




Acoustic Engineers & Contractors • HVAC & Acoustic Material Manufacturers & Traders

## METHOD STATEMENT FOR Acoustic Louvers

Revisions Details:

Rev.	Date of Issue	Prepared	Reviewed		Approved	Description
			Engineering Manager	QA/QC Manager	Project Director	
0	1/23/2012	SMA				

Originator:  	Date of issue:				Page No. 1 of 4		
	Identification				Document Number		
	Contract No.	Location	Discipline	Issuer	Doc. Type	Number	Rev.
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## 1. **SCOPE:**

This Method Statement provides the control sequence of construction and methodology that will be used for the installation of acoustic louvers as an acoustic treatment for the radiator fans noise treatment by M/s OPTIMA INTERNATIONAL.

## 2. **REFERENCES:**

- Submitted technical submittal for acoustic treatment (Acoustic Louvers, Enclosures etc).
- Approved drawings will be issued for acoustic treatment construction.

## 3. **GENERAL:**

Acoustic treatment is to be in accordance with the drawings, project specifications and the product manufacturer's recommendations.

## 4. **RESOURCES:**

### 4.1. **Material List:**











Acoustic Louvers are to be manufactured and assembled partially in our factory, acoustic treatment elements are to be delivered and erected at site.





Acoustic enclosure parts are to be manufactured and assembled partially in our factory, acoustic treatment elements are to be delivered and erected at site.



## **5 INSTALLATION PROCEDURE:**

-  Raw materials comprise of black glass tissue (BGT) faced insulation, galvanized forming quality metal sheets, perforated GI metal sheets, blind rivets. All these are delivered to in-house workshop off-site.
-  Based on site fit-out measurements and approved coordination drawings, metal components of blades are prefabricated to size, powder coated to the specified corrosion coating.
-  Louver blades assembly is undertaken in our factory, using stainless steel rivets. Infill and powder coated metal components.
-  Structural mullions (intermediate spacers) are also prefabricated to size, powder coated.
-  Louvers blades are then delivered to site, shrink-wrapped with polythene clingfilm and additional packing material as deemed necessary. Identification labels are affixed over packing. Handling and erection is undertaken manually by use of scaffolding platform if required.
-  Mullions are first located firmly with masonry anchor bolts (stainless steel). Individual blades are then positioned in between mullions. Stainless steel rivets are used for fixing thru' site-drilled holes in metal forms. This step involves site drilling into steel forms, riveting together of metal components, manual handling of subassemblies, fastening into position with regular hand-tools.
-  Shrink wrapping is removed only after final assembly is secured fully.
-  Place caulk neatly at perimeter, in the 5mm deep recess resulting between face gypsum board and perimeter isolation material, level good.

## **6 SAFETY:**

-  Proper scaffolding shall be used and safety harness to be used and secured, if required.
-  All personal protective equipment shall be used as appropriate according to the nature of the job.