

HOLYOAKE
AIR MANAGEMENT SOLUTIONS

Holyoake Architectural Products

holyoake.com

Contact your nearest Holyoake office throughout Australasia for expert advice on design, supply and installation for any of the Holyoake Weather Louver series.



Anodised Aluminium



Aluminium Construction



Custom Made



Computerised Selection



Engineering Support



Powder Coat



Imported Product



Locally Produced



Available In Australia Only



BIM Certified Models



Australian Standard Classification

Architectural Louvers

With more than 60 years' experience designing air management solutions, manufacturing and working in partnership with architects and designers, Holyoake Industries has a keen understanding of the demands of specifiers. Holyoake's integrated systems are all developed to complement exterior and interior design standards, to enhance the aesthetics of all locations in which they are installed, providing efficient and effective air management.

This brochure details the range of Holyoake Architectural Products that are designed to offer effective weather protection with moderate pressure drops. The Holyoake products come in a wide range of blade widths and configurations to suit a variety of architectural and engineering requirements. Horizontal and vertical product types are available, including drainable models, all come with many optional features.

The Holyoake series of Architectural products offer our customers security and protection against the most extreme weather conditions. Designed and constructed from solid, extruded aluminium to be a permanent part of the building, these louvers maintain their appearance, adding to the architectural appeal of the building, whilst providing effective weather protection.

Holyoake's Architectural products are included in the AutoDesk REVIT suite, for full integration with BIM environments.

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HOLYOAKE
AIR MANAGEMENT SOLUTIONS

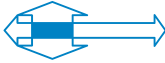
Louver Selection

When selecting an external louver it is important to consider the intended application, the HVAC requirement and location of the installed product. For example, an open roofed plant screen will typically not have the same weather proofing or HVAC requirement as a louver connected to a building's air conditioning system.

The extensive profile diversity of the Holyoake external weather louver range gives the architect and consultant the opportunity to select the appropriate louver to suit the site requirements. Holyoake has a Louver Calculator application available to enable accurate performance characteristics to be determined. This application clearly identifies the air velocities, effective pressure areas, free areas and weights of selected louver profiles. This application greatly assists the specifier and designer, providing accurate information to determine the correct louver selection.

The Holyoake range of external louvers have been tested to Australian standards for both water ingress efficiency and wind load rating. The class and load ratings of each profile are noted on the product pages of this catalogue.

Our specialist personnel and in house engineering department are available to assist with any design or performance enquiries.



HOLYOAKE
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Version 5.0 **Holyoake Louver Calculator**

Louver Number	Louver Model	Volume (L/S)	Volume (M ³ S)	Width (mm)	Height (mm)	Exhaust or Intake (E/I)	Effective Pressure Area	Free Area %	Area Velocity (m/s)	Louver Velocity	PA	CDv	Estimated Weight (Kg)	Wind Loading	Efficiency Class
1															
2															
3															
4															
5															
6															
7															
8															
9															
10															
11															
12															
13															
14															
15															

Project :
Project Number :
Engineered by :
Calculated by :
Comments :
Date / Time :

Effective Pressure Area/Free Area Explained

There is a common misconception regarding free area when calculating the size and efficiency of louvers. Quite often the free area is given as a static percentage with no consideration given to the variations in louver design that affect this percentage.

To calculate a realistic free area percentage, the active area of the louver (or effective pressure area) is divided by the total area of the louver. As the effective pressure area changes dependant on louver type and size, so will the free area.

The effective pressure area is a calculation that returns the operable area of the louver in square metres. This calculation includes the tolerance of the louver, the spacing of the louver blades, any area losses incurred and is conservative by default.

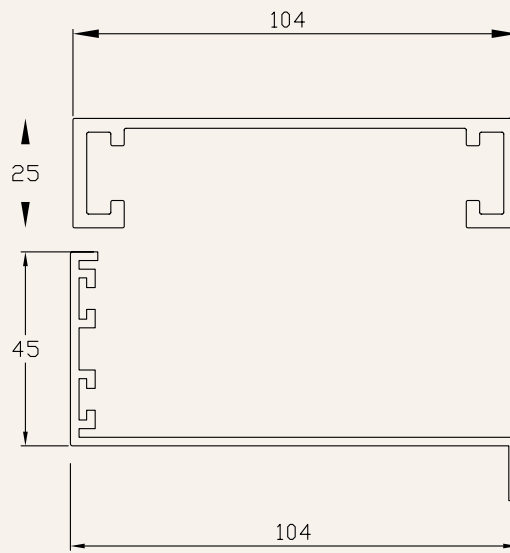
Performance Note:

When velocities through louvers cannot be controlled, water penetration performance cannot be guaranteed. Water penetration usually does not need to be considered when selecting exhaust louvers.

Frame Styles

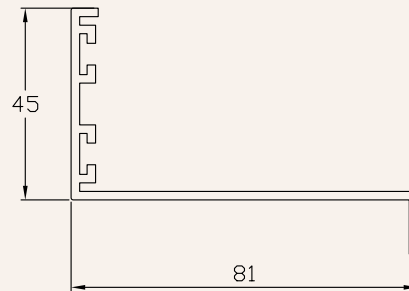
CHANNEL/FLANGE FRAME

- OHL-KD-100
- OHL-102
- OHL-124
- OVL99
- OHL-100WT
- OHL-D
- OHL-DRC *
- OHLCL-102
- OHLCL-124
- OHL-PHL



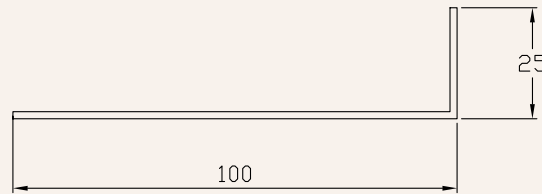
FLANGE FRAME

- OHL-KD75
- OHL-PHL



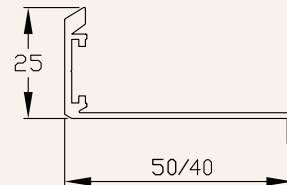
CMF CONCEALED FRAME

- OHL-KD100
- OHL-102
- OHL-124
- OVL-99



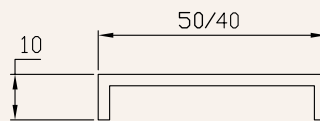
SMALL PROFILE FLANGE FRAME

- OHL-45
- OHL-34



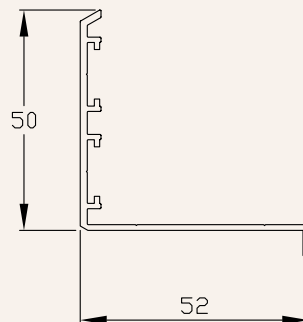
SMALL PROFILE CHANNEL FRAME

- OHL-45
- OHL-34



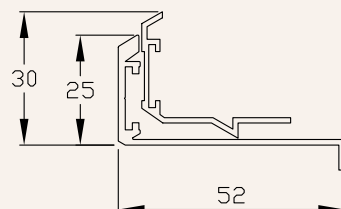
EXTENDED FLANGE FRAME

- OHL-45



REMOVABLE CORE FLANGE FRAME

- OHL-45



* OHL-DRC Frame depth = 155mm refer product details

OHL | KD Series

75mm Dual Stop Weather Louver MODEL OHL-KD75

FEATURES

- Moderate Performance Louver
- Attractive Curved Blade Profile
- Obstructed Line of sight
- Dual Weather Stop blade

OPTIONS

- A range of Powder Coat colours
- Aluminium Anodising

75mm Knockdown Weather Louver



The Holyoake OHL-KD75 louver is an attractive, moderate performance, Slim Line Louver, which features the capacity for on Site assembly at the point of installation. Based on proven Holyoake louver technology, the louver blade features two water stops on its front face. The blades overlap one another to minimise any water carry over.

The narrow profile and 75mm blade spacing of the OHL-KD75 creates an attractive, close pitched line across the louver face which is architecturally pleasing. The slightly curved blade profile enhances the visual appeal.

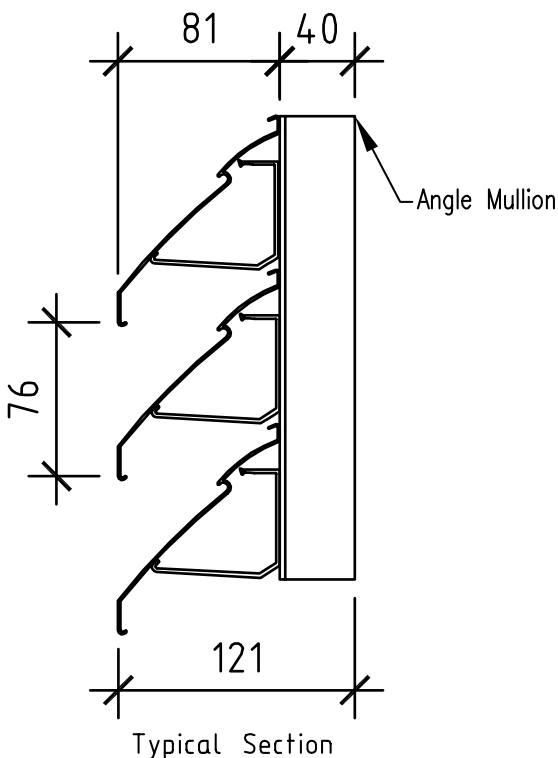
The system is ideally suited for applications where the available louver zone might restrict the use of larger profiled sections, or if there is an architectural requirement to create a particular visual appearance. (ie. matching colorbond wall treatments.)

The OHL-KD75 louver can be installed as a part of the Mechanical Services system for either intake and exhaust applications, or it can be installed purely as a sight screen to hide unsightly plant equipment. In the screening format, the louvers can be installed in the standard configuration, or to completely block the line of sight through the blades, the system can be installed inverted.

The OHL-KD75 uses the Holyoake "Concealed Mullion" system, which is stick built on site and once installed, creates an unbroken line across the louver face in both width and height. (Subject to the installation of suitable supporting steelwork.)

The OHL-KD75 can also be fabricated and installed in a more conventional panel format with exposed framing and posts if desired, with the standard frame section available being a 45mm flanged type.

All of the louver components, including the rear posts and blade support clips, are fabricated from extruded aluminium, which eliminates any potential issues with dissimilar metals within the system.



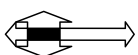
AS-4740: 2000 Australian Standard Classification



Water Ingress Efficiency - Class C



Wind Load Rating - Level 1





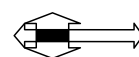
Construction

The OHL-KD75 louver system is constructed entirely of 6063 T5 extruded aluminium, mechanically locked together ensuring a solid, resistant structure. All louvers are manufactured to the highest standards of both fabrication and performance.

Options

- Powdercoat finishes are available to match varying Architectural Specifications
- Natural Anodised finishes
- Colour Anodised finishes (as are suitable)
- Galvanised Steel or Stainless Steel bird mesh
- Colorbond or Metal Blanking

Project	Austin Hospital Neuroscience Project
Completed	2012
Architect	Lyons
System	Plant screen Louvers / Mechanical Services Louvers
Builder	Hooker Cockram Constructions



OHL | KD Series

100mm Dual Stop Weather Louver MODEL OHL-KD100

FEATURES

- High Performance Louver
- Attractive Curved Blade Profile
- Obstructed Line of Sight
- Dual Weather Stop Blade

OPTIONS

- A Range of Powder Coat Finishes
- Aluminium Anodising

100mm Knockdown Weather Louver



The Holyoake OHL-KD100 louver is an attractive, high performance, multi-purpose louver, which features the capacity for on site assembly at the point of installation. Based on proven Holyoake louver technology, the louver blade features two water stops on its front face. The blades overlap one another to minimise any water carry over.

The large profile and 100mm blade spacing of the OHL-KD100 creates a bold line across the louver face which is architecturally pleasing. The slightly curved blade face enhances the architectural appeal of the louver.

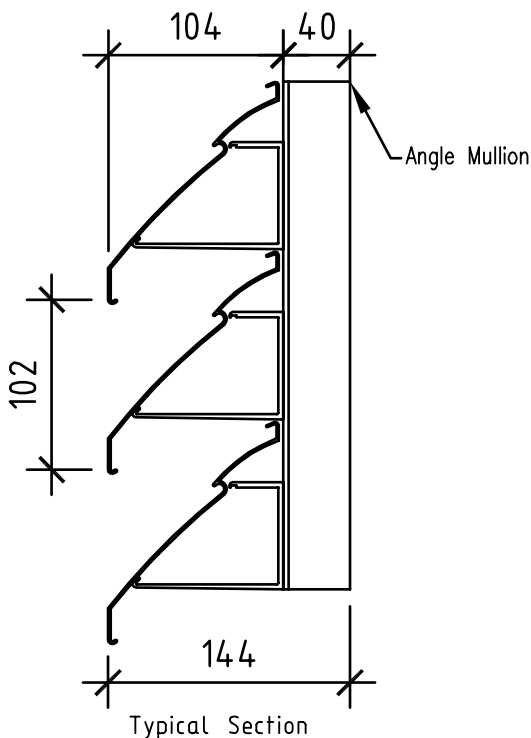
The OHL-KD100 is ideally suited for larger applications where the deeper profile depth increases the weather protection performance. The larger profile also improves the visual aspect of the horizontal lines across the system, when viewed from a distance.

The OHL-KD100 louver can be installed as part of the Mechanical Services System for either intake or exhaust applications, or it can be installed purely as a sight screen to conceal unsightly plant equipment. In the screening format, the louvers can be installed in the standard configuration, or to completely block the line of sight through the blades, the system can be installed inverted.

The OHL-KD100 uses the Holyoake "Concealed Mullion" system, which is stick built on Site and once installed, creates an unbroken line across the louver face in both width and height. (Subject to the installation of suitable supporting steelwork.)

The OHL-KD100 can also be fabricated in the more conventional panel format with exposed framing and posts if desired. It is available with a choice of two standard frame sections. The first being a 45mm flanged frame profile, with the second option being a 25mm channel section.

All of the louver components, including the rear posts and blade support clips, are fabricated from extruded aluminium, which eliminates any potential issues with dissimilar metals within the system.



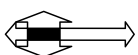
AS-4740: 2000 Australian Standard Classification



Water Ingress Efficiency - Class B



Wind Load Rating - Level 1





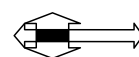
Construction

The OHL-KD100 louver system is constructed entirely of 6063 T5 extruded aluminium, mechanically locked together ensuring a solid, resistant structure. All louvers are manufactured to the highest standards of both fabrication and performance.

Options

- Powdercoat finishes are available to match varying Architectural Specifications
- Natural Anodised finishes
- Colour Anodised finishes (as are suitable)
- Galvanised Steel or Stainless Steel bird mesh
- Colorbond or Metal Blanking

Project	Dandenong Government Services Office
Completed	2012
Architect	Hassell Architects
System	Plant Screen Louvers / Mechanical Services Louvers
Builder	Grocon Constructions



OHL | 102 Series

100mm Dual Stop Weather Louver MODEL OHL-102

FEATURES

- Moderate Performance Louver
- Attractive Curved Blade Profile
- Obstructed Line of Sight
- Dual Weather Stop Blade

OPTIONS

- A Range of Powder Coat Finishes
- Aluminium Anodising

100mm Panel Weather Louver



The Holyoake OHL-102 louver is an attractive, moderate performance, multi-purpose louver, primarily used in more conventional louvre panel applications. Based on proven Holyoake louver technology, the louver blade features two water stops on its front face. The blades overlap one another to minimise any water carry over.

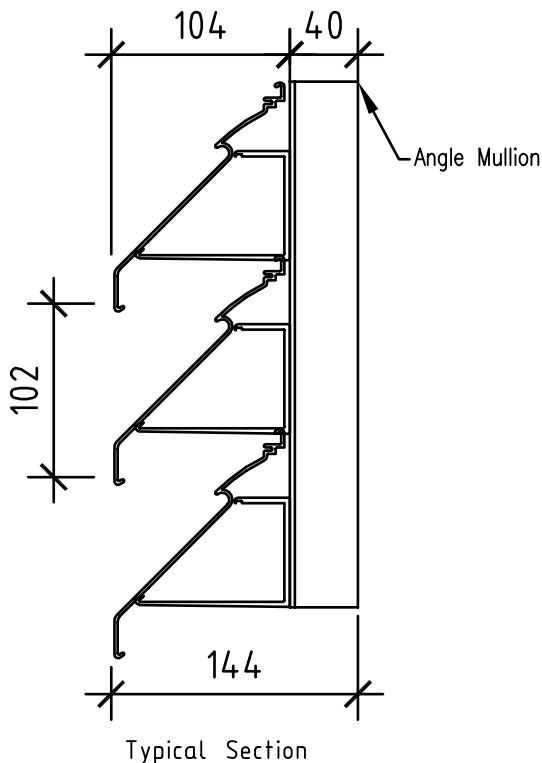
The large profile and 100mm blade spacing of the OHL-102 creates a bold line across the louver face which is architecturally pleasing. The slightly curved blade face enhances the architectural appeal of the louver.

The OHL-102 is ideally suited for applications where the deeper profile depth increases the weather protection performance. The larger profile also improves the visual aspect of the horizontal lines across the system, when viewed from a distance.

The OHL-102 louver can be installed as part of the Mechanical Services System for either intake or exhaust applications.

The OHL-102 is available in conventional single panel construction with a maximum blade length of 2.8 meter or for greater lengths an architectural style is available to give a continuous line. Louvers can be prefabricated or pre-cut and supplied in sections for field erection on site. It is available with a choice of two standard frame sections. The first being a 45mm flanged frame profile, with the second option being a 25mm channel section.

All of the louver components, including the rear posts and blade support clips, are fabricated from extruded aluminium, which eliminates any potential issues with dissimilar metals within the system.



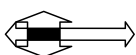
AS-4740: 2000 Australian Standard Classification



Water Ingress Efficiency - Class C



Wind Load Rating - Level 1





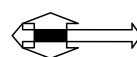
Construction

The OHL-102 louver system is constructed entirely of 6063 T5 extruded aluminium, mechanically locked together ensuring a solid, resistant structure. All louvers are manufactured to the highest standards of both fabrication and performance.

Options

- Powdercoat finishes are available to match varying Architectural Specifications
- Natural Anodised finishes
- Colour Anodised finishes (as are suitable)
- Galvanised Steel or Stainless Steel bird mesh
- Colorbond or Metal Blanking

Project	Olivier Newton John Cancer Centre
Completed	2012
Architect	Daryl Jackson
System	Plant Room Louvers
Builder	Leighton Contractors



OHL | 124 Series

76mm Performance Weather Louver MODEL OHL-124

FEATURES

- High Performance Louver
- Straight Profile Blade
- Low Resistance Louver
- Single Stop Blade

OPTIONS

- A Range of Powder Coat Finishes
- Aluminium Anodising

76mm Panel Weather Louver

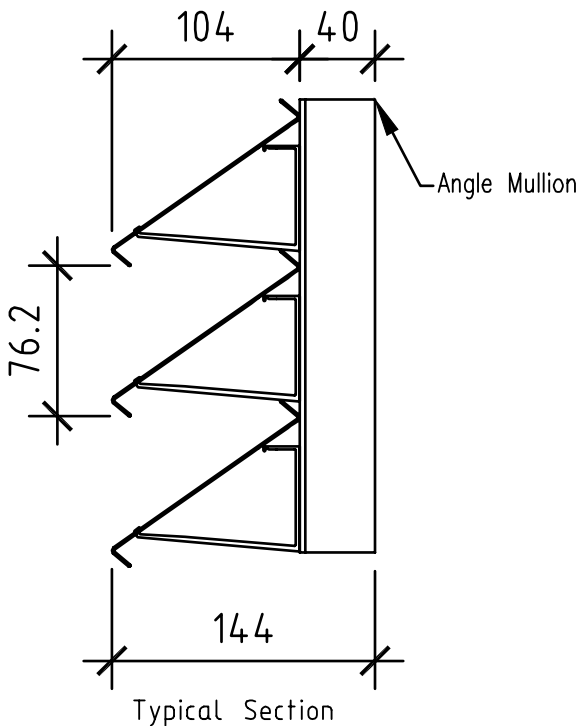


The Holyoake OHL-124 louver is an attractive, high performance, multi-purpose louver, which features a high “effective pressure area”, for applications where maximum airflow is a requirement. Based on proven Holyoake louver technology, the flat profile louver blades are set at a low angled pitch. The blades are spaced at 76mm centres which ensures enhanced aerodynamic performance coupled with high weatherability. The installed blades overlap one another to minimise the possibility of any water carry over.

The OHL-124 louver can be installed as part of the Mechanical Services System for either intake or exhaust applications. The larger profile and sharp extrusion lines create a unique profile when installed.

The OHL-124 is available in conventional single panel construction with a maximum blade length of 2.8 meter or for greater lengths an architectural style is available to give a continuous line. Louvers can be prefabricated or pre-cut and supplied in sections for field erection on site. It is available with a choice of two standard frame sections. The first being a 45mm flanged frame profile, with the second option being a 25mm channel section.

All of the louver components, including the rear posts and blade support clips, are fabricated from extruded aluminium, which eliminates any potential issues with dissimilar metals within the system.



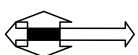
AS-4740: 2000 Australian Standard Classification



Water Ingress Efficiency - Class B



Wind Load Rating - Level 1





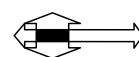
Construction

The OHL-124 louver system is constructed entirely of 6063 T5 extruded aluminium, mechanically locked together ensuring a solid, resistant structure. All louvers are manufactured to the highest standards of both fabrication and performance.

Options

- Powdercoat finishes are available to match varying Architectural Specifications
- Natural Anodised finishes
- Colour Anodised finishes (as are suitable)
- Galvanised Steel or Stainless Steel bird mesh
- Colorbond or Metal Blanking

Project	Mornington Centre Project
Completed	2013
Architect	Billiard Leece Partnership Pty Ltd
System	Mechanical Services Louvers
Builder	Hansen & Yuncken



OVL | 99 Series

100mm Vertical Weather Louver MODEL OVL-99

FEATURES

- Moderate Performance Louver
- Straight Profile Blade
- Vertical Sight Proof Profile
- Dual Weather Stop Blade

OPTIONS

- A Range of Powder Coat Finishes
- Aluminium Anodising

100mm Vertical Weather Louver



The Holyoake OVL-99 system offers a striking louver alternative that can be used in place of the more conventional horizontal configurations. The ability of the system to be fabricated in panel or knockdown formats creates limitless architectural possibilities while also providing an effective and functional louver system.

Based on proven Holyoake louver technology, the louver blade features two water stops on its profile. The blades overlap one another to minimise any water carry over.

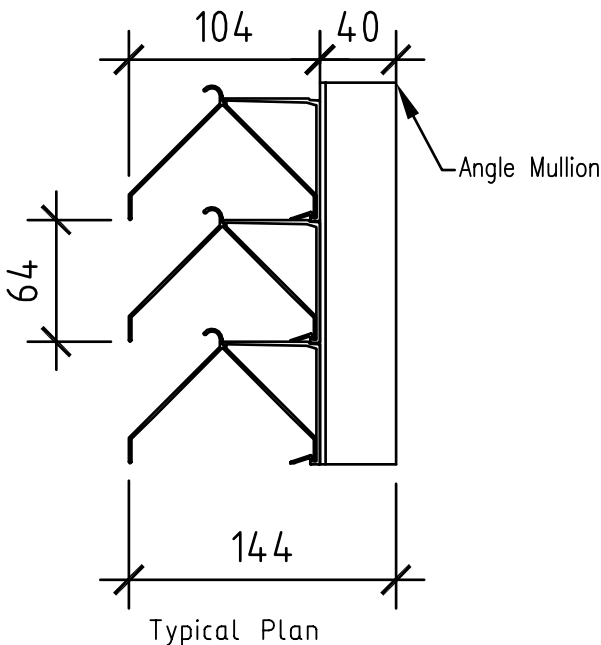
The slimline profile of the OVL-99 is configured in such a way as to completely block the line of sight through the blades. This feature eliminates the possibility of seeing unsightly plant equipment from outside of the building.

The 64mm blade spacing of the OVL-99 is aesthetically pleasing and creates a finer external appearance than is possible with the use of more conventional louvers. In the vertical orientation, the system also has the ability to follow architectural curves and bends that may exist within the building design.

The OVL-99 louver can be installed as part of the Mechanical Services System for either intake or exhaust applications or it can be used as a screen for concealing Plant Equipment. The system also has the flexibility of being able to be installed in a horizontal format, which expands the possible applications for its use.

The OVL-99 is available in conventional single panel construction with a maximum blade length of 2.8 meters or it can be manufactured in knockdown format. It is available with a choice of two standard frame sections. The first being a 45mm flanged frame profile, with the second option being a 25mm channel section.

All of the louver components, including the rear posts and blade support clips, are fabricated from extruded aluminium, which eliminates any potential issues with dissimilar metals within the system.



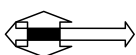
AS-4740: 2000 Australian Standard Classification



Water Ingress Efficiency - Class B



Wind Load Rating - Level 1





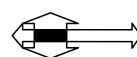
Construction

The OVL-99 Louver system is constructed entirely of 6063 T5 extruded aluminium, mechanically locked together ensuring a solid, resistant structure. All louvers are manufactured to the highest standards of both fabrication and performance.

Options

- Powdercoat finishes are available to match varying Architectural Specifications
- Natural Anodised finishes
- Colour Anodised finishes (as are suitable)
- Galvanised Steel or Stainless Steel bird mesh
- Colorbond or Metal Blanking

Project	Crown EEMP Project
Completed	2012
Architect	Bates Smart
System	Plant Screen Louvers / Mechanical Services Louvers
Builder	Boulderstone Hornibrook



OHL | WT Series

100mm 2 Stage Louver MODEL OHL-100WT

FEATURES

- Maximum Performance Louver
- Attractive Curved Blade Profile
- Obstructed Line of Sight
- Two Stage Weather Trap Profile

OPTIONS

- A Range of Powder Coat Finishes
- Aluminium Anodising

100mm Two Stage Weather Trap Louver



The Holyoake OHL-100WT louver is a maximum performance “Two Stage” louver system with Class A weatherability performance. This system incorporates the external use of the KD-100 louver profile in combination with a horizontal second stage louver bank to the rear. The combination of these two profiles ensures that, under all but the most extreme atmospheric conditions, water ingress through the system would effectively be eliminated.

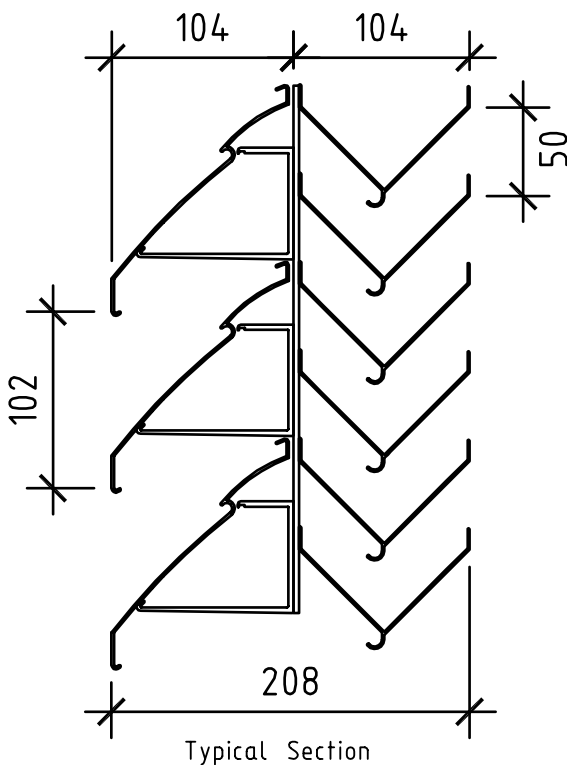
The large profile and 100mm blade spacing of the OHL100WT creates a bold line across the louver face which is architecturally pleasing. The slightly curved blade face enhances the architectural appeal of the louver. The use of the KD-100 section on the external face also allows for the OHL-100WT to maintain a continuous appearance across the face even when some openings might require the use of a two stage louver.

The OHL-100WT louver can be installed as part of the Mechanical Services System for either intake or exhaust applications.

The OHL-100WT can be manufactured in either panel or knockdown form. The knockdown format uses the Holyoake “Concealed Mullion” system, which is stick built on site and once installed, creates an unbroken line across the louver face in both width and height. [subject to the installation of suitable supporting steelwork] The secondary louver at the rear is manufactured in panels, which are independently fixed to the rear of the installed first stage louvers.

The OHL-100WT is available with a choice of two standard frame sections. The first being a 45mm flanged frame profile, with a second option being the 25mm channel section.

All of the louver components, including the rear posts and blade support clips, are fabricated from extruded aluminium, which eliminates any potential issues with dissimilar metals within the system.



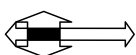
AS-4740: 2000 Australian Standard Classification



Water Ingress Efficiency - Class A



Wind Load Rating - Level 1





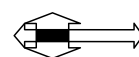
Construction

The OHL-100WT louver system is constructed entirely of 6063 T5 extruded aluminium, mechanically locked together ensuring a solid, resistant structure. All louvers are manufactured to the highest standards of both fabrication and performance.

Options

- Powdercoat finishes are available to match varying Architectural Specifications
- Natural Anodised finishes
- Colour Anodised finishes (as are suitable)
- Galvanised Steel or Stainless Steel bird mesh
- Colorbond or Metal Blanking

Project	The Argus Building Redevelopment
Completed	2014
Architect	Designinc Melbourne
System	Mechanical Services Louvers
Builder	Construction Engineering



OHL | 34 Series

34mm Small Profile Louver

MODEL OHL-34

FEATURES

- High Performance Louver
- Attractive Curved Blade Profile
- Obstructed Line of Sight
- Weather Stop Blade

OPTIONS

- A Range of Powder Coat Finishes
- Aluminium Anodising

34mm Small Profile Weather Louver



The Holyoake OHL-34 is a slimline louver designed primarily to suit smaller applications where the depth and pitch of the larger profile may not be practical. Based on proven Holyoake louver technology, the louver blade features two water stops on its front face.

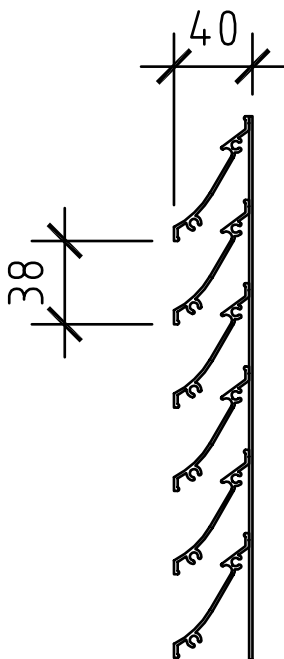
The slim profile and 38mm blade spacing of the OHL-34 creates a fine appearance across the louver face. The slightly curved blade enhances the architectural appeal of the louver.

The OHL-34 is ideally suited for situations that require louvers that are lower in height such as are regularly seen in the kitchen and toilet exhaust systems of large scale apartment buildings. As a general rule the OHL-34 would not be used in large panel or screen applications.

The OHL-34 louver is designed to be fabricated as panel louver only, with a maximum blade span of 1.8 meters. It does however use the Holyoake "Concealed Mullion" as an intermediate support, so that each finished panel will have a continuous appearance across its face.

The OHL-34 is available with a choice of two standard frame sections. The first being a 25mm flanged frame profile, with the second option being a 10mm channel section.

All of the louver components, including the rear posts and blade support clips, are fabricated from extruded aluminium, which eliminates any potential issues with dissimilar metals within the system.



Typical Section

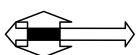
AS-4740: 2000 Australian Standard Classification



Water Ingress Efficiency - Class B



Wind Load Rating - Level 1





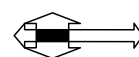
Construction

The OHL-34 louver system is constructed entirely of 6063 T5 extruded aluminium, mechanically locked together ensuring a solid, resistant structure. All louvers are manufactured to the highest standards of both fabrication and performance.

Options

- Powdercoat finishes are available to match varying Architectural Specifications
- Natural Anodised finishes
- Colour Anodised finishes (as are suitable)
- Galvanised Steel or Stainless Steel bird mesh
- Colorbond or Metal Blanking

Project	Box Hill Hospital
Completed	2013
Architect	STH-JD
System	Ventilation
Builder	Boulderstone Hornibrook



OHL | 45 Series

50mm Small Profile Louver MODEL OHL-45

FEATURES

- Moderate Performance Louver
- Attractive Curved Blade Profile
- Obstructed Line of Sight
- Dual Weather Stop Blade

OPTIONS

- A Range of Powder Coat Finishes
- Aluminium Anodising

50mm Small Profile Weather Louver



The Holyoake OHL-45 is a slimline louver designed primarily to suit smaller applications where the depth and pitch of the larger profile may not be practical. Based on proven Holyoake louver technology, the louver blade features two water stops on its front face.

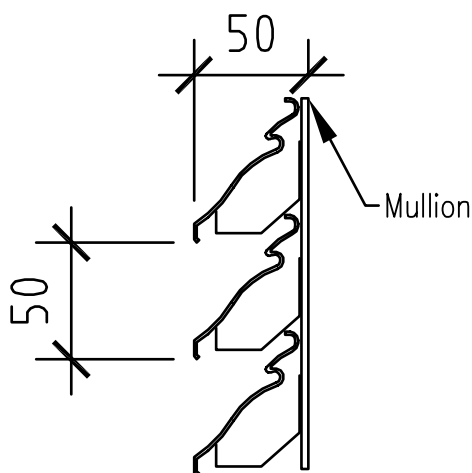
The slim profile and 50mm blade spacing of the OHL-45 creates a fine appearance across the louver face. The slightly curved blade enhances the architectural appeal of the louver.

The OHL-45 is ideally suited for situations that require the use of louvers that are lower in height such as are regularly seen in the kitchen and toilet exhaust systems of large scale apartment buildings. As a general rule the OHL-45 would not be used in large panel or screen applications.

The OHL-45 louver is designed to be fabricated as panel louver only, with a maximum blade span of 2.8 meters. It does use the Holyoake "Concealed Mullion" clip system as an intermediate support, so that each finished panel will have a continuous appearance across its face.

The OHL-45 is available with a choice of two standard frame sections. The first being a 25mm flanged frame profile, with the second option being a 10mm channel section.

All of the louver components, including the rear posts and blade support clips, are fabricated from extruded aluminium, which eliminates any potential issues with dissimilar metals within the system.



Typical Section

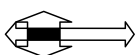
AS-4740: 2000 Australian Standard Classification



Water Ingress Efficiency - Class C



Wind Load Rating - Level 1





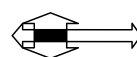
Construction

The OHL-45 louver system is constructed entirely of 6063 T5 extruded aluminium, mechanically locked together ensuring a solid, resistant structure. All louvers are manufactured to the highest standards of both fabrication and performance.

Options

- Powdercoat finishes are available to match varying Architectural Specifications
- Natural Anodised finishes
- Colour Anodised finishes (as are suitable)
- Galvanised Steel or Stainless Steel bird mesh
- Colorbond or Metal Blanking

Project	Regis Apartments
Completed	2011
Architect	Smith + Tracey
System	Carpark Ventilation Louvers
Builder	APM Group



OHL | D Series

76mm Drainable Weather Louver MODEL OHL-D

FEATURES

- High Performance Louver
- Drainable Louver Blade
- Obstructed Line of Sight
- Vertical Down Pipe Drains

OPTIONS

- A Range of Powder Coat Finishes
- Aluminium Anodising

76mm Drainable Weather Louver

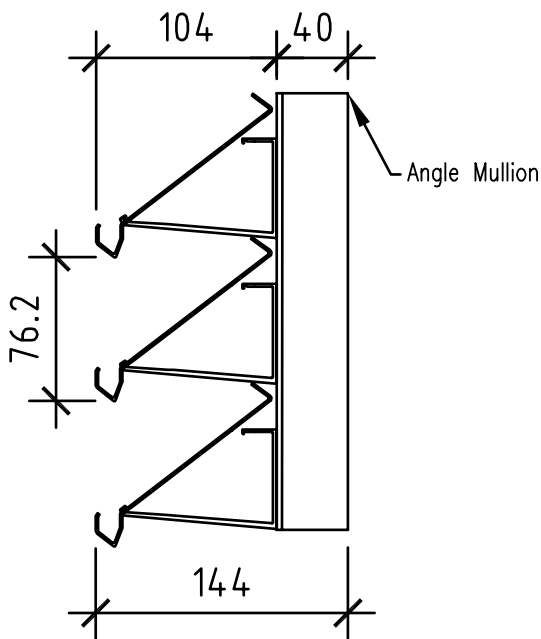


Holyoake Industries Model OHL-D offers an alternative concept in horizontal outside louvers. The drainable blade louver delivers high performance in extreme applications.

The OHL-D louver achieves this by draining the water from each blade and discharging it at the bottom of the louver through vertical cavities found at either side of the louver panel.

As a result of built-in gutters on each blade, the water does not cascade down the face of the louver. This means that each blade only deals with the water that lands directly on it. In a typical horizontal louver, where the water does cascade down the face, the water builds to a level where the pressure differential and the velocity of air over the louver has sufficient potential to carry some water through the louver panel.

By avoiding this cascade effect the drainable horizontal louver offers excellent water penetration prevention. The main benefit of this is that there is less water penetration at a given performance level. This means that there is the option of selecting an OHL-D louver at a higher effective velocity without compromising the water penetration performance. If a selection is made at a higher velocity the louver can then be smaller than a typical horizontal louver, giving a direct saving on the louver size but also providing a smaller penetration for the building. If water penetration performance is of paramount concern the OHL-D offers the most effective way to achieve this in a single stage louver.



Typical Section

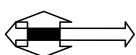
AS-4740: 2000 Australian Standard Classification



Water Ingress Efficiency - Class B



Wind Load Rating - Level 1





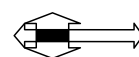
Construction

The OHL-D louver system is constructed entirely of 6063 T5 extruded aluminium, mechanically locked together ensuring a solid, resistant structure. All louvers are manufactured to the highest standards of both fabrication and performance.

Options

- Powdercoat finishes are available to match varying Architectural Specifications
- Natural Anodised finishes
- Colour Anodised finishes (as are suitable)
- Galvanised Steel or Stainless Steel bird mesh
- Colorbond or Metal Blanking

Project	Latrobe University Bio Science Project
Completed	2012
Architect	Lyon Architects
System	Mechanical Services Louvers
Builder	Grocon Constructions



OHL | DRC Series

100mm Drainable Closable Louver MODEL OHL-DRC

FEATURES

- Maximum Performance Louver
- Motorised or Manual Operation
- Closable for Complete Air Inlet Control
- Vertical Down Pipe Drains

OPTIONS

- A Range of Actuators to Optimise Control
- A Range of Powder Coat Finishes
- Aluminium Anodising

100mm Drainable Closable Louver

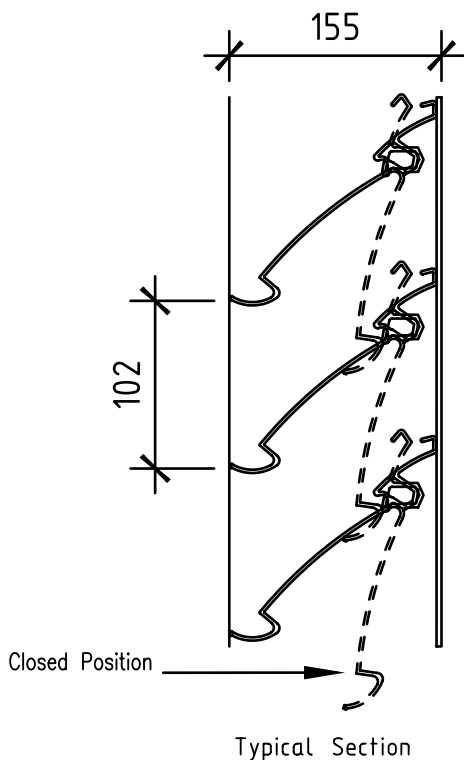


The Holyoake OHL-DRC is a precisely made closable, drainable weather louver. It is constructed from extruded aluminium in a channel or flanged frame, with special interlocking closable blades, gang operated by either manual or motorised means.

The blades feature a special gutter, so each blade only deals with the water that lands directly onto it. Therefore, water does not stream down the front of the louver, but is directed by means of an internal drain element via a bearing penetration, to the external base of the louver, rather than into the building. The side cavities are sealed to prevent moisture penetration.

In addition to the special drainable blades and water penetration cavities the OHL-DRC also offers the unique combination of a closable louver, operated by a manual handle or via a suitable motor. This provides the facility to fully or partially close the louver automatically when linked to a moisture or rain sensor, or other building management system. On a typical horizontal louver, where water cascades down the face, the water builds to a level where the pressure differential and the velocity of air over the louver is enough to carry over the water to the inside of the louver.

By avoiding this effect the OHL-DRC Closable Drainable louver offers excellent performance, so there is much less water intrusion at a given level and a higher effective velocity can be used without compromising the water penetration performance. While open, they offer minimum airflow resistance with low droplet penetration for normal weather. Typical uses are to provide controlled air movement in Gymnasiums and Sports Halls, with the aesthetically pleasing clean lines of the rear of the louver.



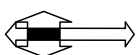
AS-4740: 2000 Australian Standard Classification



Water Ingress Efficiency - Class A/B



Wind Load Rating - Level 1





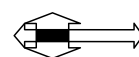
Construction

The OHL-DRC louver system is constructed entirely of 6063 T5 extruded aluminium, mechanically locked together ensuring a solid resistant structure. All louvers are manufactured to the highest standards of both fabrication and performance.

Options

- Powdercoat finishes are available to match varying Architectural Specifications
- Galvanised Steel
- Extruded Aluminium gym mesh
- A range of suitable motors to optimise control

Project	Latrobe University Bio Science Project
Completed	2012
Architect	Lyon Architects
System	Mechanical Services Louvers
Builder	Grocon Constructions



OHCL | 102 Series

100mm Closable Weather Louver MODEL OHL- 102

FEATURES

- Moderate Performance Louver
- Motorised or Manual Operation
- Attractive Curved Blade Profile
- Obstructed Line of Sight
- Dual Weather Stop Blade

OPTIONS

- A Range of Powder Coat Finishes
- Aluminium Anodising

100mm Closable Weather Louvers



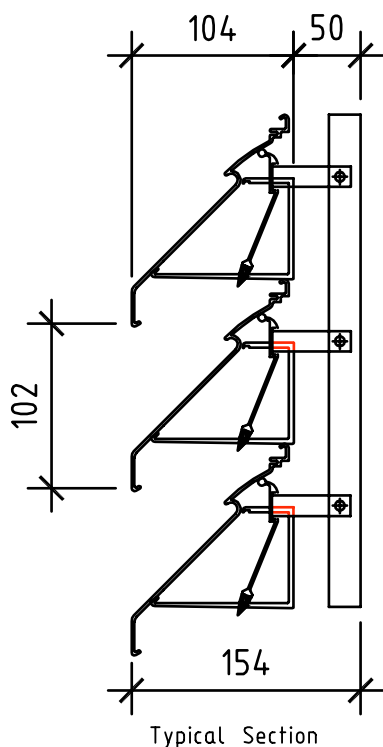
The OHL-102 louver is available in a closable option. It offers performance and appearance similar to the basic model with the facility to close the louver by means of concealed damper blades, pivoted on the underside of each fixed blade, and gang operated by either manual or motorised means. It is ideally suited for use in high wind storm conditions. While open, it offers minimum air flow resistance with low droplet penetration for normal weather.

Typical uses are to provide controlled air movement in conjunction with powered and natural ventilation schemes in factories, plant rooms, power stations and similar projects.

Other suitable applications include controllable air inlets operating with smoke clearance systems, where louvers would normally remain closed, but would open in the event of an emergency. Bird screen material slides horizontally into tracks between blades so that linkages are not obstructed.

It is available with a choice of two standard frame sections. The first being a 45mm flanged typed frame profile, with the second option being the 25mm channel section.

All of the louver components, including the rear posts and blade support clips, are fabricated from extruded aluminium, which eliminates any potential issues with dissimilar metals within the system.



Typical Section

AS-4740: 2000 Australian Standard Classification



Water Ingress Efficiency - Class C



Wind Load Rating - Level 1





Construction

The OHL-102 louver system is constructed entirely of 6063 T5 extruded aluminium, mechanically locked together ensuring a solid, resistant structure. The internal movable blades have a black anodised finish and are complete with an integral hinge and an edge seal of extruded vinyl. All louvers are manufactured to the highest standards of both fabrication and performance.

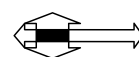
Options

- Powdercoat finishes are available to match varying Architectural Specifications
- Natural Anodised finishes
- Colour Anodised finishes (as are suitable)
- Galvanised Steel or Stainless Steel bird mesh
- Colorbond or Metal Blanking

Note:

Actuators can be mounted top or bottom, specify when ordering.

Project	Harbour One
Completed	2013
Architect	Plus Architecture
System	Plant Room Louvers
Builder	Brookfield Multiplex



OHCL | 124 Series

76mm Closable Weather Louver MODEL OHL- 124

FEATURES

- High Performance Louver
- Motorised or Manual Operation
- Straight Blade Profile
- Obstructed Line of Sight
- Low Resistance Louver

OPTIONS

- A Range of Powder Coat Finishes
- Aluminium Anodising

76mm Closable Weather Louvers



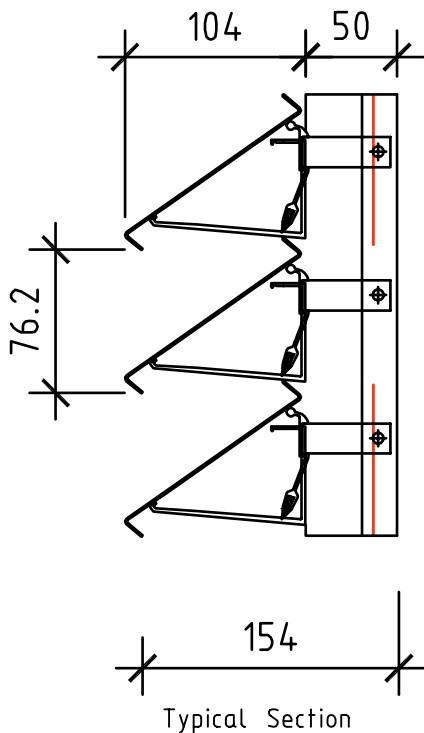
The OHL-124 louver is available in a closable option. It offers performance and appearance similar to the basic model with the facility to close the louver by means of concealed damper blades, pivoted on the underside of each fixed blade, and gang operated by either manual or motorised means. It is ideally suited for use in high wind storm conditions. While open, it offers minimum air flow resistance with low droplet penetration for normal weather.

Typical uses are to provide controlled air movement in conjunction with powered and natural ventilation schemes in factories, plant rooms, power stations and similar projects.

Other suitable applications include controllable air inlets operating with smoke clearance systems, where louvers would normally remain closed, but would open in the event of an emergency. Bird screen material slides horizontally into tracks between blades so that linkages are not obstructed.

It is available with a choice of two standard frame sections. The first being a 45mm flanged typed frame profile, with the second option being the 25mm channel section.

All of the louver components, including the rear posts and blade support clips, are fabricated from extruded aluminium, which eliminates any potential issues with dissimilar metals within the system.



AS-4740: 2000 Australian Standard Classification



Water Ingress Efficiency - Class B



Wind Load Rating - Level 1





Construction

The OHL-124 louver system is constructed entirely of 6063 T5 extruded aluminium, mechanically locked together ensuring a solid, resistant structure. The internal movable blades have a black anodised finish and are complete with an integral hinge and an edge seal of extruded vinyl. All louvers are manufactured to the highest standards of both fabrication and performance.

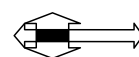
Options

- Powdercoat finishes are available to match varying Architectural Specifications
- Natural Anodised finishes
- Colour Anodised finishes (as are suitable)
- Galvanised Steel or Stainless Steel bird mesh
- Colorbond or Metal Blanking

Note:

Actuators can be mounted top or bottom, specify when ordering.

Project	Star of the Sea College
Completed	2012
Architect	Architectus
System	Mechanical Services Louvers
Builder	Kane Constructions



OHL | ST Series

2 or 4 Row Sound Trap Louvers MODEL OHL- ST

FEATURES

- OHL Series Range of Profiles
- Straight or Curved Blades
- Obstructed Line of Sight
- 2 or 4 Row Acoustic Treatment
- Modular Assembly

OPTIONS

- A Range of Powder Coat Finishes
- Aluminium Anodising

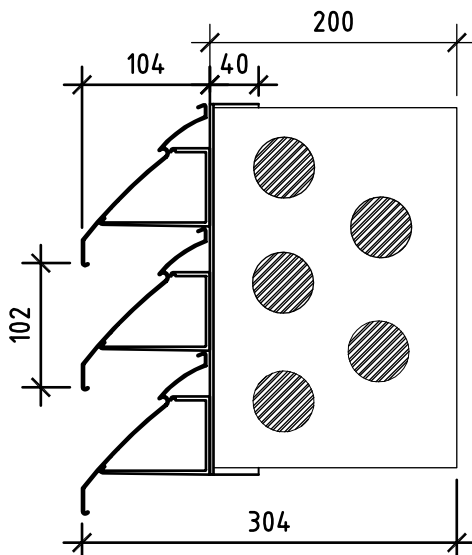
Sound Trap Acoustic Louvers



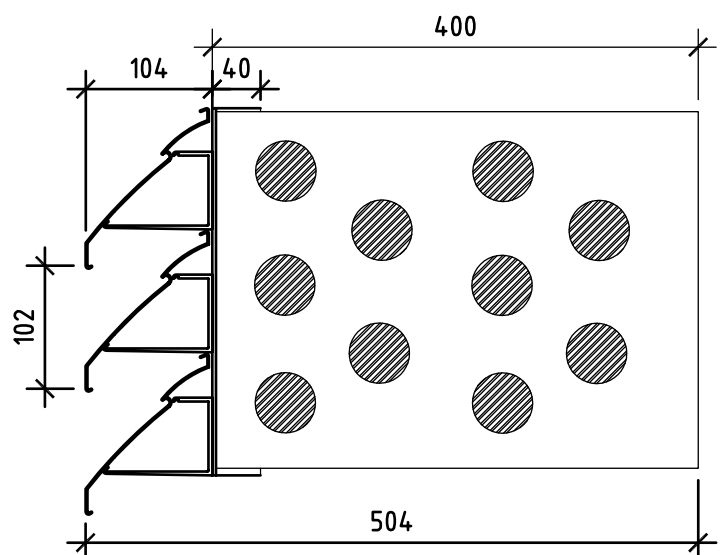
The Holyoake Sound Trap attachment is a modular assembly designed primarily to be installed to the rear of with any louver within the Holyoake range to reduce the sound transmission to and from the environment.

The main advantage of incorporating the installation of ST units to the rear of the standard louver profiles lies in having the ability to achieve a high acoustic capability from the louver, whilst maintaining the visual aesthetics of the conventional external system.

The need for the installation of unsightly acoustic panels can be removed with the use of the ST units in combination with louvers from the standard Holyoake range.



Typical Section - ST2/KD100 Combination



Typical Section - ST4/KD100 Combination

AS-4740: 2000 Australian Standard Classification



Water Ingress Efficiency -
As selected profile



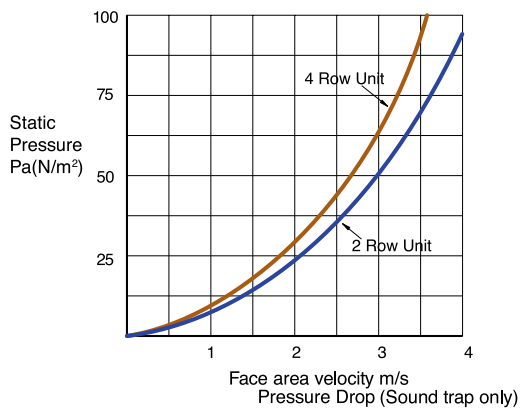
Wind Load Rating - Level 1

The ST units are fabricated with two options. The OHL-ST2 and the OHL-ST4. The choice of either will be dependent on the actual site and the desired attenuation.

The units consist of a number of cylindrical sound absorbing elements, set in a staggered arrangement and mounted either vertically or horizontally. These elements are mounted in a sheet metal housing which matches the louvre selected.

Note: The maximum single unit size is 2400 x 1000
ST- Sound Trap units are constructed using 1.2mm galvanised steel.





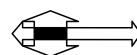
Project	Next DC Data Centre
Completed	2012
Architect	Greenbox Architecture
System	Acoustic Mechanical Services Louvers
Builder	FDC Constructions

Noise Reduction to Free Field (dB)

Frequency Hz	63	125	250	500	1K	2K	4K	8K
2 Row Unit - ST2	14	15	17	20	24	26	27	27
4 Row Unit - ST4	16	17	19	24	35	40	41	39

Insertion Loss (dB)

2 Row Unit - ST2	0	1	3	5	6	13	8	11
4 Row Unit - ST4	0	1	6	9	12	19	18	15



OHL | DR Series

Louvered Doors MODEL OHL- DR

FEATURES

- Range of Performance Louvers
- Range of Blade Profiles
- Single or Double Doors
- Obstructed Line of Sight
- Standard or Selected Hardware

OPTIONS

- A Range of Powder Coat Finishes
- Aluminium Anodising

Louvered Doors

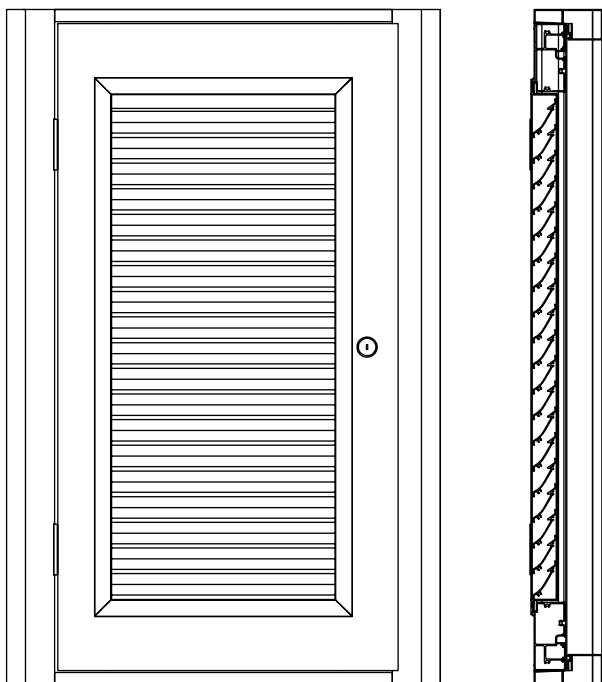


The Holyoake Louver Door System has been designed to incorporate all of the features that you could think of in an architectural door and still be compatible with our entire range of outside louvers.

The Louver Door System is robustly constructed in extruded aluminium box sections to provide the strength required to hang a large louver door. All on site fixings are designed to be concealed once the door has been installed. The doors are hung with high quality stainless steel hinges that have been selected to take the load of a large door.

The outer frame of the door system can be supplied in either flanged or channel form. If the frame is supplied in channel form, a sealant cavity is left to allow for a flush mounted installation. The inside edge of the door frame has an edge to trim to. This edge also gives the option of fitting timber reveals or, if the door is installed in a thinner wall, this edge has been designed to be easily removed. The louver doors are constructed with a rigid square frame to fix the hinges and the lock set to. The doors come standard with a high quality lock set. The front of the door has a rubber seal on the closing face to eliminate door rattle. This also gives the door a positive closure feeling. The hinged posts of the doors have a security lip on the inside edge. This lip is there to prevent the doors being lifted out even if the hinge pins are removed. With all of these features incorporated into the Holyoake Louver Door System as standard it now makes the appearance and installation of our louver doors second to none.

Various Louver Infills available



Typical Single Door Elevation and Section

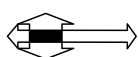
AS-4740: 2000 Australian Standard Classification



Water Ingress Efficiency -
As selected profile



Wind Load Rating - Level 1





Construction

Holyoake Louvered Door Systems are constructed entirely of 6063 T5 extruded aluminium, mechanically locked together ensuring a solid resistant structure. All louvers are manufactured to the highest standards of both fabrication and performance.

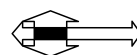
Features

Holyoake doors are available as either single or double door sets. Any louver within the Holyoake range of outside louvers can be fitted.

Options

- Powdercoat finishes are available to match varying Architectural Specifications
- Natural Anodised finishes
- Colour Anodised finishes (as are suitable)
- Galvanised Steel or Stainless Steel bird mesh
- Colorbond or Metal Blanking

Project	CSC Docklands Project
Completed	2010
Architect	Bates Smart
System	Louvered Doors Sets
Builder	St Hillier's Constructions



OHL | PHL Series

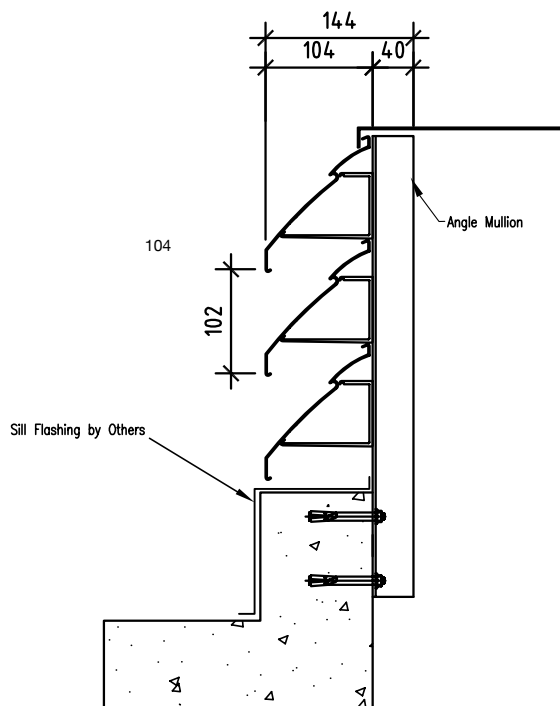
Penthouse Louvers MODEL OHL-PHL

FEATURES

- OHL Series Range of Profiles
- Straight or Curved Blades
- Obstructed Line of Sight
- Box or Mitred Corners
- Modular Assembly

OPTIONS

- A Range of Powder Coat Finishes
- Aluminium Anodising



Typical Section
Model PHL-102 illustrated.

AS-4740: 2000 Australian Standard Classification



Water Ingress Efficiency -
As selected profile



Wind Load Rating - Level 1

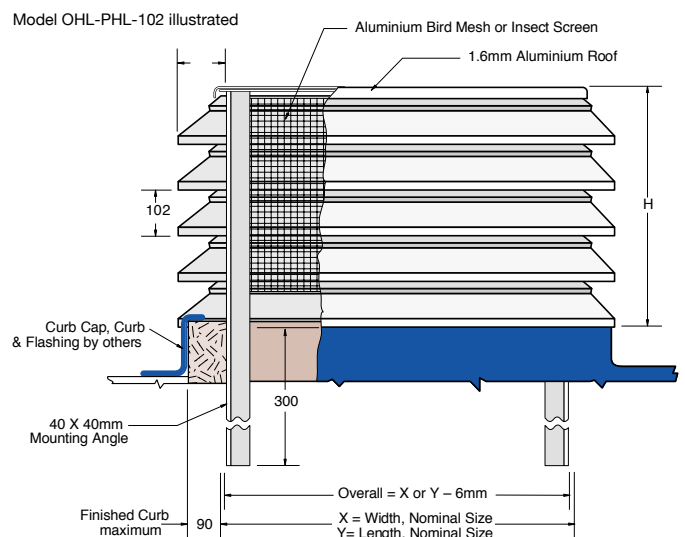
Penthouse Louvers

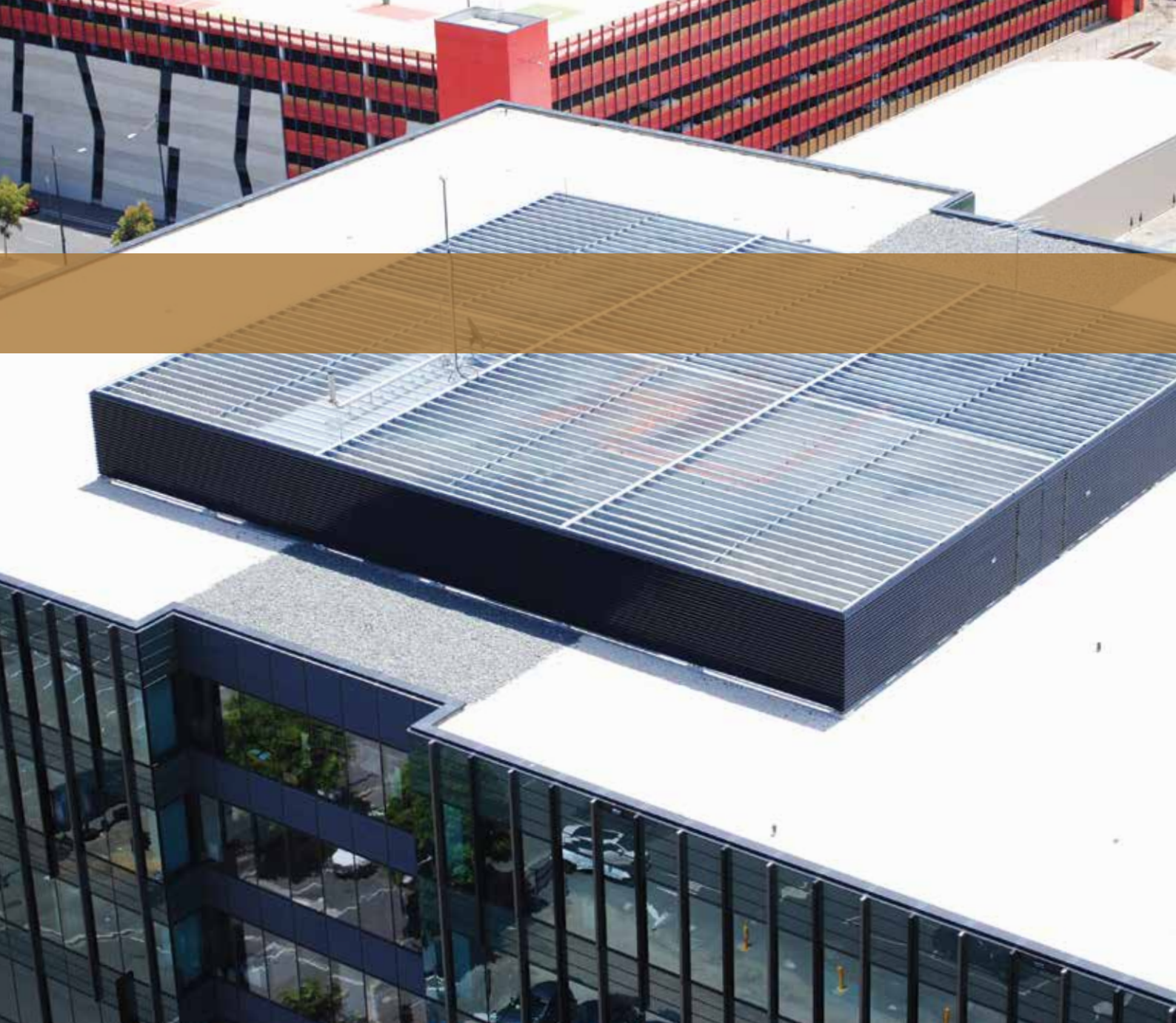


Holyoake penthouses are designed and built to become a permanent part of the building. They maintain their attractive appearance and effective weather protection for many years as a result of their solid, extruded aluminium construction and careful workmanship.

These penthouses incorporate the OHL Series horizontal outside louvers, a choice of standard blade sections and screen mesh sizes. They are finished with mounting angles for easy and versatile mounting on a variety of roof curbs.

All of the louver components, including the rear posts and blade support clips, are fabricated from extruded aluminium, which eliminates any potential issues with dissimilar metals within the system.





Construction

The OHL-PHL louver system is constructed entirely of 6063 T5 extruded aluminium, mechanically locked together ensuring a solid, resistant structure. All louvers are manufactured to the highest standards of both fabrication and performance.

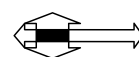
Features

- Available in a series of different Holyoake blade profiles
- 40 x 40 vertical mounting angles to each corner
- Can be manufactured in individual panel format, or as a single assembled unit (this option is dependent on the finished size required)

Options

- Powdercoat finishes are available to match varying Architectural Specifications
- Natural Anodised finishes
- Colour Anodised finishes (as are suitable)
- Galvanised Steel or Stainless Steel bird mesh
- Colorbond or Metal Blanking
- Mitred or capped corner detail options
- Complete with steel or aluminium roof options

Project	CSC Docklands Project
Completed	2010
Architect	Bates Smart
System	Penthouse Screen
Builder	St Hilliers Constructions



Specialist Products

FEATURES

- Range of Profiles
- Engineering Support
- Design and Installation
- Product Development
- CAD & REVIT Support

OPTIONS

- A Range of Powder Coat Finishes
- Aluminium Anodising



Facade Treatment



Holyoake Industries also has the capacity to design and manufacture “Special Products” to suit particular client requirements. This is in addition to the fabrication of our standard outside louver range. We have the personnel, expertise and capacity to manufacture high quality products to suit a variety of applications from plant screens to carpark ventilation walls.

Finished products are generally fabricated from specifically engineered aluminium sections; however we also have the capacity to allow for the use of other materials if required.

Recently completed projects have included the supply and installation of screens utilising RHS sections, perforated aluminium, extruded elliptical blade sections and expanded mesh.

Talk to us about your particular requirements.

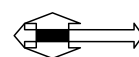
Project	ANZ Head Office
Completed	2012
Architect	Hassell
System	Internal Atrium Screens
Builder	Bovis Lend Lease



Options

- Powdercoat finishes are available to match varying Architectural Specifications
- Natural Anodised finishes
- Colour Anodised finishes (as are suitable)
- Galvanised Steel or Stainless Steel bird mesh
- Colorbond or Metal Blanking

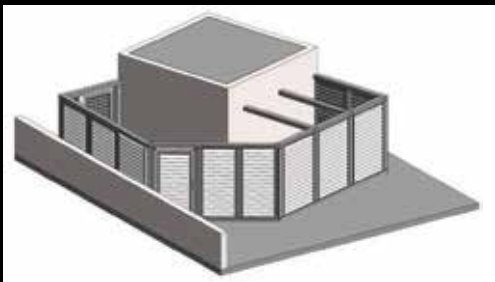
Project	CSC Docklands Project
Completed	2010
Architect	Bates Smart
System	Penthouse Screen
Builder	St Hilliers Constructions



BIM Models

FEATURES

- Revit BIM Models
- Engineering Support
- In-house Design Expertise
- Product Development
- CAD & REVIT Support

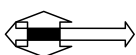


Building Information Modeling

Building information Modeling (BIM) has become a significant and key component in the forward direction of the Australian Building Industry. The key benefits of BIM include the efficient and intelligent 3D modeling, higher quality documentation, quality of information and improved ability for analysis and design audit.

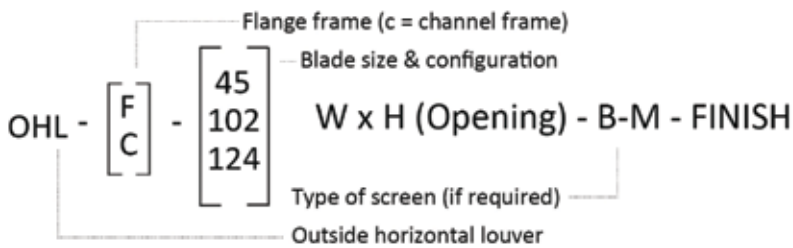
Holyoake Industries has been at the forefront of this development in the Australian Building Industry by modeling our complete standard range of products for Architects and Consultants to apply to their designs. Holyoake Industries Revit BIM models have been built to the highest industry standards ensuring integrated project delivery.

Holyoake also has the ability to design, model and offer Revit models for our specialised job specific products. Visit the new Holyoake website at www.holyoake.com where registered users are able to research, compile, review, specify and download Holyoake Industries Revit product families.

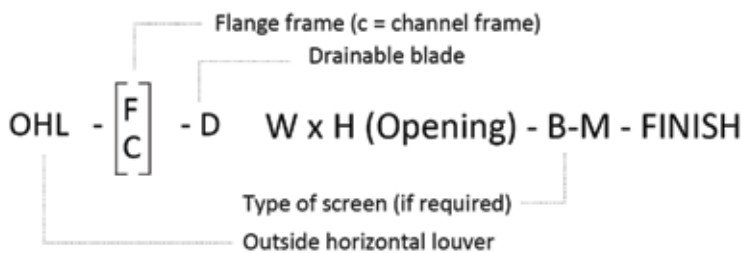


Louver Description

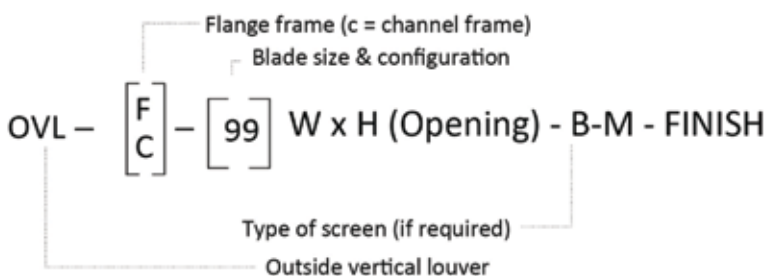
Code examples & suggested specifications



Weather Louvers shall be Holyoake Model OHL-102 curved profile with louvered blades set at 102mm centres and constructed in a 104mm deep flanged (F) or channel (C) frame to suit the installation profile. Weather Louvers shall be test certified to AS 4740:2000 being of Class "C" water ingress efficiency and level 1 wind load rating. Weather Louvers shall be of extruded aluminium construction and finished in natural anodised or powder coat and fitted with accessories and dampers where indicated as manufactured by Holyoake. (Example specification for OHL-102 louver)



Weather Louvers shall be Holyoake Model OHL-D Drainable Blade Louver with blades which drain through vertical cavities to discharge water at the bottom of the louver. Drainable Louvers Blades shall be 102mm louvered blades set at 76mm centres and constructed in a 104mm flanged (F) or channel (C) frame to suit the installation profile. Weather Louvers shall be test certified to AS 4740:2000 being of Class "B" water ingress efficiency and level 1 wind load rating. Drainable Blade Weather Louvers shall be of extruded aluminium construction and finished in natural anodised or powder coat and fitted with accessories and dampers where indicated as manufactured by Holyoake. (Example specification for OHL-D louver)



Weather Louvers shall be Holyoake Model OVL-99 with 100mm vertical louvered blades set at 64mm centres and constructed in a 104mm flanged (F) or channel (C) frame to suit the installation profile. Weather Louvers shall be test certified to AS 4740:2000 being of Class "B" water ingress efficiency and level 1 wind load rating. Vertical Blade Weather Louvers shall be of extruded aluminium construction and finished in natural anodised or powder coat and fitted with accessories and dampers where indicated as manufactured by Holyoake. (Example specification for OVL-99 louver)



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