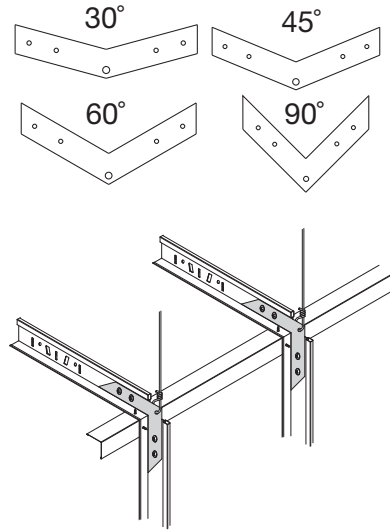
6 Securing a Single Cross Runner



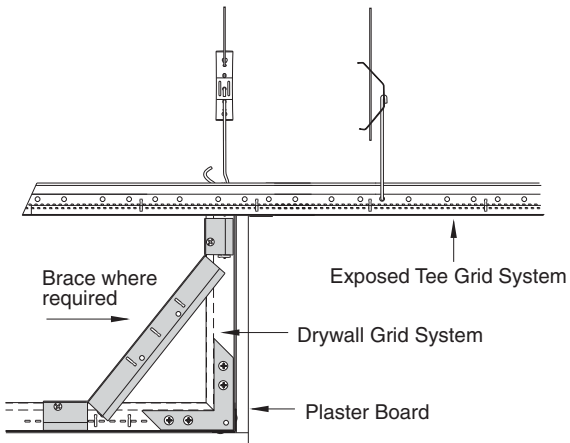
## System Details



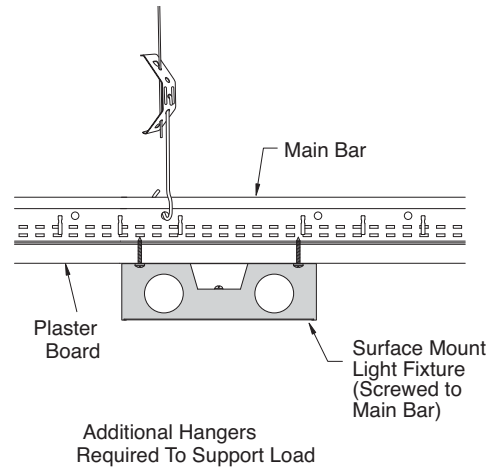
7 Alternative Suspension Method



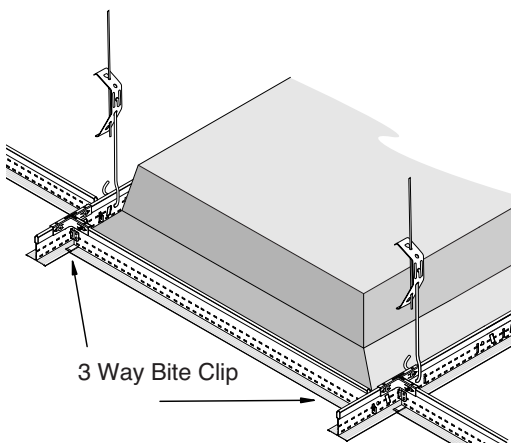
8 Angle Clip



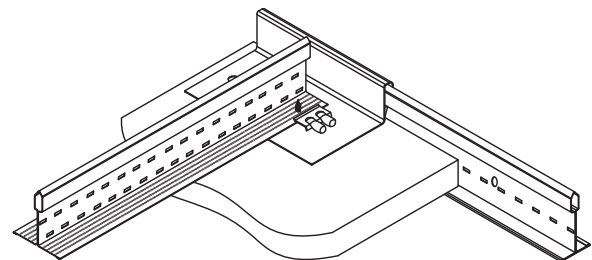
9 Bulkhead



10 Surface Mount Fixture



11 Light Fixture



12 Transition with DW10/13/16 Clip

## Suspension System – Grid Estimator Per 100m<sup>2</sup>

### Reference 1

| <b>Module 1200x600</b> |                          | <b>Main Bars @ 1200mm Centres / Suspension points @ 1200mm<br/>1200mm Cross Runners @ 600mm Centres</b> |     |              |
|------------------------|--------------------------|---|-----|--------------|
| CODE                   | Item                     | L/m   | PCS | QTY          |
| BP794033               | DGS Main Bar 3600mm      | 83  | 23  | 2 Boxes      |
| BP793033               | DGS Cross Runner 1200mm  | 166   | 139 | 4 Boxes      |
| SCDGS                  | Rod Hanging Clip         |   | 69  | 100 Pcs pack |
| BPKCM36                | Knurled Channel Moulding | 20  | 6   | 1 Box        |

### Reference 2

| <b>Module 1250x600</b> |                          | <b>Main Bars @ 1250mm Centres / Suspension points @ 1200mm<br/>1250mm Cross Runners @ 600mm Centres</b> |     |              |
|------------------------|--------------------------|---|-----|--------------|
| CODE                   | Item                     | L/m   | PCS | QTY          |
| BP794033               | DGS Main Bar 3600mm      | 80  | 22  | 2 Boxes      |
| BP793133               | DGS Cross Runner 1250mm  | 166   | 133 | 4 Boxes      |
| SCDGS                  | Rod Hanging Clip         |   | 66  | 100 Pcs pack |
| BPKCM36                | Knurled Channel Moulding | 20  | 6   | 1 Box        |

### Reference 3

| <b>Module 1600x600</b> |                          | <b>Main Bars @ 1600mm Centres / Suspension points @ 900mm<br/>1600mm Cross Runners @ 600mm Centres</b> |     |              |
|------------------------|--------------------------|--|-----|--------------|
| CODE                   | Item                     | L/m  | PCS | QTY          |
| BP794033               | DGS Main Bar 3600mm      | 63   | 18  | 2 Boxes      |
| BP796133               | DGS Cross Runner 1600mm  | 169  | 106 | 3 Boxes      |
| SCDGS                  | Rod Hanging Clip         |  | 72  | 100 Pcs pack |
| BPKCM36                | Knurled Channel Moulding | 20   | 6   | 1 Box        |

### Reference 4

| <b>Module 1200x450</b> |                          | <b>Main Bars @ 1200mm Centres / Suspension points @ 1200mm<br/>1200mm Cross Runners @ 450mm Centres</b> |     |              |
|------------------------|--------------------------|---|-----|--------------|
| CODE                   | Item                     | L/m   | PCS | QTY          |
| BP794033               | DGS Main Bar 3600mm      | 83  | 23  | 2 Boxes      |
| BP793033               | DGS Cross Runner 1200mm  | 228   | 190 | 6 Boxes      |
| SCDGS                  | Rod Hanging Clip         |   | 69  | 100 Pcs pack |
| BPKCM36                | Knurled Channel Moulding | 20  | 6   | 1 Box        |

### Reference 5

| <b>Module 1250x450</b> |                          | <b>Main Bars @ 1250mm Centres / Suspension points @ 1200mm<br/>1250mm Cross Runners @ 450mm Centres</b> |     |              |
|------------------------|--------------------------|---|-----|--------------|
| CODE                   | Item                     | L/m   | PCS | QTY          |
| BP794033               | DGS Main Bar 3600mm      | 80  | 22  | 2 Boxes      |
| BP793133               | DGS Cross Runner 1250mm  | 225   | 180 | 4 Boxes      |
| SCDGS                  | Rod Hanging Clip         |   | 66  | 100 Pcs pack |
| BPKCM36                | Knurled Channel Moulding | 20  | 6   | 1 Box        |

### Reference 6

| <b>Module 1600x450</b> |                          | <b>Main Bars @ 1600mm Centres / Suspension points @ 900mm<br/>1600mm Cross Runners @ 450mm Centres</b> |     |              |
|------------------------|--------------------------|--|-----|--------------|
| CODE                   | Item                     | L/m  | PCS | QTY          |
| BP794033               | DGS Main Bar 3600mm      | 63   | 18  | 2 Boxes      |
| BP796133               | DGS Cross Runner 1600mm  | 222  | 139 | 4 Boxes      |
| SCDGS                  | Rod Hanging Clip         |  | 72  | 100 Pcs pack |
| BPKCM36                | Knurled Channel Moulding | 20   | 6   | 1 Box        |

## Drywall Grid Board Loadings – Maximum Weight m<sup>2</sup>

| Main Bar Centres mm | Cross Runner | Cross Runners Centres mm | Suspension Points     |                       |
|---------------------|--------------|--------------------------|-----------------------|-----------------------|
|                     |              |                          | 900mm                 | 1200mm                |
| 1200mm              | 1200mm       | 450mm                    | 2 x 16mm Plasterboard | 1 x 13mm Plasterboard |
|                     | 1200mm       | 600mm                    | 2 x 16mm Plasterboard | 1 x 13mm Plasterboard |
| 1250mm              | 1250mm       | 450mm                    | 2 x 16mm Plasterboard | 1 x 13mm Plasterboard |
|                     | 1250mm       | 600mm                    | 2 x 13mm Plasterboard | 1 x 13mm Plasterboard |
| 1600mm              | 1600mm       | 450mm                    | 1 x 16mm Plasterboard | Not Allowed           |
|                     | 1600mm       | 600mm                    | 1 x 13mm plasterboard | Not Allowed           |

|                    |                        |
|--------------------|------------------------|
| 10mm Plasterboard  | 6.8kgs m <sup>2</sup>  |
| 13mm Plasterboard  | 8.6kgs m <sup>2</sup>  |
| 13mm Plasterboard  | 10.5kgs m <sup>2</sup> |
| 16mm Plasterboard  | 13kgs m <sup>2</sup>   |
| 10mm Ceiling Board | 7.2kgs m <sup>2</sup>  |

### Design Loads Based On Items Below

|          |                     |
|----------|---------------------|
| BP794033 | 3600mm Main Bar     |
| BP796133 | 1600mm Cross Runner |
| BP793133 | 1250mm Cross Runner |
| BP793033 | 1200mm Cross Runner |

## Load Data

| Module Size | Grid System Weight (kg/m <sup>2</sup> ) |
|-------------|---|
| 1200 x 450  | 1.43                                    |
| 1200 x 600  | 1.17                                    |
| 1250 x 450  | 1.42                                    |
| 1250 x 600  | 1.16                                    |
| 1600 x 450  | 1.33                                    |
| 1600 x 600  | 1.08                                    |

### Ceiling Load Calculator

To determine compliance of system (In accordance with AS2785:2000), based on project requirements, apply the following calculator:

- Determine Dead Load (G) = Sum of following:
  - Plasterboard weight in kg/m<sup>2</sup> = A
  - Grid weight based on module (Fig 2) = B
  - Fixtures Load (Includes lights etc) = C
 Dead Load (G) = Sum (A+B+C) x 1.4 = \_ kg/m<sup>2</sup>
- Add Service Load (U) = 3kg/m<sup>2</sup> x 1.7 = 5.1kg/m<sup>2</sup>
- Actual Ceiling Load = G + U = \_kg/m<sup>2</sup>
- For compliance to AS2785:2000, the Calculated Ceiling Load (G+U) must be less than the System Capacity.

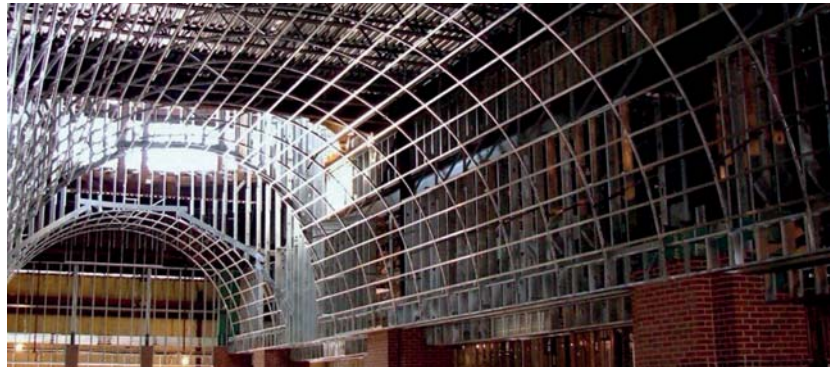
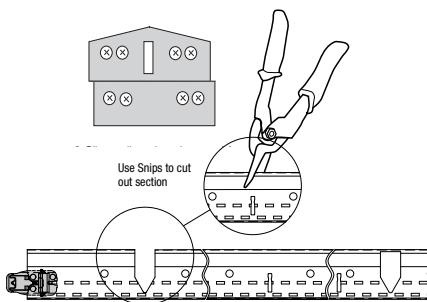
Note: Light fixtures and other mechanical services may require additional suspension points or be independently suspended.

### Worked Example of Actual Project Ceiling Load: Using 13mm plasterboard and Grid Module: 1200x600mm

- Determine Dead Load (G) = Sum of following:
  - Plasterboard weight in 8.2kg/m<sup>2</sup> = A
  - Grid weight based on module (Fig 2) = 1.17kg/sm<sup>2</sup> = B
  - Fixtures Load (Includes lights etc) = Assume Nil based on light fixture = weight of plasterboard
 Dead Load (G) = Sum (A+B+C) x 1.4 = 13.12 kg/m<sup>2</sup>
- Add Service Load (U) = 3kg/m<sup>2</sup> x 1.7 = 5.1kg/m<sup>2</sup>
- Actual Ceiling Load = G + U = 18.21kg/m<sup>2</sup>
- System complies to AS2785:2000, as the Calculated Ceiling Load (G+U) < 18.79kg/sm (being the System Capacity).

# CURVED CEILINGS

An unlimited range of curved ceilings can simply be constructed using standard Armstrong Drywall Grid components. Single and multiple curved ceilings can be framed quickly and easily, without the requirement to order pre-rolled components.



## Features

- Standard Main Bars are simply Faceted on site
- Limitless Concave or Convex designs
- Pre-engineered accessories
- Off site curving can be made to order

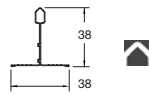
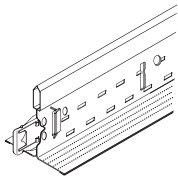
## Creating Curved Framing Ceilings

### Faceting the Main Bar

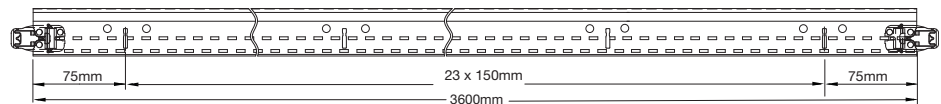
Three simple steps:

- Cut Main Bar as required
- Bend the face of the Main Bar to match the desired radius
- Screw fix Radius Clip to reinforce Main Bar at each "cutout" location (use four #6 x12mm button head screws).

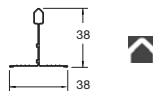
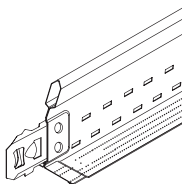
### Main Bar: PeakForm 38 with Knurled Face and SuperLock Clip (bulb-to-bulb connection)



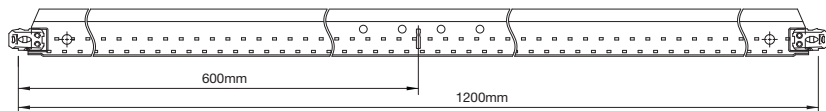
| Item Number | Dimensions  |             |           | Rout Spacing<br>mm | Content / Carton / Weight |      |    |
|-------------|-------------|-------------|-----------|--------------------|---------------------------|------|----|
|             | length (mm) | height (mm) | face (mm) |                    | pcs                       | lm   | kg |
| BP 794033   | 3600        | 38          | 38        | 150cc              | 12                        | 43.2 | 24 |



### Cross Runner: PeakForm 38 XL<sup>2</sup> with Knurled Face (stab connection, override)

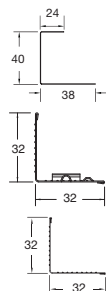
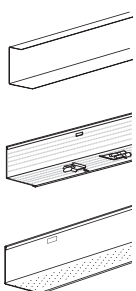


| Item Number | Dimensions  |             |           | Rout Spacing<br>mm | Content / Carton / Weight |       |    |
|-------------|-------------|-------------|-----------|--------------------|---------------------------|-------|----|
|             | length (mm) | height (mm) | face (mm) |                    | pcs                       | lm    | kg |
| BP 793033   | 1200        | 38          | 38        | Centre             | 36                        | 43.20 | 21 |



## Perimeter Trims

A variety of drywall grid perimeter trims and accessories are available to provide problem-solving solutions that save time, labor and money.



| Item Number  | Dimensions  |             |           | Rout Spacing<br>mm | Content / Carton / Weight |      |      |
|--|-------------|-------------|-----------|--------------------|---------------------------|------|------|
|  | length (mm) | height (mm) | face (mm) |                    | pcs                       | lm   | kg   |
| Knurled Channel Moulding (hemmed with Knurled lower leg) |             |             |           |                    |                           |      |      |
| BP KCM 36  | 3600        | 40          | 38        | —                  | 12                        | 43.2 | 15.6 |
| Locking Angle Trim (hemmed with Knurled faces)           |             |             |           |                    |                           |      |      |
| BP LAT36   | 3600        | 32          | 32        | 75 in / 150 o.c.   | 20                        | 72   | 26   |
| Angle Trim (hemmed with Knurled faces)                   |             |             |           |                    |                           |      |      |
| BP KAM36   | 3600        | 32          | 32        | —                  | 20                        | 72   | 26   |

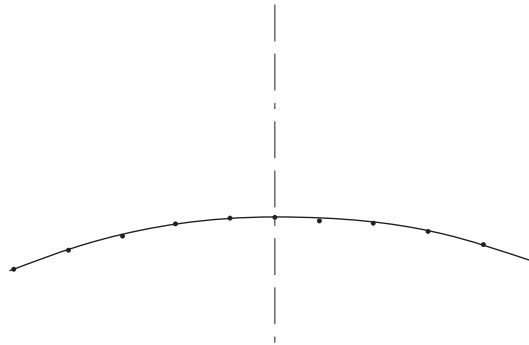
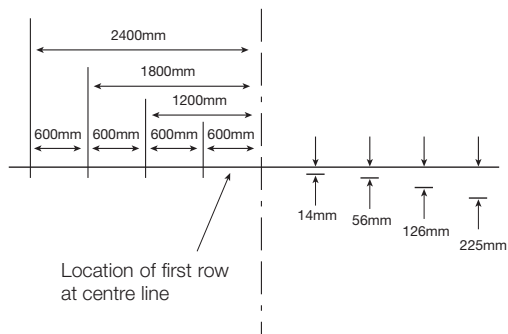


# CURVED CEILINGS

## Establishing an arc

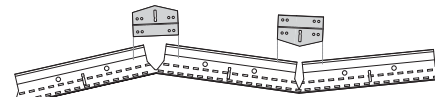
1. Establish a centre line
2. Mark 600mm increments on line perpendicular to centre line
3. At 600mm marks, identify points of arc below perpendicular line (maintain consistent spacing of point). See radius charts on page 14.
4. Connect points to form a smooth arc

**Example:** 12.9 m using chart on page 17.



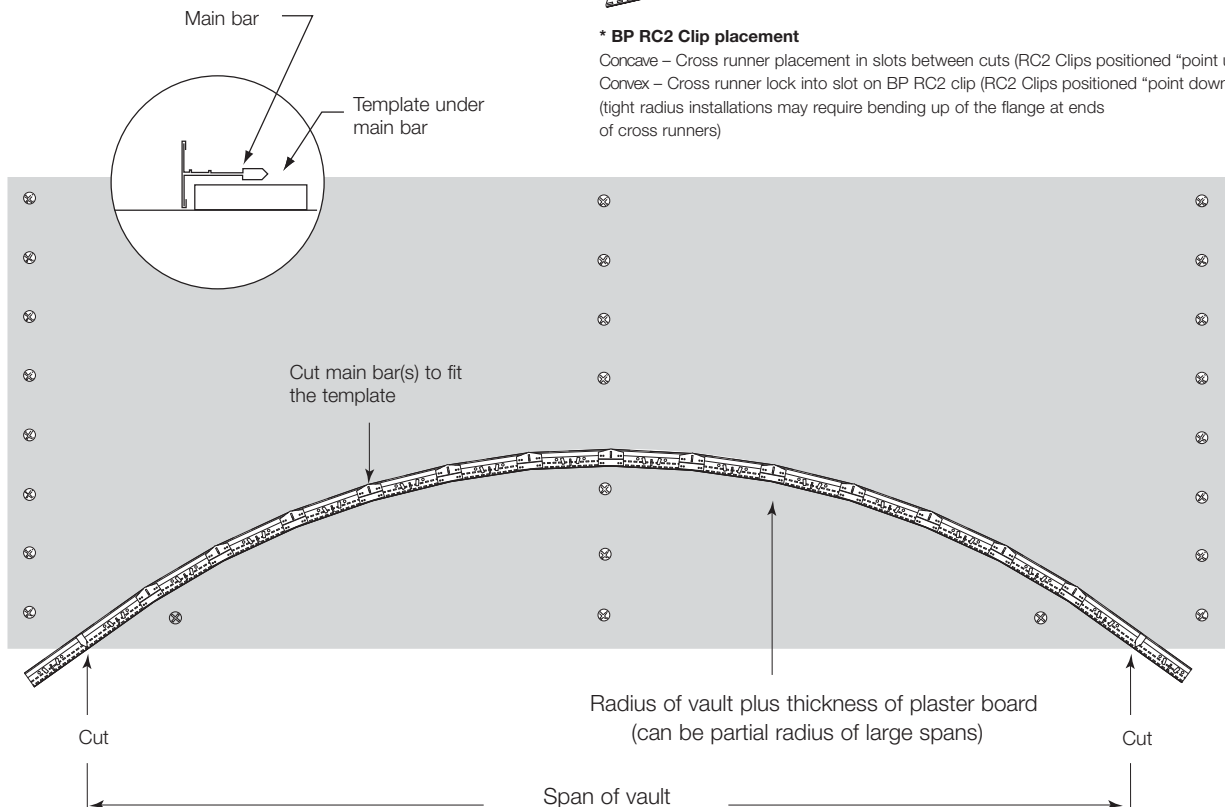
## Completing the template

1. Draw radius on template
2. Cut along the radius and remove section of template
3. Cut main bar as required and position along the cut radius on the template (use the chart below)
4. Screw BP RC2 clips to faceted main bar at all cutout locations \*
5. On the template, mark a slot location reference point to maintain consistent slot location



### \* BP RC2 Clip placement

Concave – Cross runner placement in slots between cuts (RC2 Clips positioned "point up")  
 Convex – Cross runner lock into slot on BP RC2 clip (RC2 Clips positioned "point down")  
 (tight radius installations may require bending up of the flange at ends of cross runners)

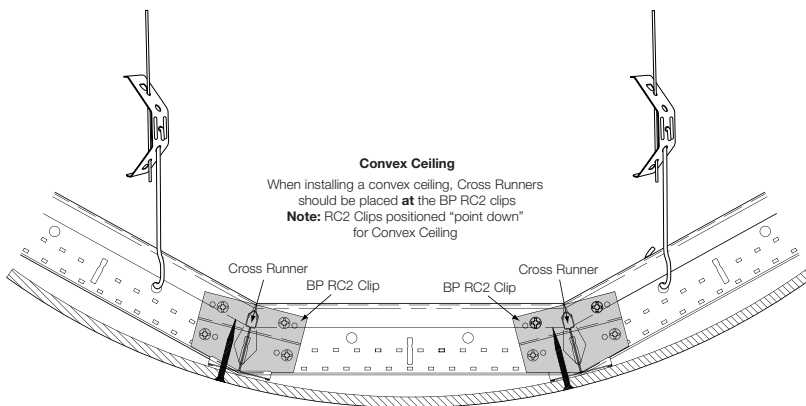
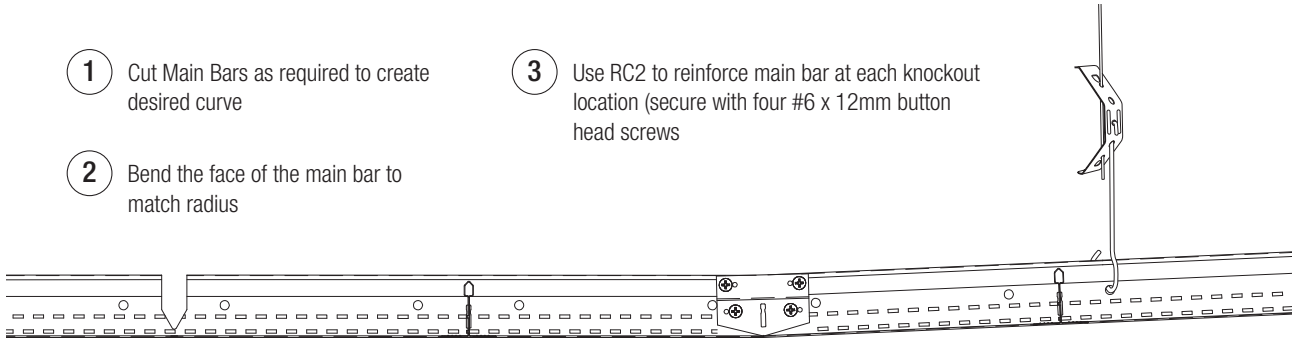


# CURVED CEILINGS

## Creating Convex Ceilings

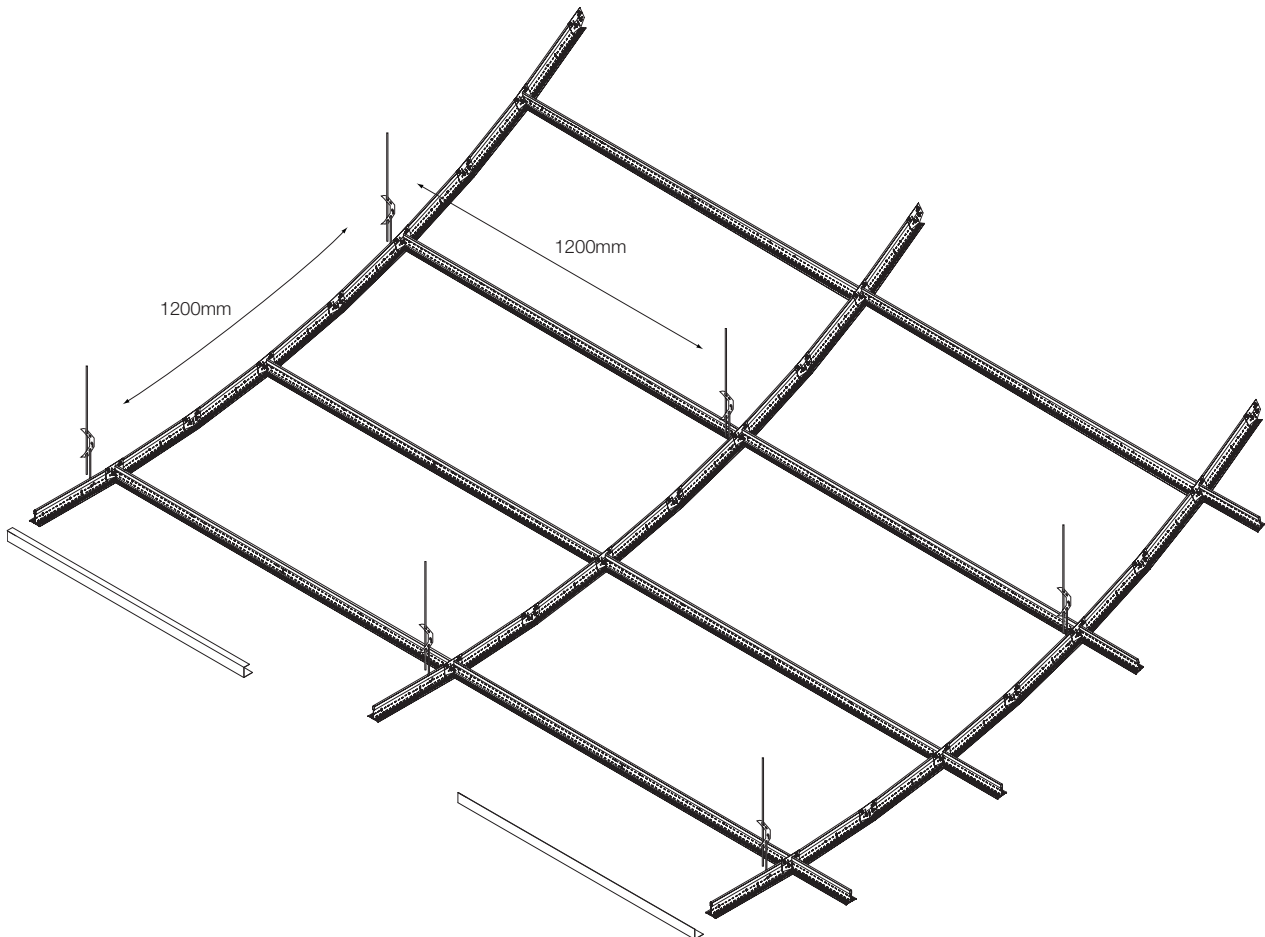
An unlimited range of convex ceilings can be constructed by faceting the Main Bars on the job site to meet design needs.

- 1 Cut Main Bars as required to create desired curve
- 2 Bend the face of the main bar to match radius
- 3 Use RC2 to reinforce main bar at each knockout location (secure with four #6 x 12mm button head screws)



- Suspension hangers spaced along the Main Bars not more than 1200mm on centre (dependent upon plaster board construction).
- Add vertical braces as required to stabilize the frame.
- Thickness of the sheeting material is determined by its plasticity. (Refer to supplying manufacturer's recommendation).

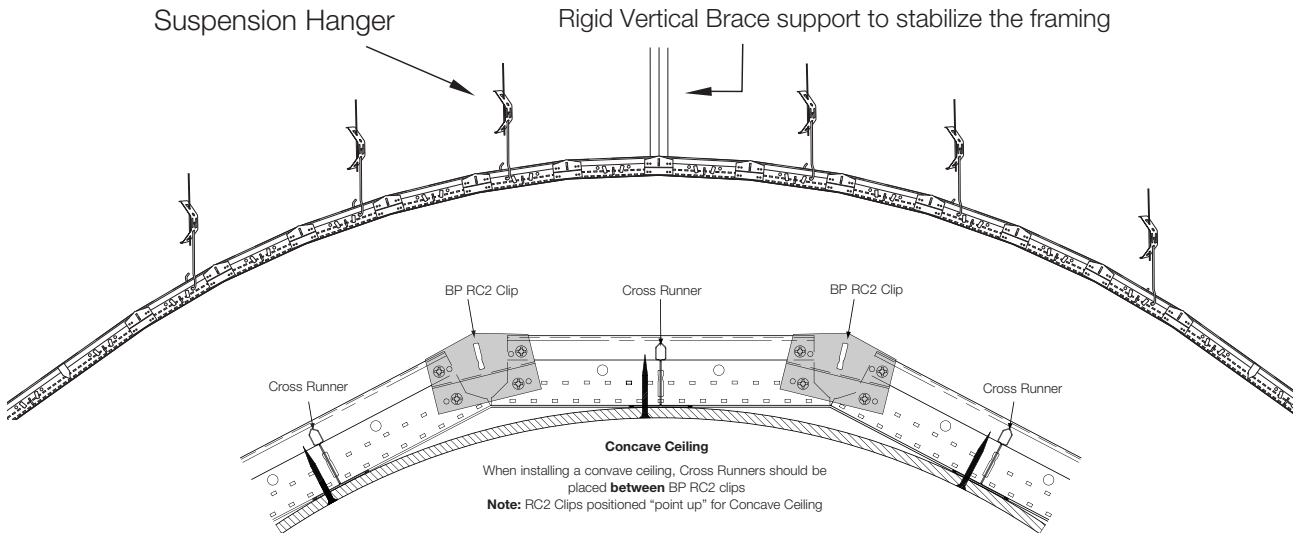
Note: Place RC2 clip on the side of the web where the rotary stitching forms a cavit. This allows the clip to be flush with the web.



# CURVED CEILINGS

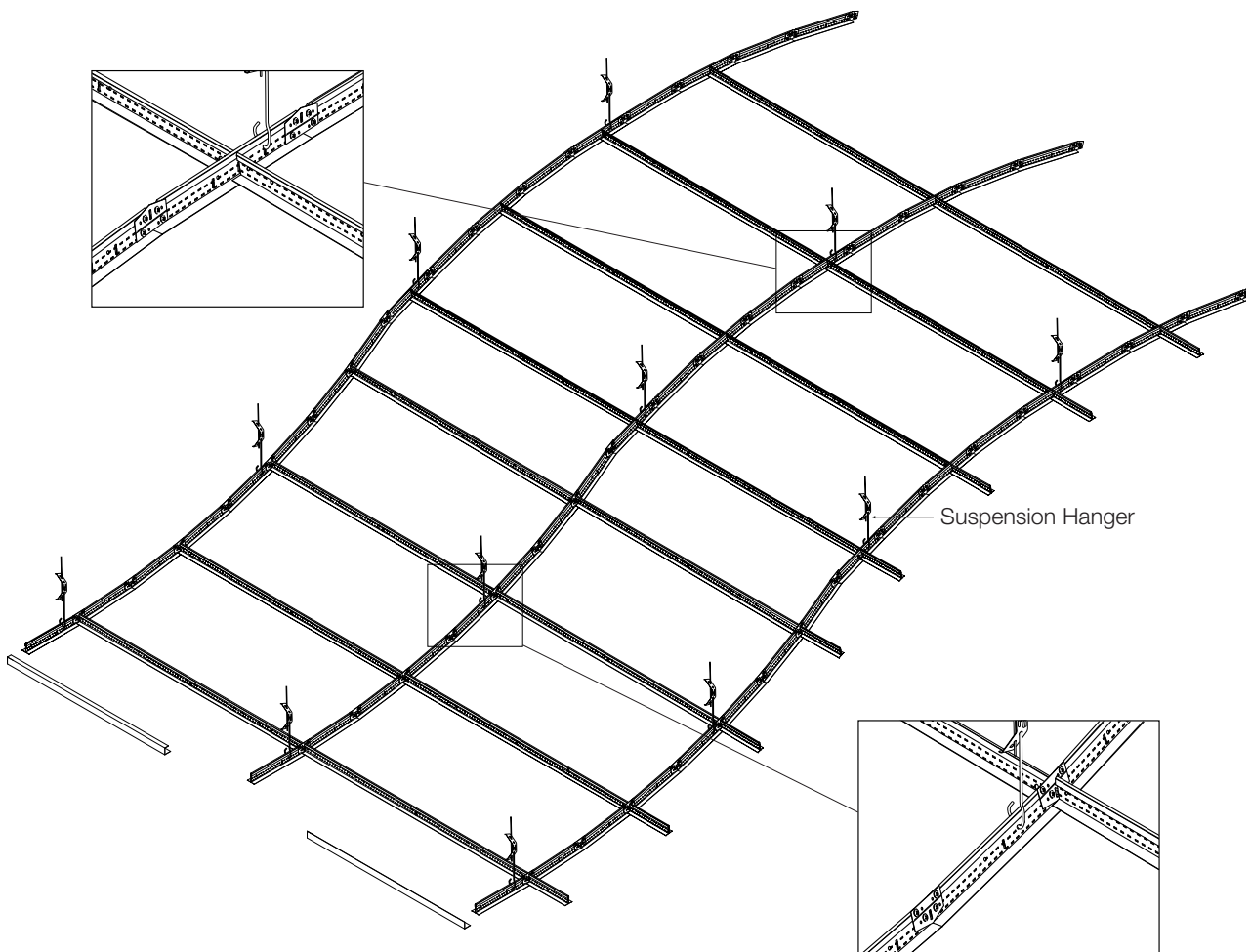
## Creating Concave Ceilings and Undulating Ceilings (Waves)

An unlimited range of concave ceilings can be constructed by faceting the Main Bars on the job site to meet design needs. Single and multiple curved ceilings can be framed quickly and easily.



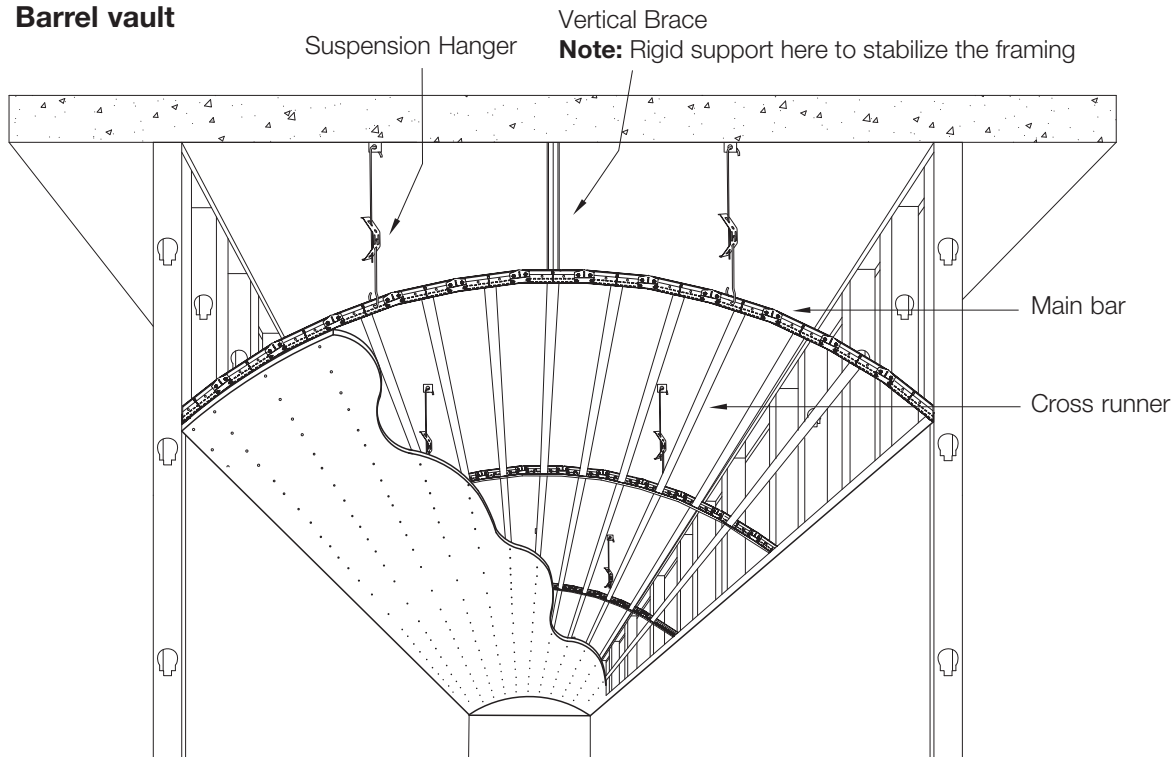
- Suspension hangers spaced along the Main Bars not more than 1200mm on centre (dependent upon plaster board construction).
- Add vertical braces as required to stabilize the frame.
- Thickness of the sheeting material is determined by its plasticity. (Refer to supplying manufacturer's recommendation).

Note: Place RC2 clip on the side of the web where the rotary stitching forms a cavit. This allows the clip to be flush with the web.

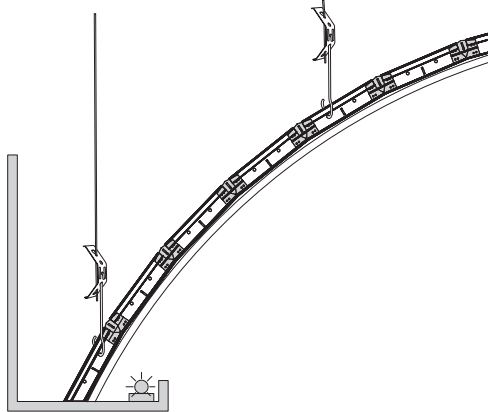


## Special Curved Solutions

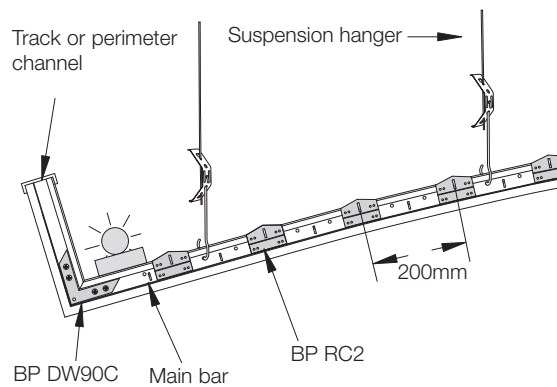
### Barrel vault



### Vault perimeter light cove



### Floating vault



## Cantilever Ceilings

A maximum cantilever dimension of 450 mm is allowed on the following basis:

1. Being the sum of both the horizontal and vertical elements.
2. Is measured as the distance from a hanger to the terminal end of the cantilever.

Note: Regardless of the horizontal dimension, a diagonal brace must be installed if the vertical dimension exceeds 300mm. (applies to flat or curved installation – as shown).



# CURVED CEILINGS

|                                   |              | Radius dimension in mm |              |              |              |              |              |              |              |              |              |              |              |              |              |              |
|-----------------------------------|--------------|------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| 600mm increments from centre line |              | <b>3000</b>            | <b>3300</b>  | <b>3600</b>  | <b>3900</b>  | <b>4200</b>  | <b>4500</b>  | <b>4800</b>  | <b>5100</b>  | <b>5400</b>  | <b>5700</b>  | <b>6000</b>  | <b>6300</b>  | <b>6600</b>  | <b>6900</b>  | <b>7200</b>  |
|                                   | <b>600</b>   | 60                     | 55           | 50           | 46           | 43           | 40           | 38           | 35           | 33           | 32           | 30           | 29           | 27           | 26           | 25           |
|                                   | <b>1200</b>  | 250                    | 226          | 206          | 189          | 175          | 163          | 152          | 143          | 135          | 128          | 121          | 115          | 110          | 105          | 101          |
|                                   | <b>1800</b>  | 600                    | 534          | 482          | 440          | 405          | 376          | 350          | 328          | 309          | 292          | 276          | 263          | 250          | 239          | 229          |
|                                   | <b>2400</b>  | 1200                   | 1035         | 917          | 826          | 753          | 693          | 643          | 600          | 563          | 530          | 501          | 475          | 452          | 431          | 412          |
|                                   |              | <b>7500</b>            | <b>7800</b>  | <b>8100</b>  | <b>8400</b>  | <b>8700</b>  | <b>9000</b>  | <b>9300</b>  | <b>9600</b>  | <b>9900</b>  | <b>10200</b> | <b>10500</b> | <b>10800</b> | <b>11100</b> | <b>11400</b> | <b>11700</b> |
|                                   | <b>600</b>   | 24                     | 23           | 22           | 21           | 21           | 20           | 19           | 19           | 18           | 18           | 17           | 17           | 16           | 16           | 15           |
|                                   | <b>1200</b>  | 97                     | 93           | 89           | 86           | 83           | 80           | 78           | 75           | 73           | 71           | 69           | 67           | 65           | 63           | 62           |
|                                   | <b>1800</b>  | 219                    | 211          | 203          | 195          | 188          | 182          | 176          | 170          | 165          | 160          | 155          | 151          | 147          | 143          | 139          |
|                                   | <b>2400</b>  | 394                    | 378          | 364          | 350          | 338          | 326          | 315          | 305          | 295          | 286          | 278          | 270          | 263          | 255          | 249          |
|                                   |              | <b>12000</b>           | <b>12300</b> | <b>12600</b> | <b>12900</b> | <b>13200</b> | <b>13500</b> | <b>13800</b> | <b>14100</b> | <b>14400</b> | <b>14700</b> | <b>15000</b> | <b>15300</b> | <b>15600</b> | <b>15900</b> | <b>16200</b> |
|                                   | <b>600</b>   | 15                     | 15           | 14           | 14           | 14           | 13           | 13           | 13           | 13           | 12           | 12           | 12           | 12           | 11           | 11           |
|                                   | <b>1200</b>  | 60                     | 59           | 57           | 56           | 55           | 53           | 52           | 51           | 50           | 49           | 48           | 47           | 46           | 45           | 45           |
|                                   | <b>1800</b>  | 136                    | 132          | 129          | 126          | 123          | 121          | 118          | 115          | 113          | 111          | 108          | 106          | 104          | 102          | 100          |
|                                   | <b>2400</b>  | 242                    | 236          | 231          | 225          | 220          | 215          | 210          | 206          | 201          | 197          | 193          | 189          | 186          | 182          | 179          |
|                                   |              | <b>16500</b>           | <b>16800</b> | <b>17100</b> | <b>17400</b> | <b>17700</b> | <b>18000</b> | <b>18300</b> | <b>18600</b> | <b>18900</b> | <b>19200</b> | <b>19500</b> | <b>19800</b> | <b>20100</b> | <b>20400</b> | <b>20700</b> |
| <b>600</b>                        | 11           | 11                     | 11           | 10           | 10           | 10           | 10           | 10           | 10           | 9            | 9            | 9            | 9            | 9            | 9            |              |
| <b>1200</b>                       | 44           | 43                     | 42           | 41           | 41           | 40           | 39           | 39           | 38           | 38           | 37           | 36           | 36           | 35           | 35           |              |
| <b>1800</b>                       | 98           | 97                     | 95           | 93           | 92           | 90           | 89           | 87           | 86           | 85           | 83           | 82           | 81           | 80           | 78           |              |
| <b>2400</b>                       | 175          | 172                    | 169          | 166          | 163          | 161          | 158          | 155          | 153          | 151          | 148          | 146          | 144          | 142          | 140          |              |
|                                   | <b>21000</b> | <b>21300</b>           | <b>21600</b> | <b>21900</b> | <b>22200</b> | <b>22500</b> | <b>22800</b> | <b>23100</b> | <b>23400</b> | <b>23700</b> | <b>24000</b> | <b>24300</b> | <b>24600</b> | <b>24900</b> | <b>25200</b> |              |
| <b>600</b>                        | 9            | 8                      | 8            | 8            | 8            | 8            | 8            | 8            | 8            | 8            | 8            | 7            | 7            | 7            | 7            |              |
| <b>1200</b>                       | 34           | 34                     | 33           | 33           | 32           | 32           | 32           | 31           | 31           | 30           | 30           | 30           | 29           | 29           | 29           |              |
| <b>1800</b>                       | 77           | 76                     | 75           | 74           | 73           | 72           | 71           | 70           | 69           | 68           | 68           | 67           | 66           | 65           | 64           |              |
| <b>2400</b>                       | 138          | 136                    | 134          | 132          | 130          | 128          | 127          | 125          | 123          | 122          | 120          | 119          | 117          | 116          | 115          |              |
|                                   | <b>25500</b> | <b>25800</b>           | <b>26100</b> | <b>26400</b> | <b>26700</b> | <b>27000</b> | <b>27300</b> | <b>27600</b> | <b>27900</b> | <b>28200</b> | <b>28500</b> | <b>28800</b> | <b>29100</b> | <b>29400</b> | <b>29700</b> |              |
| <b>600</b>                        | 7            | 7                      | 7            | 7            | 7            | 7            | 7            | 7            | 6            | 6            | 6            | 6            | 6            | 6            | 6            |              |
| <b>1200</b>                       | 28           | 28                     | 28           | 27           | 27           | 27           | 26           | 26           | 26           | 26           | 25           | 25           | 25           | 25           | 24           |              |
| <b>1800</b>                       | 64           | 63                     | 62           | 61           | 61           | 60           | 59           | 59           | 58           | 58           | 57           | 56           | 56           | 55           | 55           |              |
| <b>2400</b>                       | 113          | 112                    | 111          | 109          | 108          | 107          | 106          | 105          | 103          | 102          | 101          | 100          | 99           | 98           | 97           |              |
|                                   | <b>30000</b> | <b>30300</b>           | <b>30600</b> | <b>30900</b> | <b>31200</b> | <b>31500</b> | <b>31800</b> | <b>32100</b> | <b>32400</b> | <b>32700</b> | <b>33000</b> | <b>33300</b> | <b>33600</b> | <b>33900</b> | <b>34200</b> |              |
| <b>600</b>                        | 6            | 6                      | 6            | 6            | 6            | 6            | 6            | 6            | 6            | 6            | 5            | 5            | 5            | 5            | 5            |              |
| <b>1200</b>                       | 24           | 24                     | 24           | 23           | 23           | 23           | 23           | 22           | 22           | 22           | 22           | 22           | 21           | 21           | 21           |              |
| <b>1800</b>                       | 54           | 54                     | 53           | 52           | 52           | 51           | 51           | 51           | 50           | 50           | 49           | 49           | 48           | 48           | 47           |              |
| <b>2400</b>                       | 96           | 95                     | 94           | 93           | 92           | 92           | 91           | 90           | 89           | 88           | 87           | 87           | 86           | 85           | 84           |              |
|                                   | <b>34500</b> | <b>34800</b>           | <b>35100</b> | <b>35400</b> | <b>35700</b> |              |              |              |              |              |              |              |              |              |              |              |
| <b>600</b>                        | 5            | 5                      | 5            | 5            | 5            |              |              |              |              |              |              |              |              |              |              |              |
| <b>1200</b>                       | 21           | 21                     | 21           | 20           | 20           |              |              |              |              |              |              |              |              |              |              |              |
| <b>1800</b>                       | 47           | 47                     | 46           | 46           | 45           |              |              |              |              |              |              |              |              |              |              |              |
| <b>2400</b>                       | 84           | 83                     | 82           | 81           | 81           |              |              |              |              |              |              |              |              |              |              |              |

# QUIKSTIX BULKHEADS

Armstrong DGS QuikStix is a fast and easy solution for framing "Bulkhead" Ceilings and an economical alternative to Stud and Track construction.

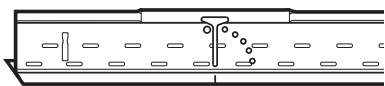
## Features

- Knockouts at 150mm centers reduces cutting time.
- Alignment holes make screw installation simple and forms perfect 30, 45, 60, 75 and 90 degree angles.
- Flattened bulb is offset to allow true angles without interference.
- Bending crimp prevents misalignment.
- 90 degree angle fits locking angle mold (LAT-36).

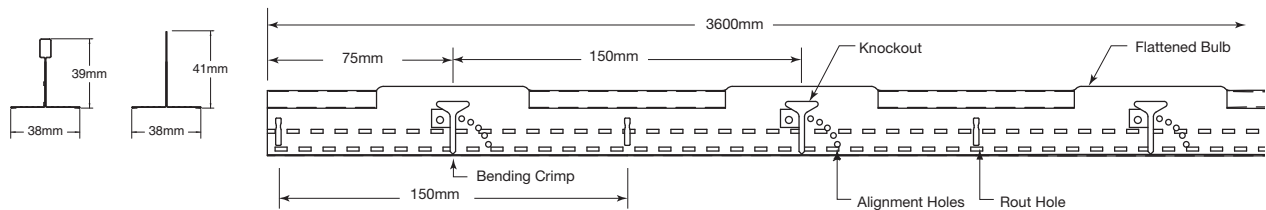


## Components

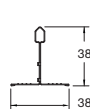
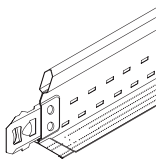
### QuikStix Tee with Knurled Face



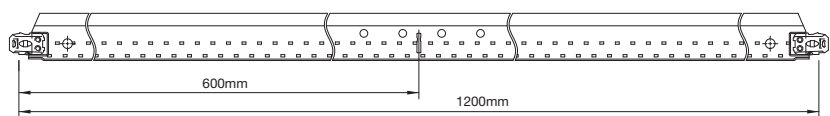
| Item Number | Dimensions  |             |           | Rout Spacing<br>mm | Content / Bundle / Weight |      |    |
|-------------|-------------|-------------|-----------|--------------------|---------------------------|------|----|
|             | length (mm) | height (mm) | face (mm) |                    | pcs                       | lm   | kg |
| BP 79QS36   | 3600        | 39/41       | 38        | 75 in / 150 o.c.   | 12                        | 43.2 | 21 |



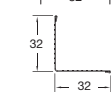
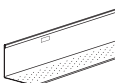
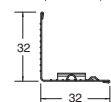
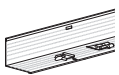
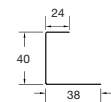
### Cross Runner: PeakForm 38 XL<sup>2</sup> with Knurled Face (stab connection, override)



|           |      |    |    |        |    |      |    |
|-----------|------|----|----|--------|----|------|----|
| BP 793033 | 1200 | 38 | 38 | Centre | 36 | 43.2 | 21 |
|-----------|------|----|----|--------|----|------|----|

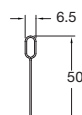
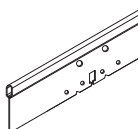


### Perimeter Trims



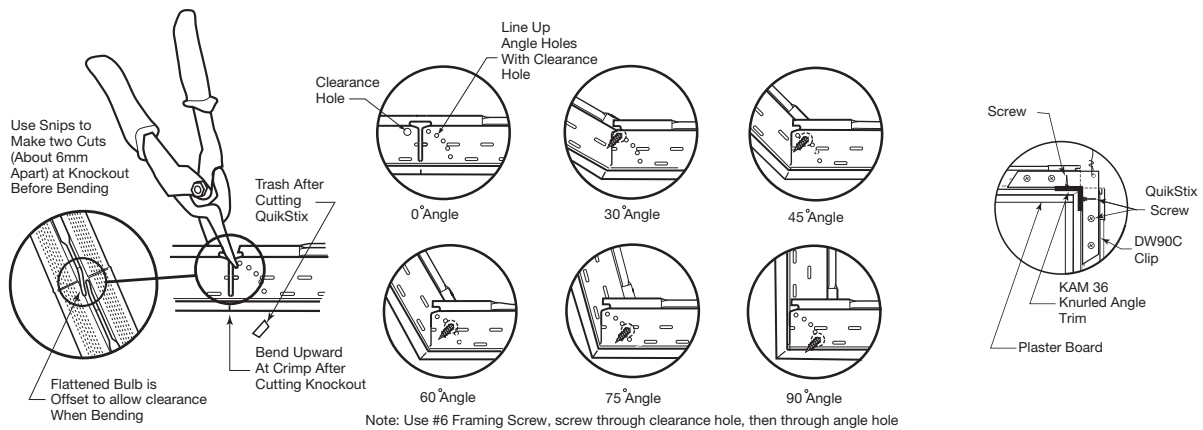
|   |      |    |    |                  |    |      |      |
|---|------|----|----|------------------|----|------|------|
| Knurled Channel Moulding (hemmed with Knurled lower leg)<br>BP KCM 36 | 3600 | 40 | 38 | —                | 12 | 43.2 | 15.6 |
| Locking Angle Trim (hemmed with Knurled faces)<br>BP LAT36            | 3600 | 32 | 32 | 75 in / 150 o.c. | 20 | 72   | 26   |
| Angle Trim (hemmed with Knurled faces)<br>BP KAM36                    | 3600 | 32 | 32 | —                | 20 | 72   | 26   |

### StrongBack Support

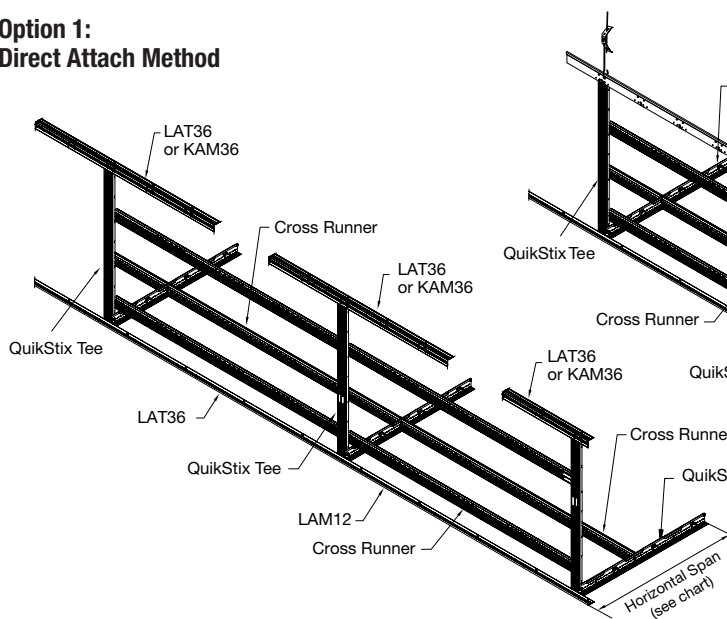


|           |      |    |   |     |    |       |    |
|-----------|------|----|---|-----|----|-------|----|
| BP 79SB36 | 3600 | 50 | — | 150 | 12 | 43.20 | 21 |
|-----------|------|----|---|-----|----|-------|----|

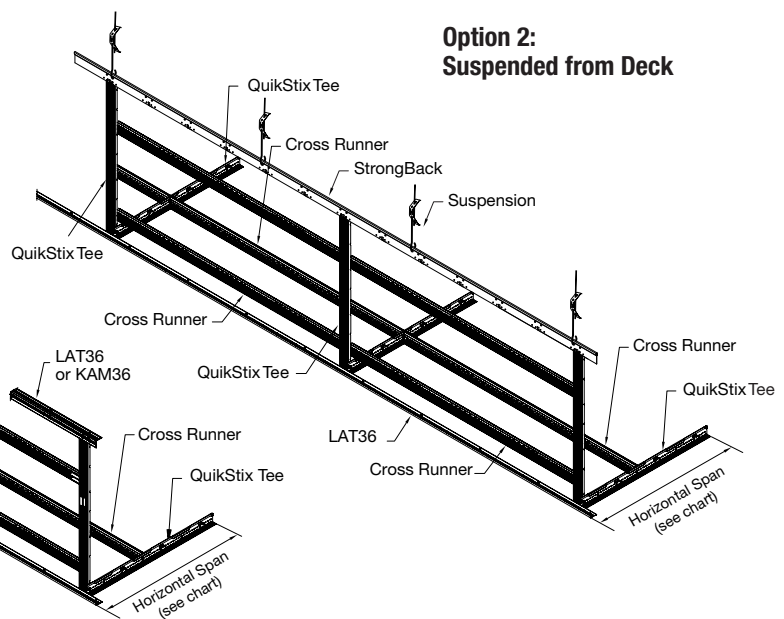
# QUIKSTIX BULKHEADS



## Option 1: Direct Attach Method



## Option 2: Suspended from Deck



## QuikStix Bulkhead Board Loadings/Design – Maximum Weight m<sup>2</sup>

**NOTE** – Horizontal Spans Greater Than 900mm Require Vertical Support

**NOTE** – For Stepped Bulkheads Please Consult The DGS Technical Guide

| Frame Centres | Horizontal Span       |                       |                       |                       |
|---------------|-----------------------|-----------------------|-----------------------|-----------------------|
|               | 400mm                 | 600mm                 | 800mm                 | 900mm                 |
| 600mm         | 1 x 16mm Plasterboard | 1 X 16mm Plasterboard | 1 x 13mm Plasterboard | 1 x 13mm Plasterboard |

**NOTE** – All Vertical Framing To Be Installed At A Maximum Of 600mm Centres

| Suspended Bulkhead |               |
|--------------------|---------------|
| Suspension Points  | Vertical Drop |
| 600mm Centres      | 2775mm        |
| 1200mm Centres     | 1050mm        |

| Direct Fixed Bulkhead |               |
|-----------------------|---------------|
| Fixing Centres        | Vertical Drop |
| 600mm                 | 2775mm        |

**NOTE** – Suspended Bulkheads to be screw fixed to strongback  
Refer to above table for suspension Points

|                    |                        |
|--------------------|------------------------|
| 10mm Plasterboard  | 6.8kgs m <sup>2</sup>  |
| 13mm Plasterboard  | 8.6kgs m <sup>2</sup>  |
| 13mm Plasterboard  | 10.5kgs m <sup>2</sup> |
| 16mm Plasterboard  | 13kgs m <sup>2</sup>   |
| 10mm Ceiling Board | 7.2kgs m <sup>2</sup>  |

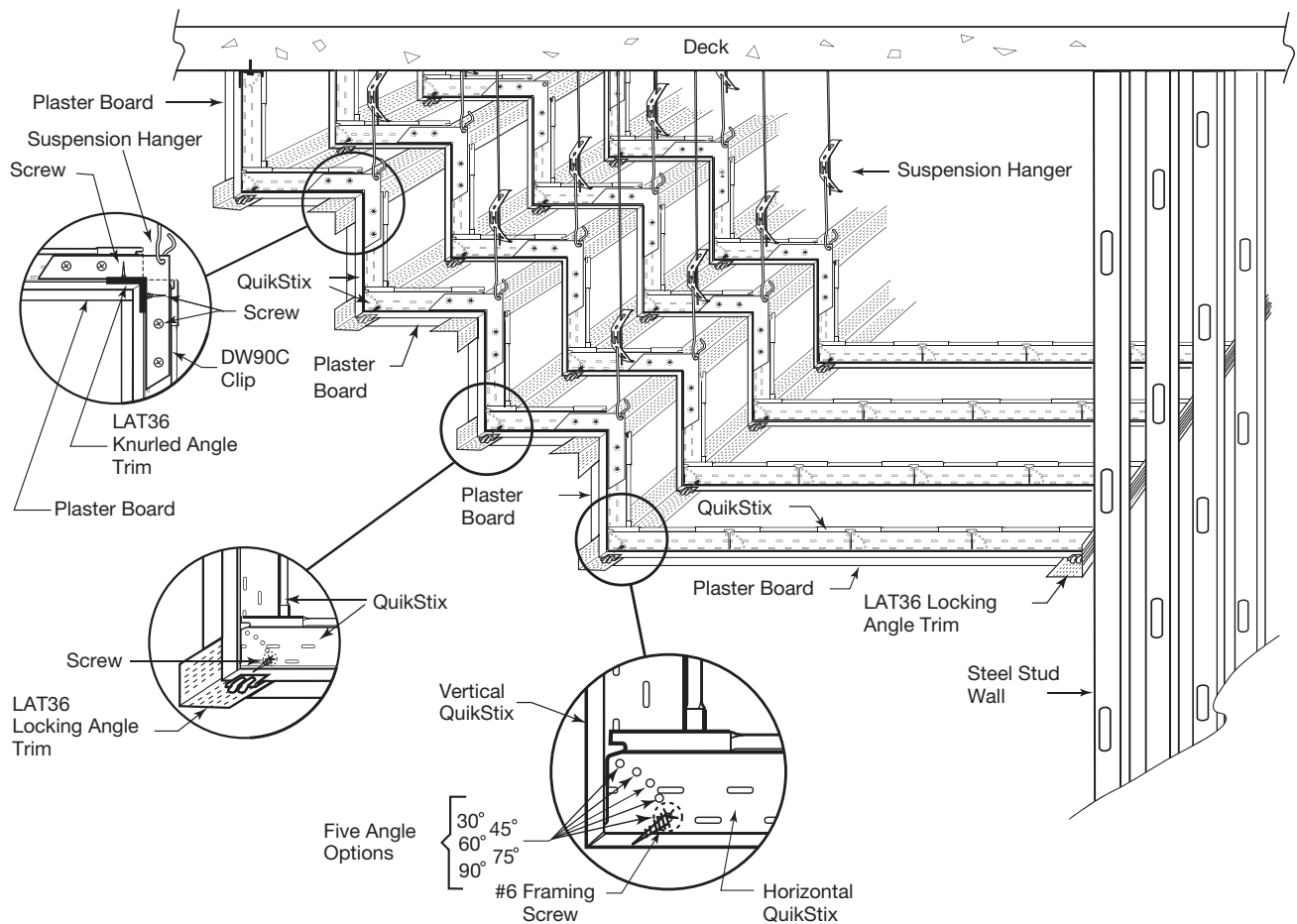
### Design Loads Based On Items Below

|          |            |
|----------|------------|
| BP79QS36 | QUIKSTIX   |
| BP79SB36 | STRONGBACK |

## Loadings/Design Considerations

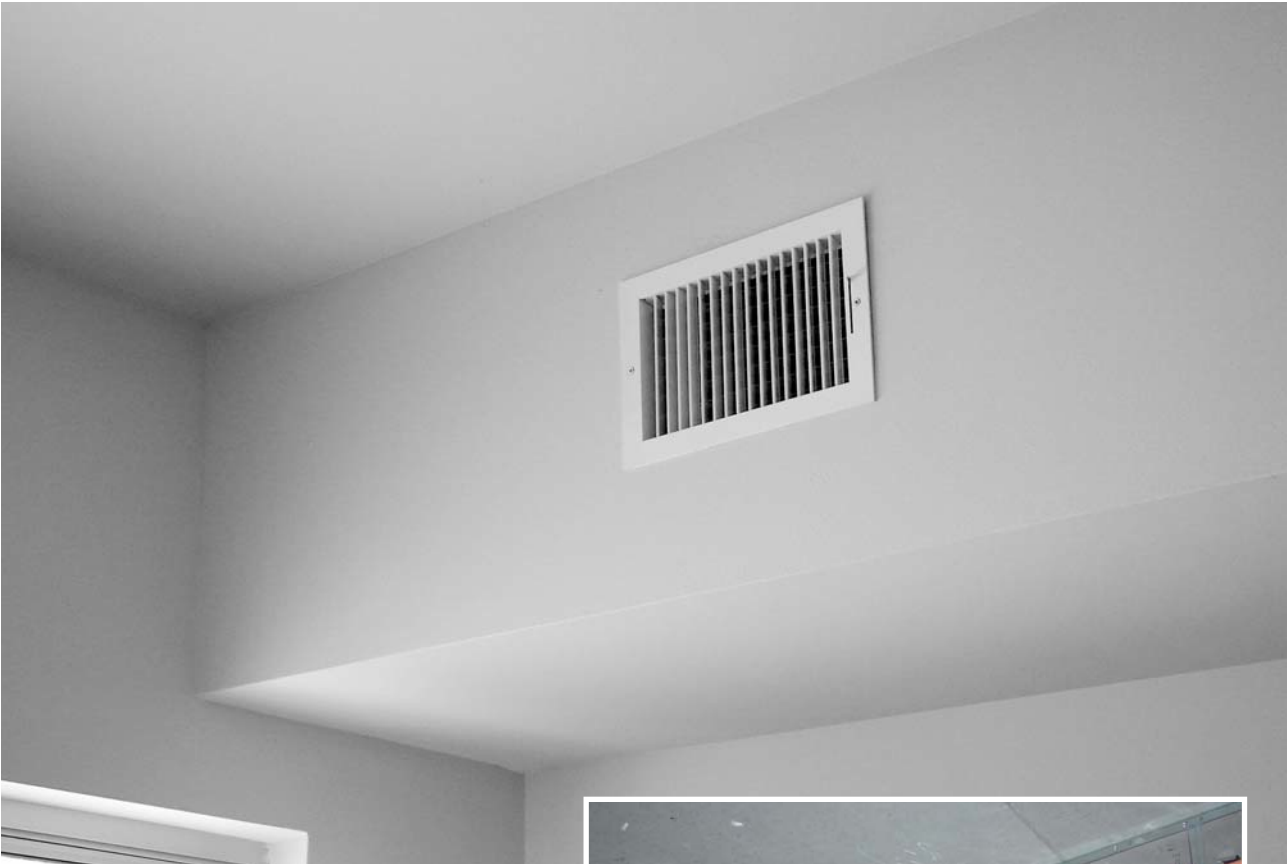
- If QS section is spaced at 600 on centre, with a horizontal span of 900, the system will carry 18.16 kg/m<sup>2</sup>.
- Moving QS sections further apart, to 1200, with 1200 tees between, and a horizontal span of 800, the system will carry 10.22 kg/m<sup>2</sup>.
- If tees are used to spread QS sections further apart, tees should be installed at 450 o/c.
- Horizontal spans greater than 900 require vertical support.
- Diagonal bracing as required inside the soffit.
- Vertical height of soffit can be taken from chart.
- Vertical Drops measured when BoxBeam is suspended by StrongBack.
- If BoxBeam is suspended from upper ceiling, it must be screwed directly to main beams, with a hanger to structure above the connection. Diagonal bracing inside the box as required.
- Box ribs spaced at 600 o/c.
- Loads applied based on 15mm board, with board on two sides and bottom.
- Dimensions are for each side of box or drop – 2925 maximum drop for soffit/box.

## Drywall Step Vertical





# QUIKSTIX BULKHEADS



Above: A completed QuikStix Bulkhead Installation

Right: QuikStix Bulkhead Installation in progress



QuikStix Knockout Close-up



QuikStix Large Bulkhead



QuikStix Stepped Bulkhead

# SHORTSPAN

Armstrong DGS – ShortSpan is a fast and easy solution for framing short spans and an economical alternative to TCR and Furring Channel constructions.

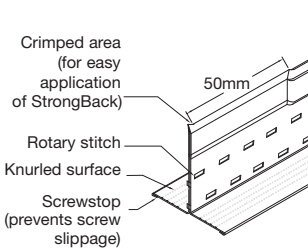
## Features

- ShortSpan enables framing without suspension hangers to a maximum span of 1600mm, saving material and time
- ShortSpan Tees engage to the Armstrong Locking Angles Trims at the perimeter without the need to screw fix.
- Longer spans can be simply achieved using the StrongBack Support at 1600mm centres.

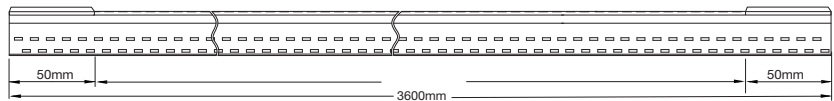


## Components

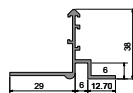
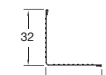
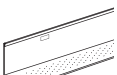
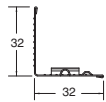
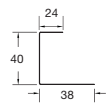
### ShortSpan Tee with Knurled Face



| Item Number | Dimensions  |             |           | Rout Spacing<br>mm | Content / Bundle / Weight |      |    |
|-------------|-------------|-------------|-----------|--------------------|---------------------------|------|----|
|             | length (mm) | height (mm) | face (mm) |                    | pcs                       | lm   | kg |
| BP 79S36    | 3600        | 38          | 38        | –                  | 12                        | 43.2 | 20 |



### Perimeter Trims / Transition Trim



**Perimeter Trim:** Knurled Channel Moulding (hemmed with Knurled lower leg)

|           |      |    |    |   |    |      |      |
|-----------|------|----|----|---|----|------|------|
| BP KCM 36 | 3600 | 40 | 38 | – | 12 | 43.2 | 15.6 |
|-----------|------|----|----|---|----|------|------|

**Perimeter Trim:** Locking Angle Trim (hemmed with Knurled faces)

|          |      |    |    |                  |    |    |    |
|----------|------|----|----|------------------|----|----|----|
| BP LAT36 | 3600 | 32 | 32 | 75 in / 150 o.c. | 20 | 72 | 26 |
|----------|------|----|----|------------------|----|----|----|

**Perimeter Trim:** Angle Trim (hemmed with Knurled faces)

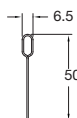
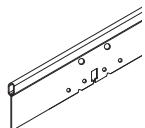
|          |      |    |    |   |    |    |    |
|----------|------|----|----|---|----|----|----|
| BP KAM36 | 3600 | 32 | 32 | – | 20 | 72 | 26 |
|----------|------|----|----|---|----|----|----|

Shadowline reveal with Knurled Face for PB fixing and Pre-painted Global White finish

|                |      |    |      |   |    |    |    |
|----------------|------|----|------|---|----|----|----|
| ALPTPERFTH3600 | 3600 | 38 | 45.5 | – | 20 | 72 | 24 |
|----------------|------|----|------|---|----|----|----|

Plasterboard Transition Set Bead With 6mm Revel – Satin White

### StrongBack Support



|           |      |    |   |                  |    |       |    |
|-----------|------|----|---|------------------|----|-------|----|
| BP 79SB36 | 3600 | 50 | – | 75 in / 150 o.c. | 12 | 43.20 | 20 |
|-----------|------|----|---|------------------|----|-------|----|

## Locking Angle Trim

- A faster and more accurate solution for securing grid to wall angle
- Pre-engineered locking tabs punched 150mm on center:
  - Locking tabs prevent lateral and upward movement
  - Eliminate screws, pop rivets, or crimpers needed to attach tees to moulding
- Knurled surface on both flanges
- **ScrewStop** – Reverse hem prevents screw spinoff and provides safer handling
- Alignment crimp at locking tabs for fast, easy alignment

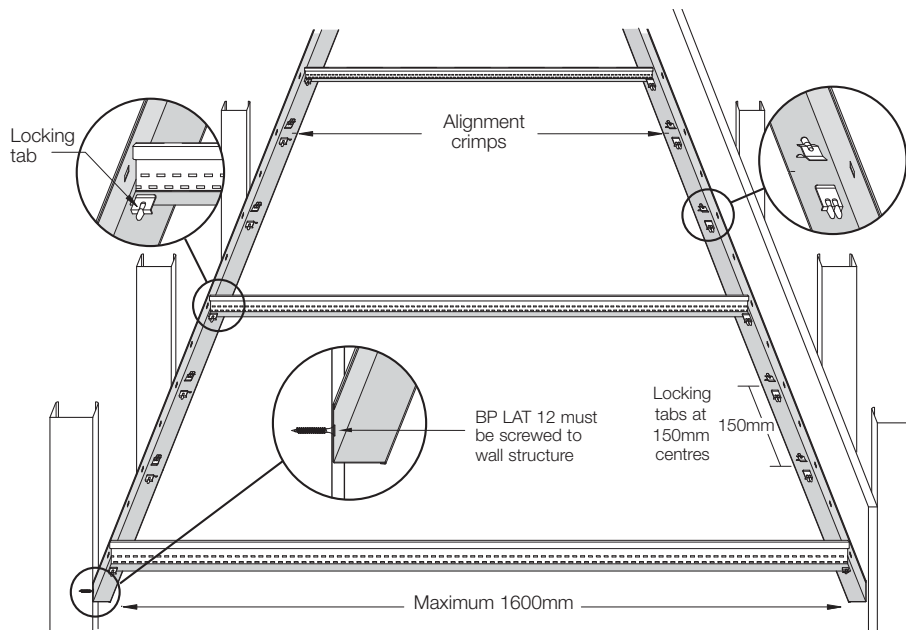
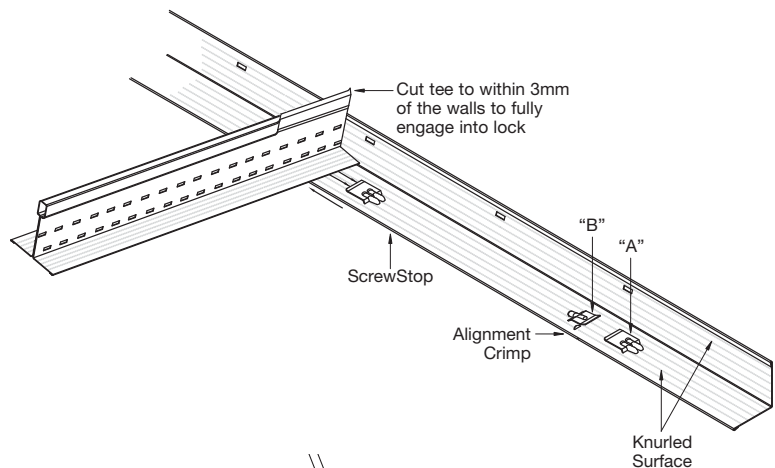


ShortSpan tee engaged in Locking Angle Trim

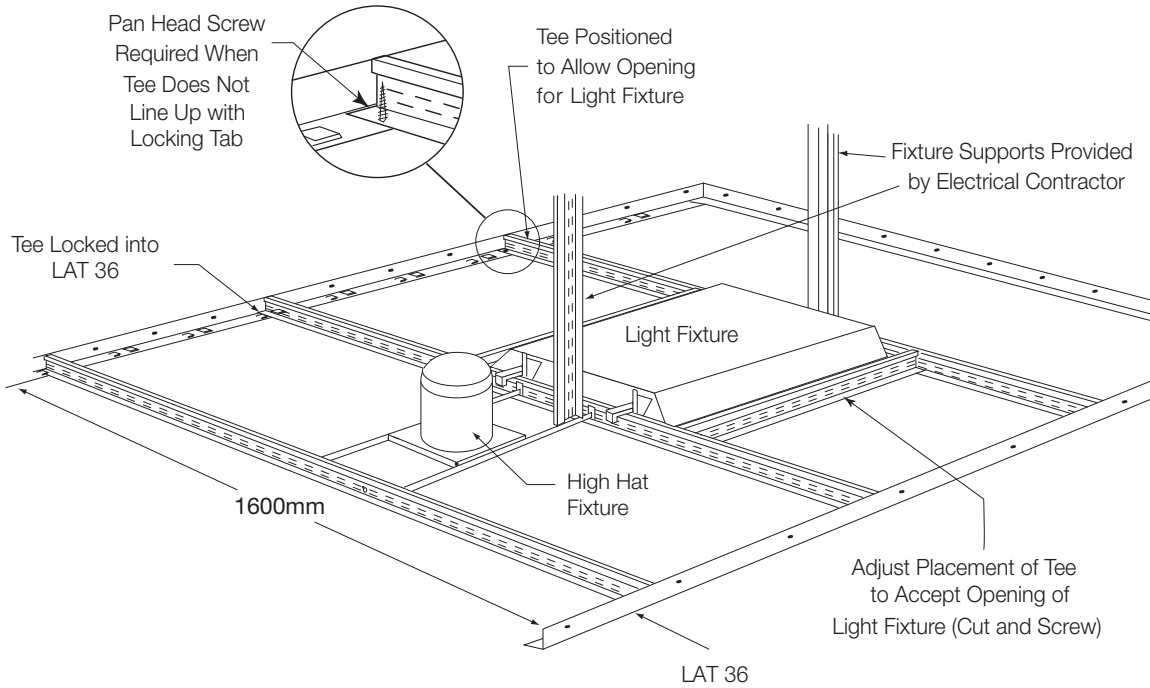
## Installation Notes

### Installation Notes

- 1 ShortSpan tees must be cut within 3mm of the vertical leg of the Locking Angle Trim
- 2 **Must** screw LAT 36 and KAM 36 to wall structure at module spacing of 450 or 600mm centres
- 3 Insert right hand flange of tee into pocket "A" first and allow left flange to clear pocket "B" and rest on angle moulding. Slide tee to the left to engage in pocket "B" (audible click)



## Fixture Installation



ShortSpan Framing and Locking Angle Moulding make drywall framing faster and easier



Corridor framing using traditional steel studs

## ShortSpan Board Loadings – Maxium Weight m<sup>2</sup>

| Span (mm)   | Spacing | Load kgs/m <sup>2</sup> |
|---|---------|-------------------------|
| 1200mm  | 450mm   | 2 x 16mm Plasterboard   |
|   | 600mm   | 2 x 13mm Plasterboard   |
| 1500mm  | 450mm   | 2 x 13mm Plasterboard   |
|   | 600mm   | 1 x 13mm Plasterboard   |
| 1600mm  | 450mm   | 2 x 10mm Plasterboard   |
|   | 600mm   | 1 x 13mm Plasterboard   |
| *Spans Greater Than 1600mm Strong Back To Be Installed Mid Span |         |                         |
| *1800mm   | 450mm   | 3 x 16mm Plasterboard   |
|   | 600mm   | 2 x 13mm Plasterboard   |
| *2100mm   | 450mm   | 2 x 16mm Plasterboard   |
|   | 600mm   | 2 x 13mm Plasterboard   |

|                    |                        |
|--------------------|------------------------|
| 10mm Plasterboard  | 6.8kgs m <sup>2</sup>  |
| 13mm Plasterboard  | 8.6kgs m <sup>2</sup>  |
| 13mm Plasterboard  | 10.5kgs m <sup>2</sup> |
| 16mm Plasterboard  | 13kgs m <sup>2</sup>   |
| 10mm Ceiling Board | 7.2kgs m <sup>2</sup>  |

### Design Loads Based On Items Below

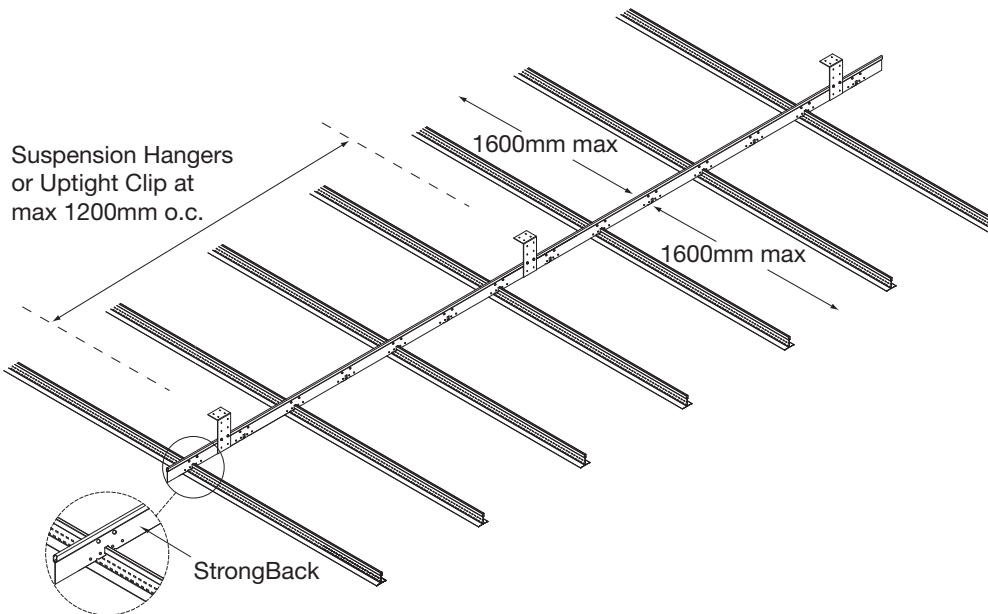
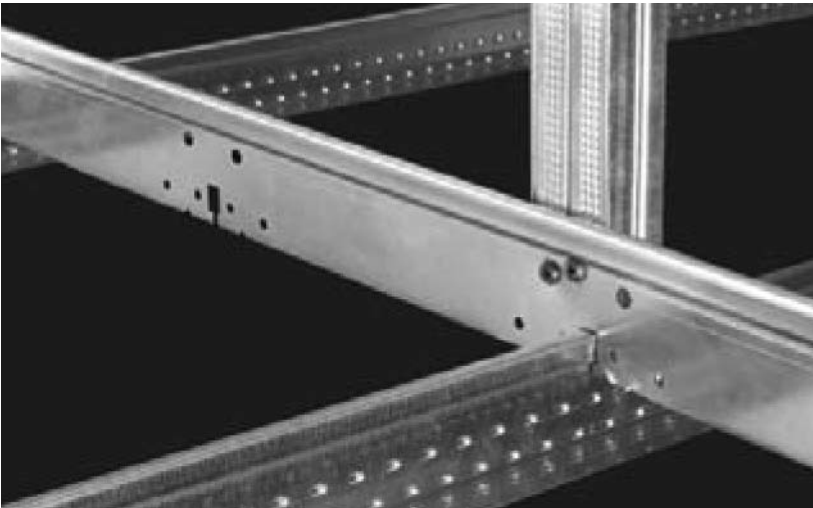
BP79S36  
BP79SB36

SHORTSPAN  
STRONGBACK

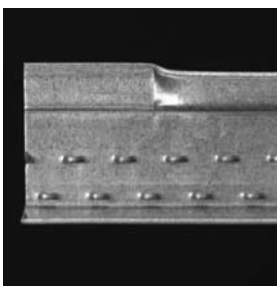


## StrongBack

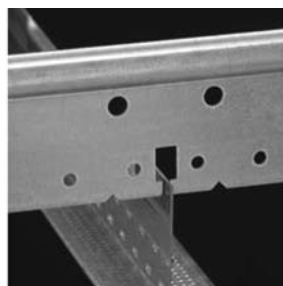
- Easier, pre-engineered solution to support spans over 1600mm
- Knockouts 150mm on center eliminates measuring, screwing, and splicing
- Allows vertical supports at 1200mm on centre
- Reduces lateral movement
- Resists upward movement if used with vertical tee post or stud
- Easier to level system compared to traditional framing



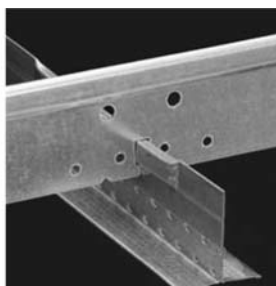
### Method to Install StrongBack



1 Flattened bulb allows StrongBack to slide over bulb



2 Slide StrongBack into place – no bending of tab required



# WALL SYSTEMS

Armstrong DGS Wall Systems is a fast and easy solution for framing slim wall profiles and an economical alternative to Furring Channel battening.

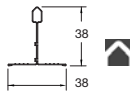
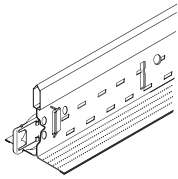
## Features

- Enables simple framing with fixing points at a maximum span of 1200mm centres.
- Easily self levels saving material and time.
- Enhances quality of finish and speed of construction by virtue of Wall Mouldings at the perimeter.

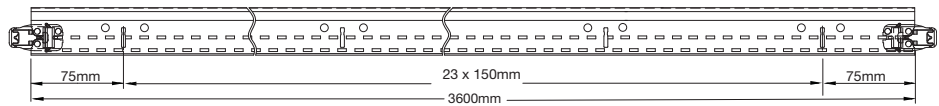


## Components

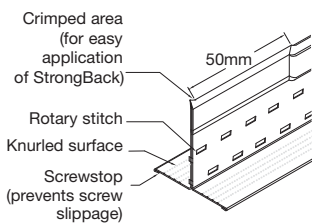
### Main Bar: PeakForm 38 with Knurled Face and SuperLock Clip (bulb-to-bulb connection)



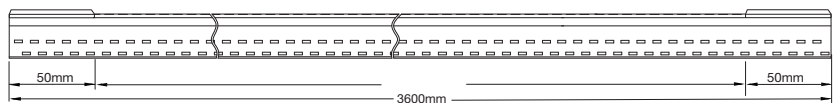
| Item Number | Dimensions  |             |           | Rout Spacing<br>mm | Content / Carton / Weight |      |    |
|-------------|-------------|-------------|-----------|--------------------|---------------------------|------|----|
|             | length (mm) | height (mm) | face (mm) |                    | pcs                       | lm   | kg |
| BP 794033   | 3600        | 38          | 38        | 150cc              | 12                        | 43.2 | 24 |



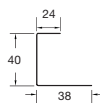
### ShortSpan Tee with Knurled Face



| Item Number | Dimensions  |             |           | Rout Spacing<br>mm | Content / Bundle / Weight |      |    |
|-------------|-------------|-------------|-----------|--------------------|---------------------------|------|----|
|             | length (mm) | height (mm) | face (mm) |                    | pcs                       | lm   | kg |
| BP 79S36    | 3600        | 38          | 38        | —                  | 12                        | 43.2 | 20 |



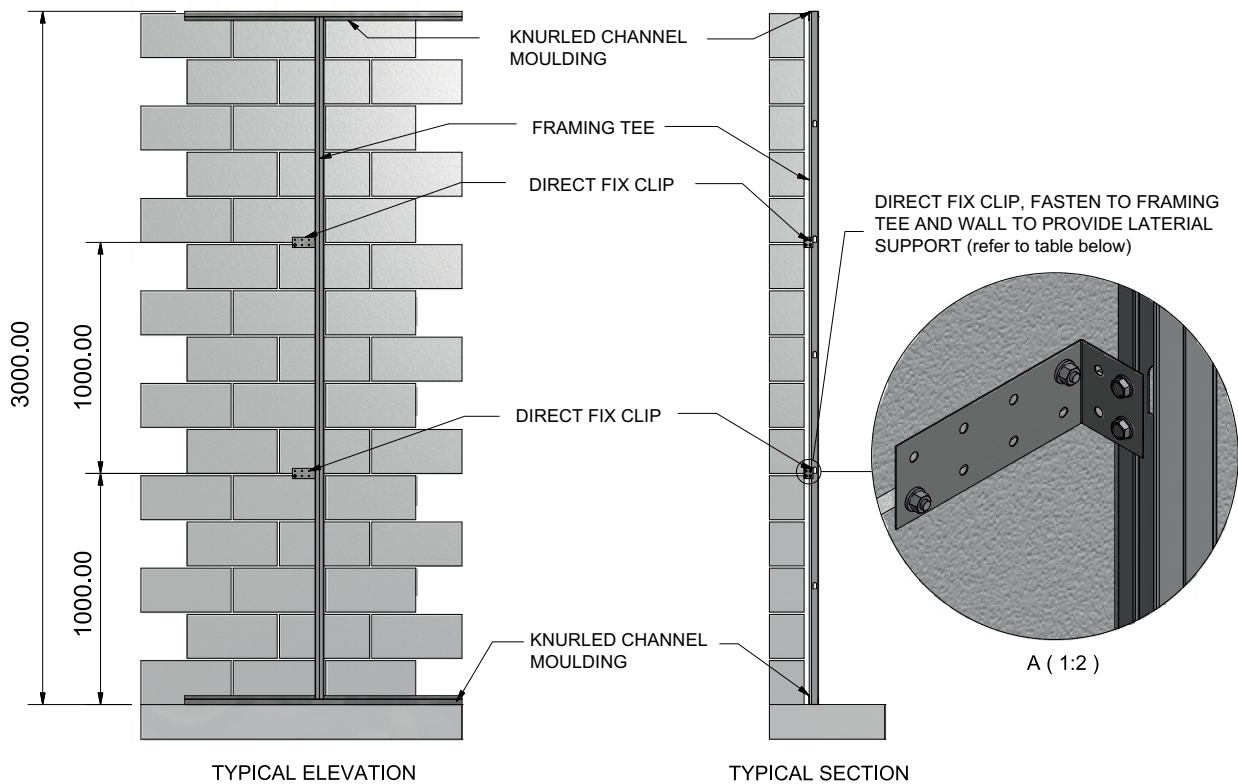
### Perimeter Trim



| Item Number   | Dimensions  |             |           | Rout Spacing<br>mm | Content / Bundle / Weight |      |      |
|---|-------------|-------------|-----------|--------------------|---------------------------|------|------|
|   | length (mm) | height (mm) | face (mm) |                    | pcs                       | lm   | kg   |
| Knurled Channel Moulding (hemmed with Knurled lower leg)<br>BP KCM 36 | 3600        | 40          | 38        | —                  | 12                        | 43.2 | 15.6 |



# WALL SYSTEM



## Wall System Clip Spacings

| Main Bar Length | Maximum Anchor Spacing |
|-----------------|------------------------|
| 2400mm          | 1200mm centres         |
| 2700mm          | 900mm centres          |
| 3000mm          | 1000mm centres         |
| 3600mm          | 1200mm centres         |

### Design based on items below

|          |                  |
|----------|------------------|
| BP794033 | 3600mm Main Bar  |
| BP79S36  | 3600mm Shortspan |

## Installation Guide

The Armstrong Wall System is unique as the primary component is a 38mm Flat Face Tee which can be installed very quickly without requiring any adjustable clips to level your wall.

- Step 1.** Locate and fix the Channel Moulding top and bottom.
- Step 2.** Cut the Short Span 38mm Flat Face Main Bars to length and install at required centres (to suit your building board); screw fixing to Chanel Mouldings. This method will aid the wall system leveling.
- Step 3.** Screw brackets to both the structure (as per Design table), and to the ShortSpan Main Bars.

## Locating Insulation

The DGS Wall System allows insulation to be installed easily, and the "Tee Bar" profile holds the insulation in place.

# ARCHITECTURAL SPECIFICATIONS

**Flat Plasterboard Ceilings:** Suspended Grid shall be Armstrong Drywall Grid System, comprising of Main Bars and Cross Runners, including Wall Mouldings and Transition Trims, as per manufacturer's instructions.

**Curved Plasterboard Ceilings:** Suspended Grid shall be Armstrong Drywall Grid System, comprising of Main Bars (faceted) and Cross Runners, including Wall Mouldings and Transition Trims, as per manufacturer's instructions.

**Corridors or Plasterboard Margins:** Suspended Grid shall be Armstrong DGS ShortSpan, comprising of ShortSpan Tees and StrongBack Support sections (where required), including Wall Mouldings and Transition Trims as per manufacturer's instructions.

**Bulkhead / Soffit:** Suspended Grid structure shall be Armstrong DGS QuickStix, comprising of QuickStix Tees and Cross Runners, including Wall Mouldings and Transition Trims, as per manufacturer's instructions.

**Wall Battening:** Wall framing shall be Armstrong Drywall Grid System, comprising of ShortSpan, or Main Bar, including Knurled Channel mouldings, as per manufacturer's instructions.

Contact your Armstrong Office for additional project specification details.



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