

We customise to your design



Since 1967



Architectural Products in Metal

**RainNE**  
**RainTech**  
Roof Drainage System

**BuNos**  
Fascia Capping

**cube**  
wall panel  
Wall Panel &  
Ceiling System

**AIRLOUVERS**  
Ventilation Louvers

**SHADER**  
Box Louvers



### About Us

SENG YOON SENG HOLDINGS SDN BHD (SYS) is one of the leading manufacturers of international quality rainwater management products. Formed in 1967 as a small tinsmith, the company has garnered an enviable track record in Malaysia's building industry, providing customers with the finest custom-made and decorative rainwater management products with our 49 years of solid and practical problem solving and installation experience. The company has established strong foundations in developing its rock solid reputation in handling projects of all scale.

Our core products include RainTech and RainNe Gutter System, Air Louvers, Shaders, BuNos Fascia Cappings, Soffits and Cappings and Qube Panel Ceiling System.



### Safety Requirements

We follow strict guidelines and safety measures to fulfill necessary safety requirements for all projects.

### Reputation

With 45 years of experience in fabricating, installing and providing great support, we are fast, flexible and have a reputation as a technology leader, with innovations such as RainNe and RainTech Gutter System, BuNos Soffits, Fascias and Copings, Air Louvers Shaders and Qube Panel Ceiling System.

Our reputation and long list of satisfied customers attest to our superior craftsmanship, attention to detail, honesty and integrity.

### Our Strengths

SYS has been constantly producing quality world class products for over 49 years. Furthermore, we provide extensive technical support to our customers on an individual project basis with complete drawings and calculations.

### Technology

We have well equipped facilities using state-of-the art German fabrication machines, customizable to bend profile up to 7m in length, cut-to-length uncoiler and more.

### Customer First Policy

SYS believes in putting our valued customers first. From the preliminary to progressive meetings, right up to sorting out issues, SYS puts you, the customer at the top of our agenda. We will listen and understand your needs so that it becomes ours, and we will deliver the solutions to you. This makes us a reliable partner throughout the life-cycle of the building or home.

### Process-driven

We support our customers every step of the way; from design, manufacturing and installation to providing sound technical support.

### Delivery

We meet all deadlines no matter the size of the projects.



### Green Technology

Our products using aluminium are categorized as "green" products as it is a long lasting material and also recyclable in the future.

The RainNe and RainTech rainwater gutter can also be installed with a rainwater harvesting system.

SYS is a member of MALAYSIA GREEN BUILDING CONFEDERATION (<http://www.greenpagesmalaysia.com>)

# SYS Products



**RainNe – Residential Gutter Systems**

Gutter System designed for residential. Each design is unique and functional which can be used to add classic and decorative features to your home or building.



**RainTech – Commercial Gutter Systems**

High performance rain gutter system for commercial buildings. A wide range of designs and materials to meet all types of buildings and budgets. We are able to provide a technical report for the gutter size and rain water down pipe size for consultants and engineers.



**Rain Harvesting System**

A complete rainwater harvesting system with “Green” gutter and customizable stainless steel water tank. The complete Aluminium Gutter System with Slim Tank is a perfect match for going green with space constraint project.



**BuNos Fascias and Soffits**

BuNos Fascias and Soffits are the ideal solutions for roof edge protection that suit all designs and budgets. BuNos’ systems are manufactured using high quality, polyester coated aluminium or aluminium-zinc that are available in several custom-made, bold generic shapes and with many designs to choose from.



**Qube Panel and Strip Ceiling Systems**

The Qube Panel and Strip Ceiling Systems are secretly-fixed modular planking system that works on overhanging soffits and canopies or as part of a BuNos fascias scheme. Qube panel and strip ceiling systems are formed from flat metal sheet and can be aluminium or aluminium-zinc.



**Air Louvers – Ventilation Louvers**

Specializes in optimizing air circulation and controlling sunlight intensity of the building. The blades are available in various designs, whether end or bracket fixed. For maximum rain resistance, Triple Banks Louvers is recommended for maximum rain resistance.



**Operable Louvers – Ventilation Louvers**

Sustainable solutions that cleverly adjusts the amount of air and sunlight into your building. The louver’s blades can be opened and closed, either manually or automatically (motorized).



**Shader – Sun Shade Louvers**

Controls sunlight intensity and provide privacy. The blades design have many profiles such as L Shape, Box Type and Tapered Box Type. It is an art of bending sun ray.



**AIRLOUVERS**

Air Ventilation  
& Sunshade  
Louvers



## Enhance Air Quality of Buildings

Air louver is a ventilation product that provides air intake and exhaust openings to the walls of buildings.

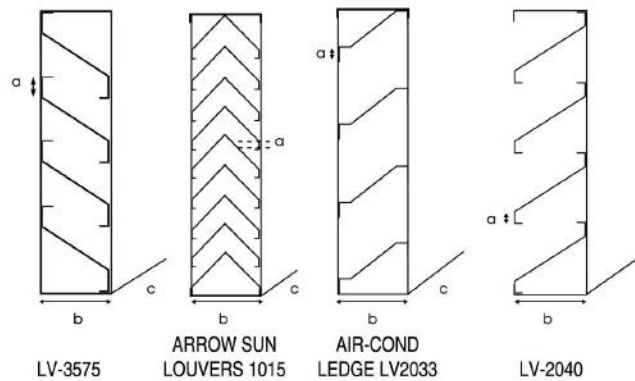
SYS Air Louvers are designed with Z-shaped blades which allow maximum air flow into the building while providing maximum resistance against rainwater, dirt and debris.

We are also able to manufacture customized profile based on our customer's design.

### FEATURES:

- Z-Shape profile and customisable profile design.
- Various type of installation methods.
- Aluminium or Aluzinc material.
- Light weight system.
- Anodized, powder coated or prepainted colour finishes.

Product ID LV3575	Product ID ARROW 1015	Product ID LV2033	Product ID LV2040
a 35mm	a 10mm	a 20mm	a 20mm
b 100mm	b 25mm	b 75mm	b 25mm
c 1200mm	c 1200mm	c 1200mm	c 1200mm

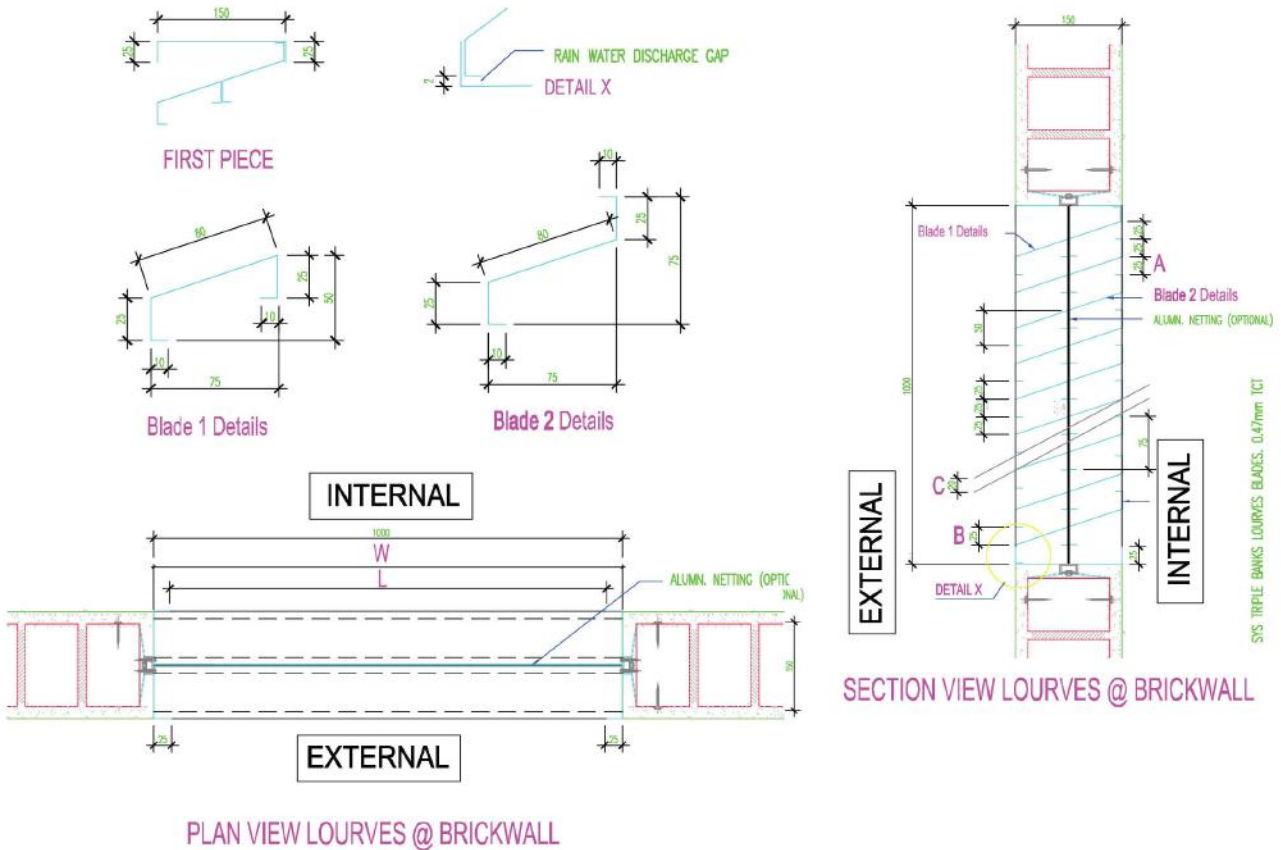




**FA% 38.95**

**AIRLOUVERS**

**Triple Banks**



**Free Area Calculation By Percentage**

**Abbreviation**

- FA Free Area in Percentage, %
- A Minimum distance between the head & top blade
- B Minimum distance between sill & bottom blades
- C Minimum distance between adjacent blades
- N Number of "C" openings in the Louver
- L Minimum distance between Louver Jambes
- W Actual Louver width
- H Actual Louver height

<b>FA%</b>	<b>38.95</b>		
A	=	25	mm
B	=	25	mm
C	=	20	mm
N	=	18	nos
L	=	950	mm
W	=	1000	mm
H	=	1000	mm

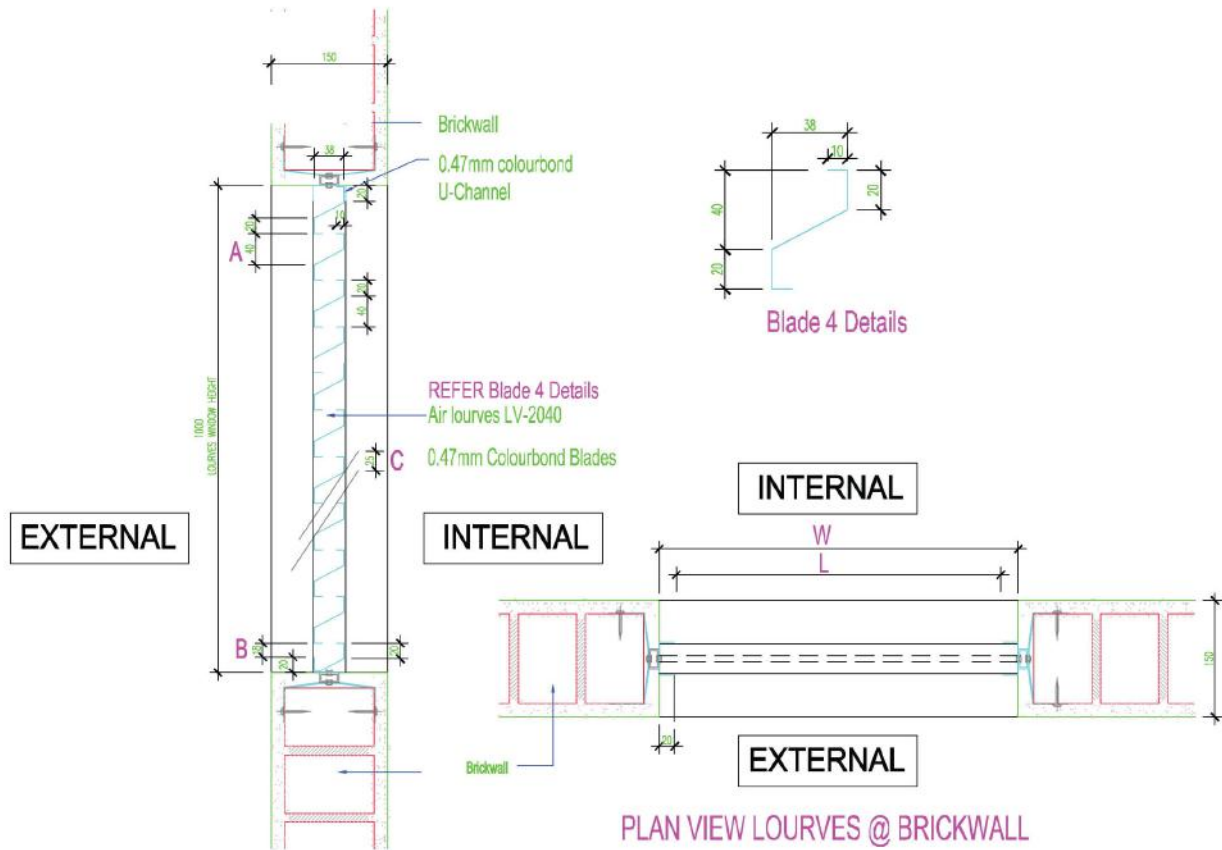
Vertical Panel	0
Mullions	2

Model	Description	Configuration	Blade Spacing	Louvers Depth	Open Area
Triple Banks	Ventilation Louvers	Bracket-End Fixed	25mm	150mm	38.95%

**FA% 43.97**

**AIRLOUVERS**

**LV2040**



**Free Area Calculation By Percentage**

**Abbreviation**

- FA Free Area in Percentage, %
- A Minimum distance between the head & top blade
- B Minimum distance between sill & bottom blade
- C Minimum distance between adjacent blades
- N Number of "C" openings in the Louver
- L Minimum distance between Louver Jambes
- W Actual Louver width
- H Actual Louver height

**FA%**      **43.97**

A	=	40	mm
B	=	18	mm
C	=	25	mm
N	=	16	nos
L	=	960	mm
W	=	1000	mm
H	=	1000	mm

Vertical Panel	0
Mullions	2

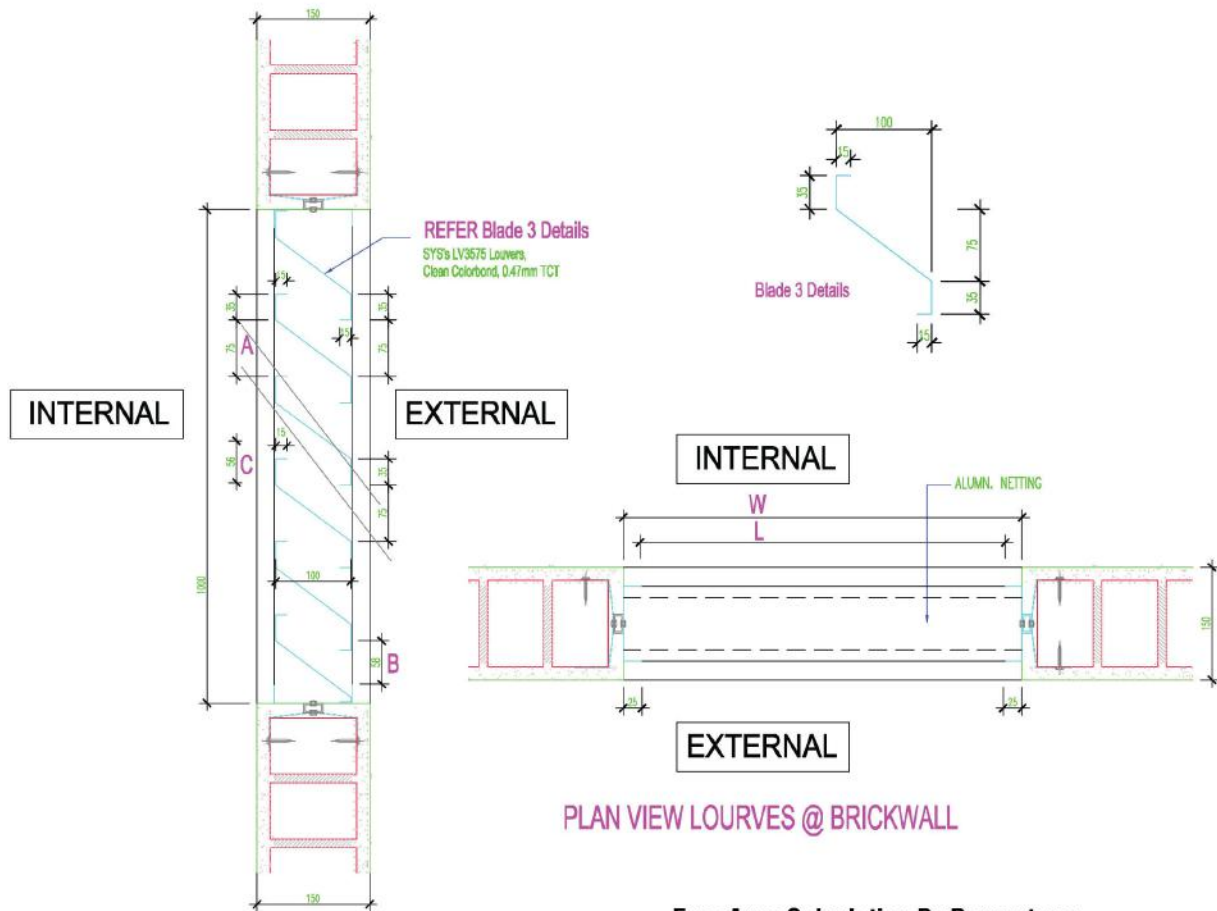
Model	Description	Configuration	Blade Spacing	Louvers Depth	Open Area
LV2040	Slim Louvers	Bracket-End Fixed	40mm	38mm	43.97%



**FA% 55.20**

**AIRLOUVERS**

**LV3575**



PLAN VIEW LOURVES @ BRICKWALL

**Free Area Calculation By Percentage**

**Abbreviation**

- FA Free Area in Percentage, %
- A Minimum distance between the head & top blade
- B Minimum distance between sill & bottom blade
- C Minimum distance between adjacent blades
- N Number of "C" openings in the Louver
- L Minimum distance between Louver Jambs
- W Actual Louver width
- H Actual Louver height

FA% **55.20**

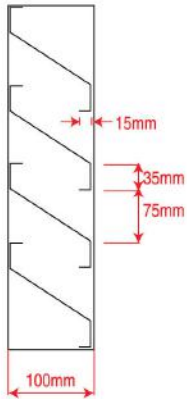
A	=	75	mm
B	=	58	mm
C	=	56	mm
N	=	8	nos
L	=	950	mm
W	=	1000	mm
H	=	1000	mm

Vertical Panel	0
Mullions	2

Model	Description	Configuration	Blade Spacing	Louvers Depth	Open Area
LV3575	Ventilation Louvers	Bracket-End Fixed	75mm	100mm	55.20%

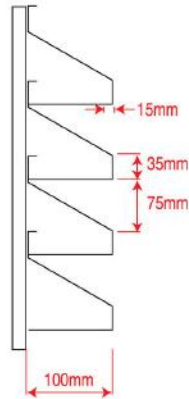
## Louvers LV3575 ( End Fixed )

Louvers - LV3575 Details



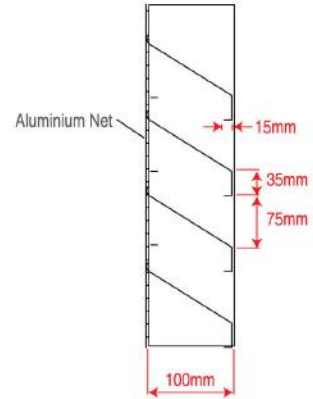
## Louvers LV3575 (Bracket Fixed)

Louvers with U Bracket Details

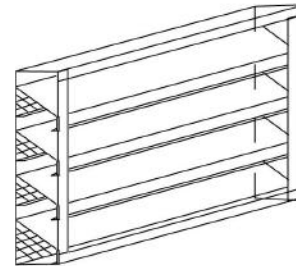
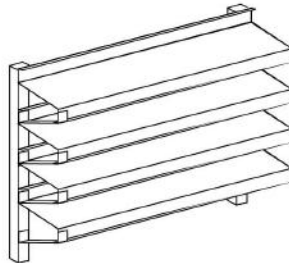
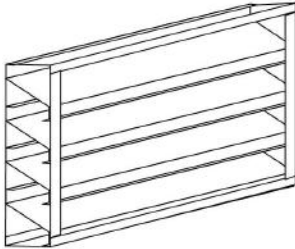


## Louvers LV3575 with Aluminium Net

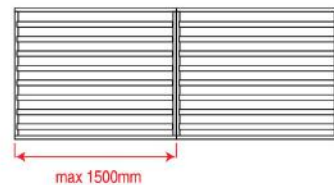
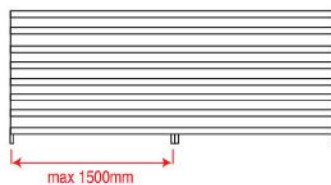
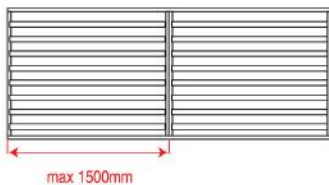
Louvers - LV3575 with  
Aluminium Net Details



SECTION DETAILS



ISOMETRIC VIEW



FRONT VIEW



SYS LV3575 is conform to BS EN 13030:2001 with **CLASS 4** for Coefficient of Discharge or Entry i.e.

**minimum 19% of wind ventilation flow.**

SYS LV3575 is conform to BS EN 13030:2001 with **CLASS C/D** for Effectiveness of Rain Water Penetration through louvre opening i.e.

**minimum \*80% (maximum \*94.99%)** of preventing water penetration through open hole of louvre.


[\* subject to rate of wind velocity]



SHADER BOX  
LOUVERS



AIR LOUVERS  
LV3575



AIR LOUVERS  
LV2040

# SHADER

Box Louver Sunshade Panel System

**Offers a versatile and practical solution to manage sun ray and privacy.**

SHADER sunshade is a box louver sunshade panel system that offers a versatile and practical solution to manage sun ray and privacy.

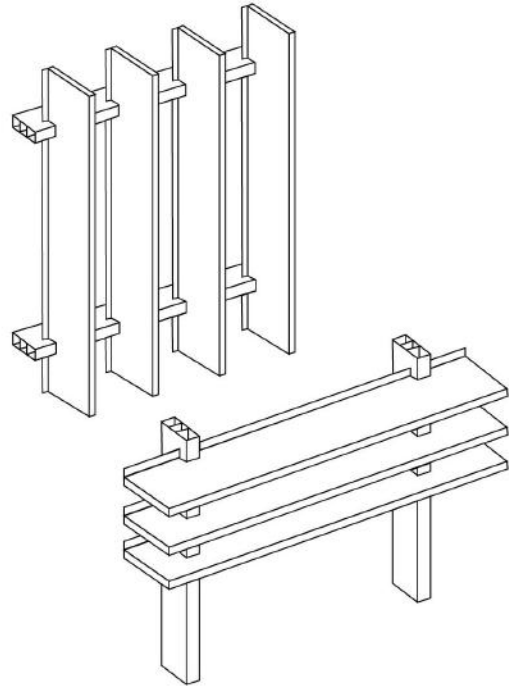
Its rectangular Aluminium or Metal box sections provide an alternative to conventional louvers.

The size of the SHADER design can be specified to a project requirement.

Box sections are available in a wide range of sizes and can be readily adapted to a variety of installation options.

## FEATURES:

- Blades height range from 20mm to 100mm.
- Various type of installation methods.
- Aluminium or Aluzinc material.
- Light weight panel system.
- Anodized, powder coated or prepainted colour finishes.



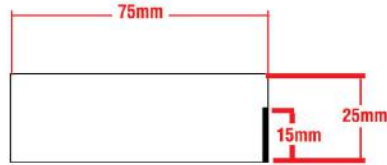
# SHADER

## Box Louvers

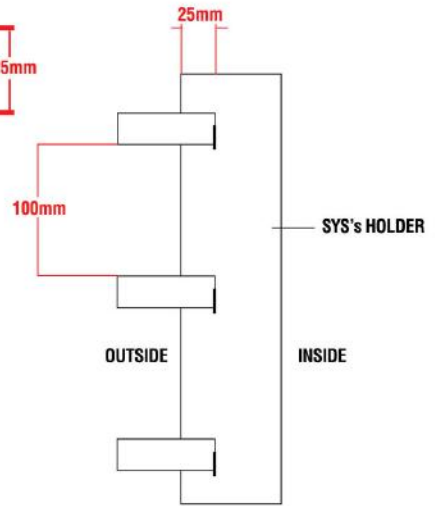
SUPPORT HOLDER SECTION VIEW



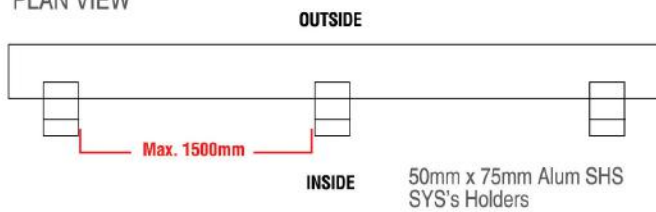
BOX LOUVERS DETAILS



SECTION VIEW

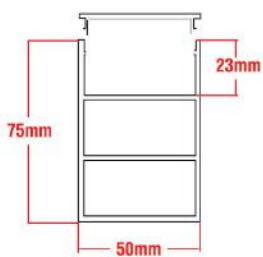


PLAN VIEW

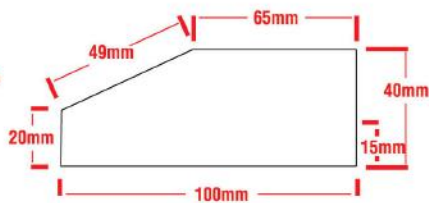


## Tapered Box Louvers

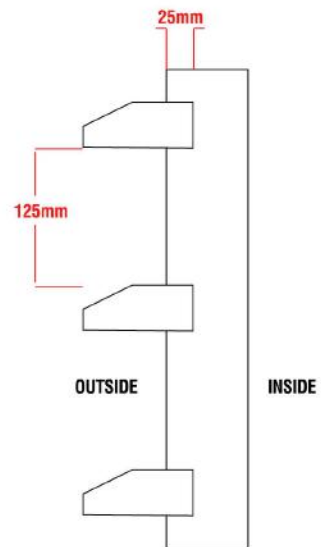
SUPPORT HOLDER SECTION VIEW



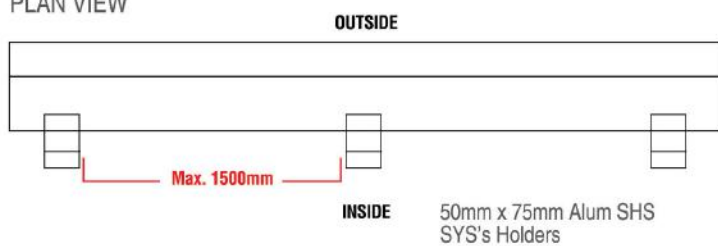
TAPERED BOX LOUVERS DETAILS



SECTION VIEW

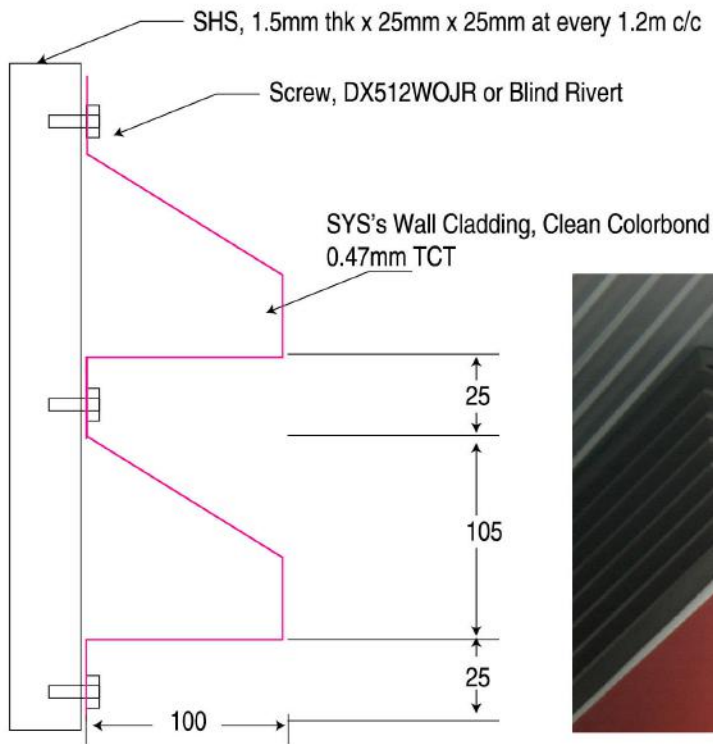


PLAN VIEW



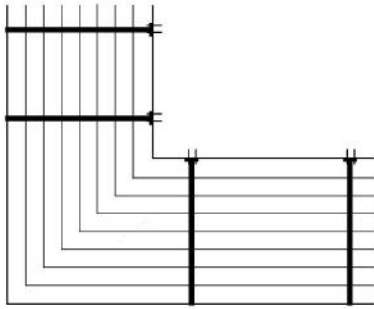
# AIRLOUVERS

## Louvers Wall Cladding - Water and Air tight wall cladding

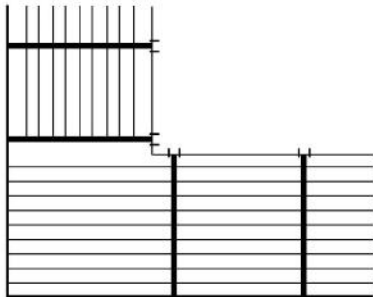


## Corner Solutions

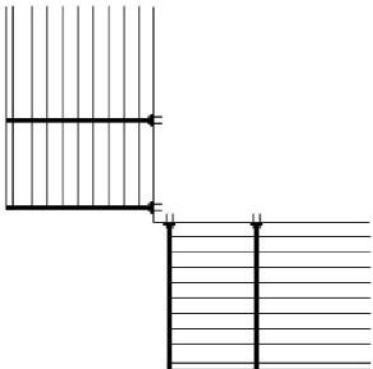
There is a solution for every corner angle, some standard configurations are shown.



Angle Joint

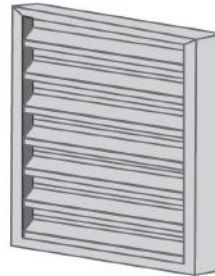


Straight Joint



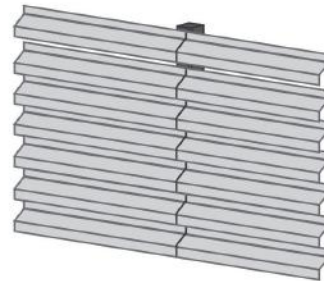
Open Joint

## Fixing Method



### End Fixed

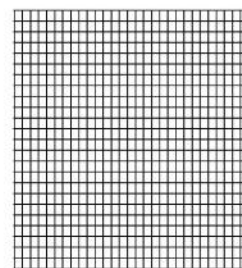
- End fixing with U-channel Frames



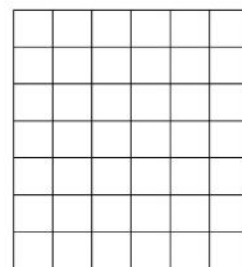
### Bracket Fixed

- Blades are fixed to an extruded bracket arm
- Supporting by hollow section

## Netting Accessories



Anti-vermont netting



Bird netting



# AIRLOUVERS Specifications Guide

Item	Description	Qty	Unit
<b>1.</b>	<b>Air Louvers Triple Banks Louvers</b>		
	Triple banks Louvers panel complete with frame depth 150mm thick infilled with 'Z' section Aluminum Zinc Alloy louver blades - Material : Aluminum –Zinc alloy substrate Az150 - Thickness : 0.47mm	1	m <sup>2</sup>
	Louvers Flashing - Material : Aluminum –Zinc alloy substrate Az150 - Thickness : 0.47 - Girth : 300mm	1	m
<b>2.</b>	<b>Air Louvers LV3575</b>		
	LV3575 Louvers panel complete with frame depth 150mm thick infilled with 'Z' section Aluminum Zinc Alloy louver blades conform to BS EN 13030:2001 - Material : Aluminum –Zinc alloy substrate Az150 - Thickness : 0.47mm	1	m <sup>2</sup>
	Louvers Flashing - Material : Aluminum –Zinc alloy substrate Az150 - Thickness : 0.47 - Girth : 300mm	1	m
<b>3.</b>	<b>Air Louvers LV2040</b>		
	LV2040 Louvers panel complete with frame depth 38mm thick infilled with 'Z' section Aluminum Zinc Alloy louver blades - Material : Aluminum –Zinc alloy substrate Az150 - Thickness : 0.47mm	1	m <sup>2</sup>
	Louvers Flashing - Material : Aluminum –Zinc alloy substrate Az150 - Thickness : 0.47 - Girth : 300mm	1	m

# SHADER Specifications Guide

Item	Description	Qty	Unit
<b>1.</b>	<b>Shader Box Louvers</b>		
	With 25mm x 75mm dimension blades with blade gap at 120mm c/c and with all necessary aluminum RHS and brackets.  Material : Aluminum –Zinc alloy substrate Az150 Blade Thickness : 0.47mm TCT	1	m <sup>2</sup>
<b>2.</b>	<b>Shader Tapered Box Louvers</b>		
	With 75mm x 450mm dimension blades with blade gap at 120mm c/c and with all necessary aluminum RHS and brackets.  Material : Aluminum –Zinc alloy substrate Az150 Blade Thickness : 0.47mm TCT	1	m <sup>2</sup>

Our Project Profile





a member of

metal design **49** since 1967  
years

We'd be more than happy to meet you

We know every project is unique. Regardless of the size of your project,  
we'd like to meet you to discuss your needs, and extend our professional services to you.  
We can be reached at

Seng Yoon Seng Holdings Sdn. Bhd. (323293-K)  
No.46, Jalan Industri PBP 3, Taman Industri Pusat Bandar Puchong,  
47100 Puchong, Selangor Darul Ehsan, Malaysia.

Tel: 03-5882 5086

Email: [inquiry@sengyoonseng.com](mailto:inquiry@sengyoonseng.com)

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Website: [www.sengyoonseng.com](http://www.sengyoonseng.com)

