



Louver Selection for Aesthetically Pleasing Building Façades

We have noted that louver design and selection has become a design concern to architectural designers. These professionals and specifiers should consider the performance of louvers combined with aesthetic choices to get the best performance and the best looking product for your project .. Traditionally, louver design and product selection has been predominantly done by mechanical engineers. While that is still a very important part of the louver design criteria, the architectural designer, can play a lead role in louver selection working with close consultation from the mechanical engineer.

Here are some questions that will lead you to louver selection.

1. Is water penetration of a concern or are there plenums with drains behind the louver to prevent water entry
2. Is continuous blade appearance required or do you wish to see exposed mullions approximately every 1.5 m
3. Depending upon wall construction is the depth of the louver of any concern?
4. Will some of the louvers be not active and so be blanked off?
5. Are there special colour and finish considerations to match curtainwall or other aesthetic elements of the building
6. From the mechanical engineer's point of view, here are some of the criteria that they will want to have a role in
 - direction of airflow and any sound attenuation required
 - Free area is very important and how it affects static pressure drop and air flow velocity.
 - In how resistant louvers have to be to resist weather penetration

Based on feedback from your mechanical engineer, your louver schedule would include the following

- ❖ manufacturer's name
- ❖ third-party AMCA Certification to ensure consistency and inherence to established standards
- ❖ louver model number
- ❖ width, height and depth of openings
- ❖ Free area /airflow amount

If you are doing vision screens or roof screen, here are some of the other considerations;

- from which angle is vision block important? 1 from the ground looking up,2 from above looking down or both?
- Do the louver blades and the roof blades have to have the same vertical or horizontal appearance?
- Again, do you want a continuous blade or a vertical visible mullion.

Working with reputable experienced manufacturer's agents allows you to leverage their expertise for the best possible product selection for your project They have a tremendous wealth of knowledge and experience who are will able to answer your questions quickly.

Agents for Ten Plus Architectural Products – Louvers, Sunshades & Vision Screens

