

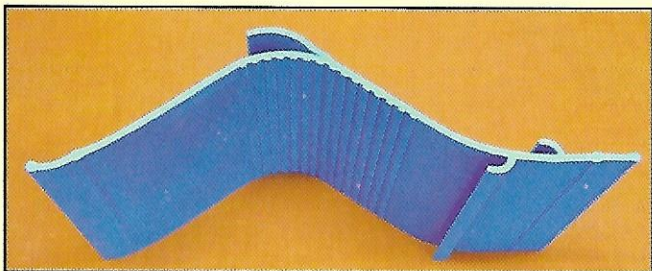


# S.M. Extrusions Pvt. Ltd.

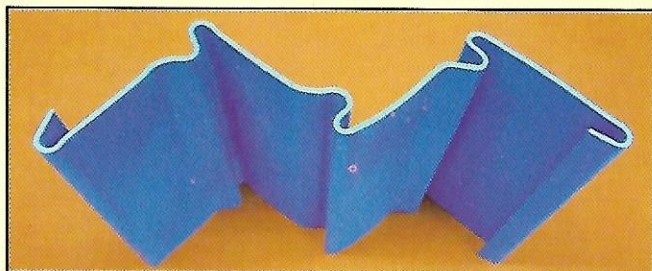
An ISO 9001-2000 Company

## PVC Mist Eliminators / Louvers for Humidification and Ventilation systems

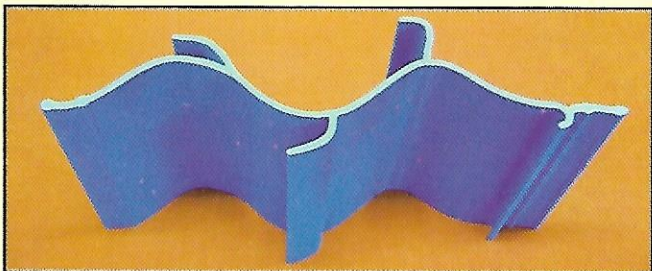
A wide range of PVC Eliminators and Louvers for use in Air washers, Humidification plants, Ventilation systems, Air handling units, Cooling towers, Cooling coils and such diverse applications to serve Textile, Cement, Power, Coal and many other industries.



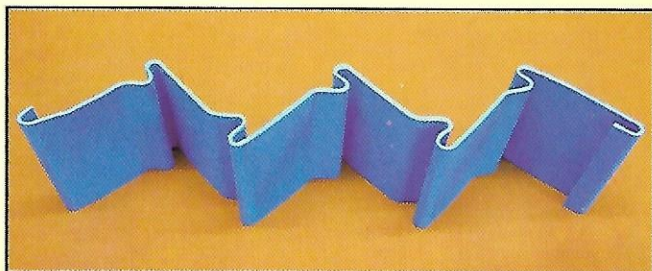
**Eliminator C - 23** - Profile width 170 mm  
For use at a pitch of 25 mm



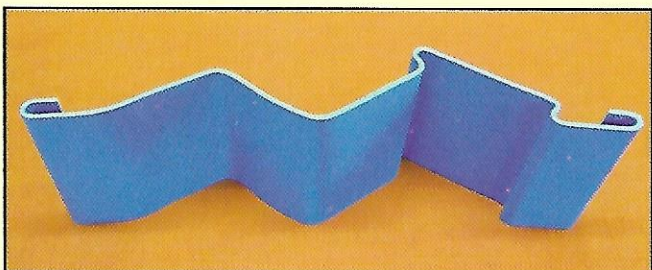
**Eliminator W - 34** - Profile width 170 mm  
For use at a pitch of 29.5 mm



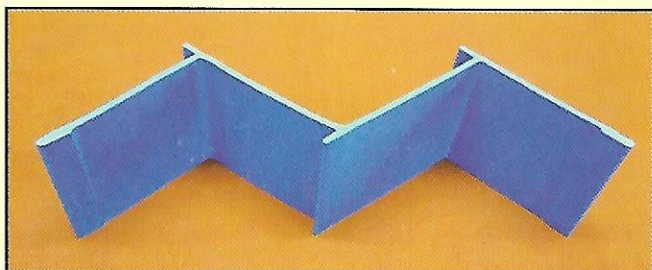
**Eliminator S - 45** - Profile width 150 mm  
For use at a pitch of 30 mm



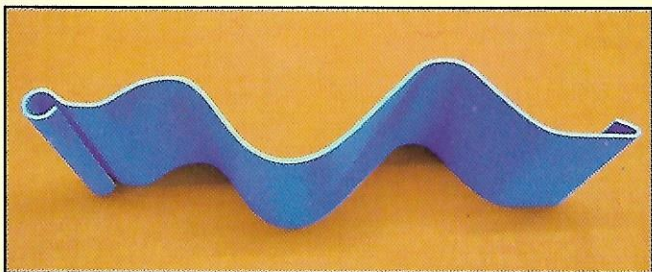
**Eliminator V - 36** - Profile width 255 mm  
For use at a pitch of 30 mm



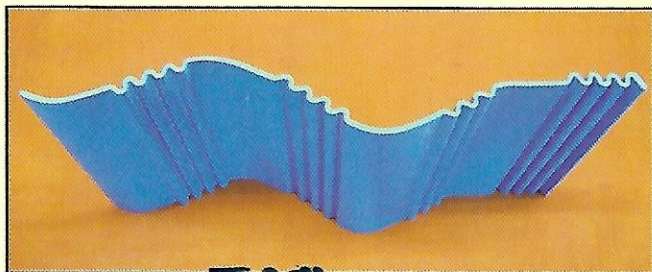
**Eliminator M - 56** - Profile width 250 mm  
For use at a pitch of 30.5 mm



**Eliminator N - 78** - Profile width 220 mm  
For use at a pitch of 30 mm



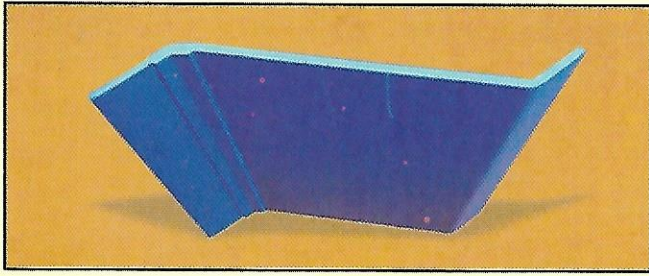
**Eliminator L - 67** - Profile width 215 mm  
For use at a pitch of 25 mm



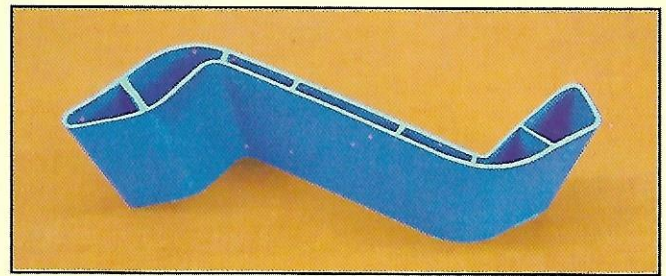
**Eliminator SM - 16** - Profile width 280 mm  
For use at a pitch of 25 mm

T-89





**Louver - Z type** - Profile width 25 + 84 + 13 mm  
For use at a pitch of 60 or 75 mm



**Louver - H-22** - Profile width 45 + 80 + 35 mm  
For use at a pitch of 75 mm

Mist Eliminators are used in applications where the purpose is to increase humidity in supply air, to reduce air temperature, to remove dust from air supply or a mix of two or more of these factors.

Extruded from the best available PVC in India on twin screw extruders of Kabra Extrusion Technik (Kolsite-Battenfeld collaboration), our products are made to give a trouble free service for years. The material is recommended for a maximum continuous operating temperature of 60° C due to inherent properties of the material, Poly Vinyl Chloride.

The eliminators are available in tailor made lengths. The customer has a choice of having the material packed in

- 1) Corrugated cartons covered with jute packing which gives a low cost packing suitable for normal handling in road transport but has a risk of breakage of some pieces in transit and breakage free transit cannot be guaranteed OR
- 2) Wooden crates which offer good protection against the rough and tumble of road transport, but at a higher cost of packing and added cost of transportation due to increased weight and volume of packing.

Eliminators can be installed by

- fixing into spacer bars / notched plates / combs which are fixed on PVC stiffeners / G.I. angles supported on side walls
- fixing into boxes made of PVC stiffeners / G.I. angles
- fixing into boxes made of G.I. / Aluminium sheets

Louvers can be installed by fixing them into special frames made of PVC stiffeners / G.I. angles.

We have developed fixing material in which all load bearing M.S. material is completely encased by PVC, avoiding costly hot dip galvanizing process. As the basic design of existing system of fixing on M.S. angles is maintained, there is no change in the manner in which eliminators / louvers are being installed at present. Corrosion which cannot be prevented even with costly surface treatment processes, has a limited effect on this type of fixing materials. Design has been modified to discard bolting requirements wherever possible.

A separate catalogue is available giving details of fixing material for Eliminators / Louvers / diffusers. We shall be pleased to provide installation information, based on decades of our experience in the field.



An ISO 9001-2000 Company

**S.M. Extrusions Pvt. Ltd.**

158-A-159/D,160,161, Shivshakti Estate, Near V-Trans  
Narol, Ahmedabad 382 405, Gujarat India.

Phone : +91-79-2573 4469 / 5449  
Fax : +91-79- 2573 3723  
Email : smext@dataone.in  
website : www.smextrusions.com



# SM

# S. M. Extrusions Pvt. Ltd.

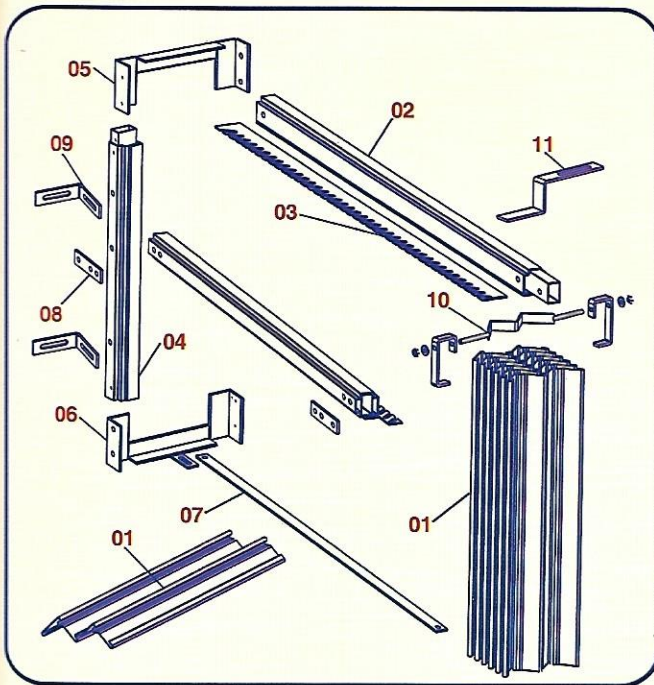
## PVC Frame for Eliminators of Humidification/Ventilation System



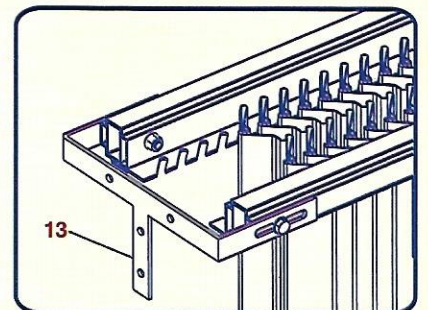
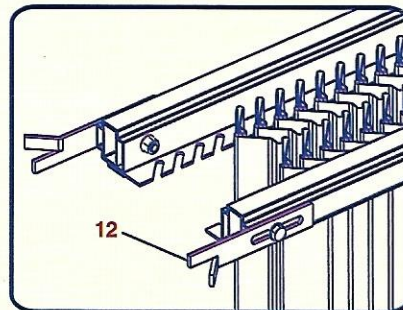
BOX type arrangement

PVC Side Seal

### Exploded Assembly Parts



Wall Mounting arrangement



### List of Parts

1. PVC Eliminator.
2. PVC Horizontal Stiffener (with M. S. Box Inserted).
3. PVC Spacer Bar.
4. PVC Vertical Stiffener (with M. S. Box Inserted).
5. M. S. HDG Bracket at Top.
6. M. S. HDG Bracket at Bottom.
7. M. S. HDG Support Flat.
8. M. S. HDG Middle Clamp.
9. M. S. HDG L Shape Hold Fast.
10. M. S. Chrome Plated Tie Bars with End Clamps.
11. M. S. HDG Ceiling Clamp.
12. M. S. HDG Hold Fast. (Wall mounting)
13. M. S. HDG Bracket. (Wall mounting)



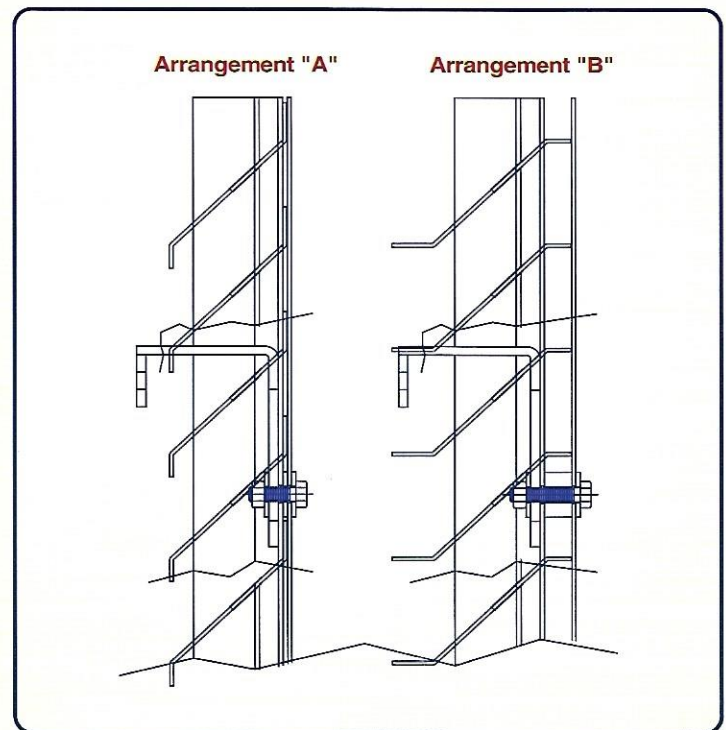
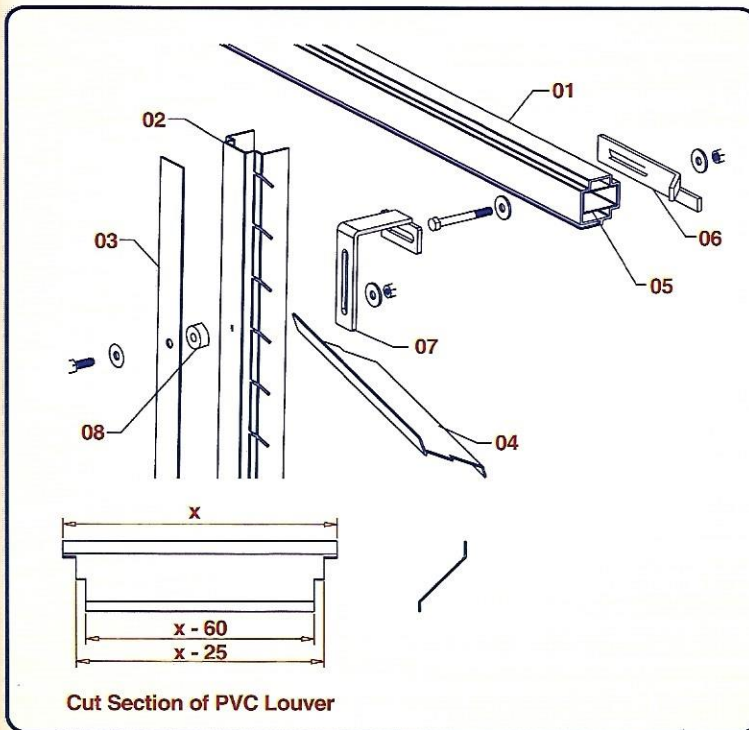
# PVC Frame for Louvers of Humidification/Ventilation System



Front View



Back View



## List of Parts

- |                              |   |
|------------------------------|---|
| 1. PVC Horizontal Stiffener. | 5. M. S. Box (Inserted in PVC Stiffener). |
| 2. PVC Vertical Channel.     | 6. M. S. HDG Hold Fast.                   |
| 3. PVC Stopper Plate.        | 7. M. S. HDG Bracket.                     |
| 4. PVC Louver.               | 8. Brass/ Nylon Bush.                     |

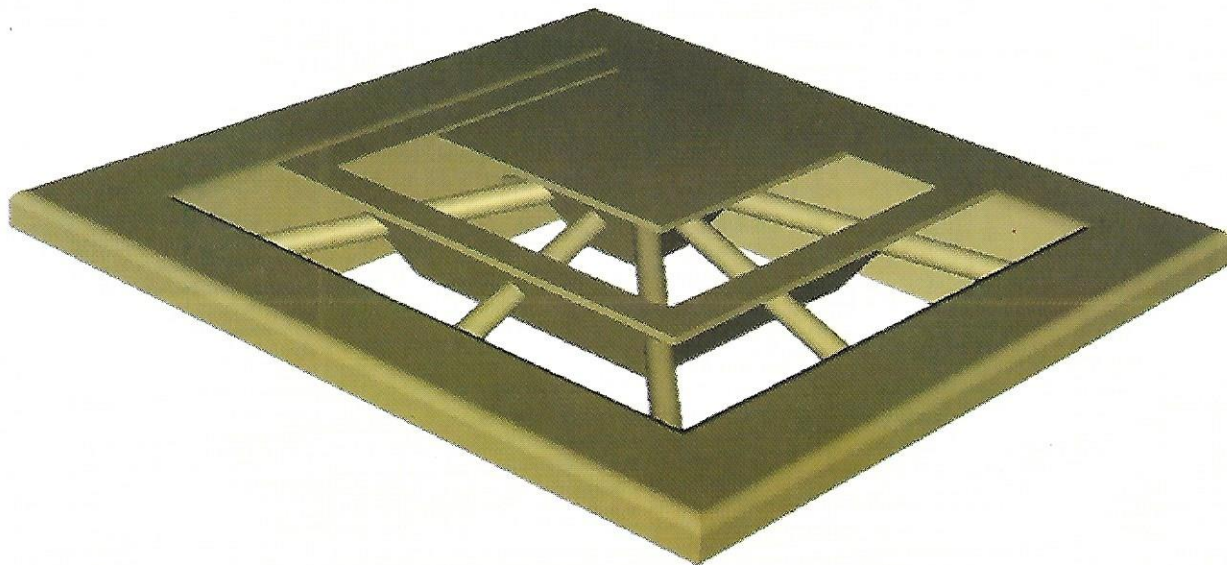
**SM** *S. M. Extrusions Pvt. Ltd.*

(158-A 159)/D, Opp. Water Tank, Shivshakti Estate, Near V-Trans, Narol, Ahmedabad - 382 405. Gujarat (India)  
 Phone : (O) 091-79 - 2573 4469 / 2573 5449, (R) 2741 1745 Fax : 091 - 79 - 2573 3723, (M) 93270 47900 E-mail : smplastics@icenet.net



# S. M. PLASTIC INDUSTRIES

PVC DIFFUSERS FOR HUMIDIFICATION / VENTILATION / AIR COOLING PLANTS



We manufacture square / rectangular PVC diffusers for Humidification / Ventilation / Air Cooling Systems. Thousands of pieces are already in operation all over India.

The sections are made from best quality PVC by extrusion and fabricated into square / rectangular diffusers, which are available without volume control dampers at present.

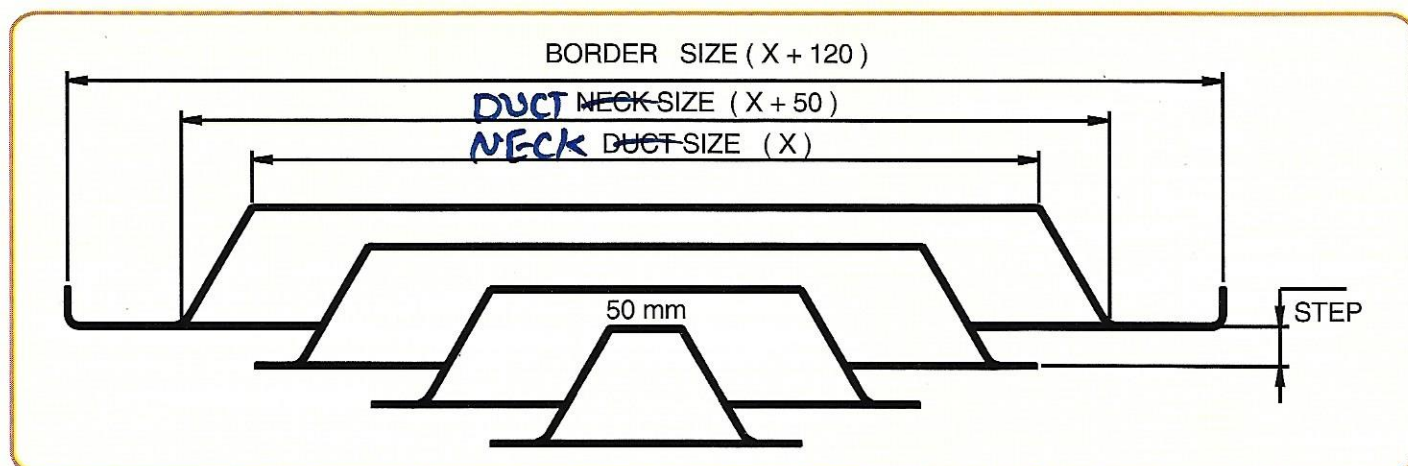
The material is unaffected by atmosphere and, hence, problems caused by corrosion are avoided even when the diffusers are installed in humid environment.

The material does not require any additional surface coating, saving the cost of painting or powder coating required in metal diffusers.

Low weight of diffusers reduces load on false ceiling.

These PVC diffusers are available in any size in square or rectangle configuration with flush or step down design to suit designer's requirements.

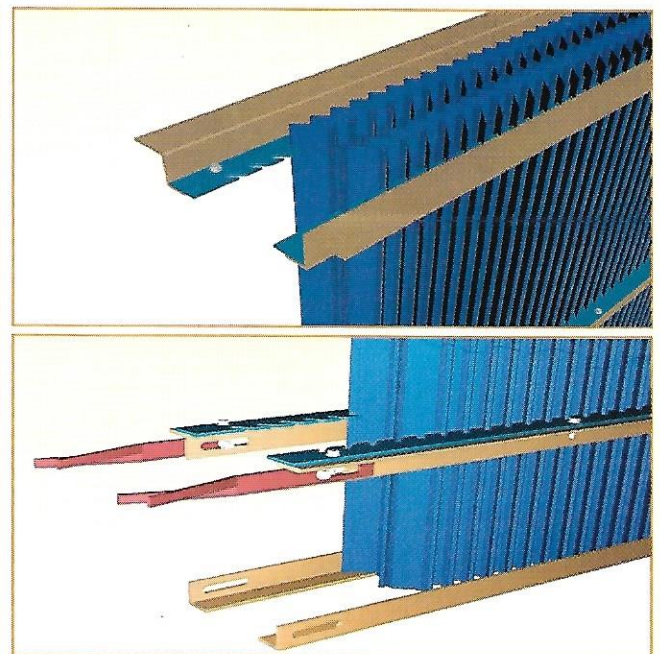
The relationship between different sizes of a diffuser parts is given below. While sending an enquiry or an order, please use this configuration to specify the dimensions required.





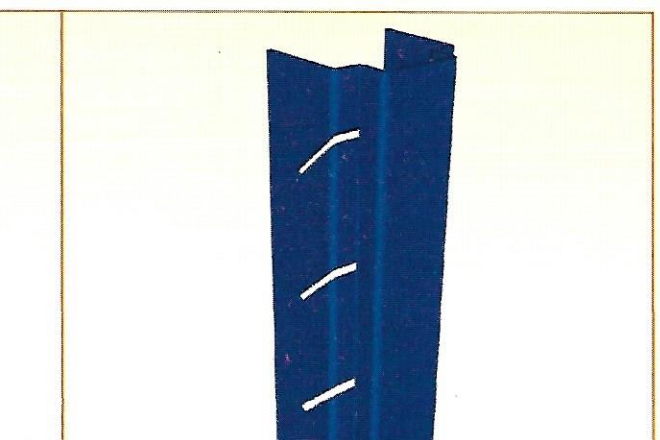
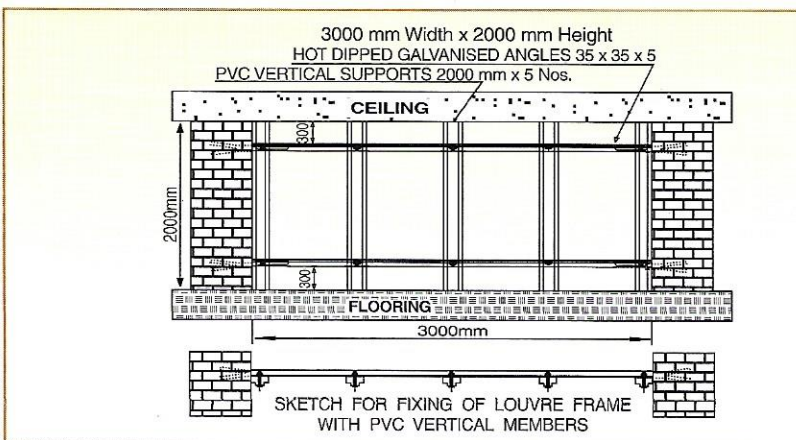
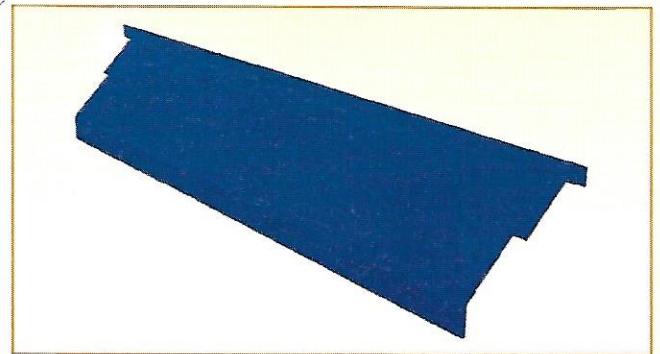
Frames for fixing Eliminators - Wall mounted / Box type : We manufacture frames for fixing eliminators in two types of construction :

- 1) In wall mounted design, angles having spacer bar with notching, are grouted to side walls and eliminators are inserted, the notching in the spacer bar holding eliminators in place.
- 2) In box type design, two rectangles made from angles with notched spacer bar, are supported by vertical angles. This forms a box into which eliminators are inserted, the notching in the spacer bar holding eliminators in place.



Frames for fixing air distribution louvres - with PVC / G. I. Vertical members : We manufacture frames for louvres in two types of constructions :

- 1) In PVC construction, vertical channels made of PVC and having notches to hold louvres are used. Horizontal M. S. angles grouted to side walls, are bolted to vertical channels to hold them in place.
- 2) Vertical members can be made in M. S. also, in which case, they have to be hot dipped galvanized. Top and bottom angles hold side angles and middle supports in place, side angles and middle supports having clips welded to them for holding louvres in place.



## S. M. PLASTICS INDUSTRIES

161, Shivshakti Estate, Near Vijay Transport, Narol, Ahmedabad 382 405,  
Phone : (079) 5734469 / 5735449 Fax : (079) 5733723 E-mail : [smplastics@icenet.net](mailto:smplastics@icenet.net)