



Retractable Horizontal Louvers - double skin facades

The installation of Horiso® Retractable Horizontal Louvers in double skin facades is a key method of controlling the amount of solar energy that passes into and through the facade. The louvers are installed within the cavity and are ideal for all types of double skin facades including natural or mechanically ventilated facades.

The high quality components and features of the louvers such as the double omega punch stabilizes the louvers during operation extending the longevity of the system.

The louvers' slat positions tilt to minimize internal heat gain and maximize daylight usage, reducing the building's carbon emissions and energy costs. The louvers highly effective solar glare reduction, provides more usable floor space nearer to the facade.

The installation of Retractable Horizontal Louvers into double skin facades help maintain a constant, comfortable internal building temperature and natural light without the excessive use of high volume air conditioning systems and artificial lighting.

Sustainable woods and aluminum slat material are available for this application.

Above and left: No 1 Bligh Street, Sydney - Australia.
Voted "Best Tall Building in 2012" in Australia and Asia by the Council for Tall Buildings and Urban Habitat.



- ▶ Louvers can remain partially or fully closed deflecting solar energy to shield the interior from solar heat gain.
- ▶ Louvers can remain mostly open and can be operated to maximize passive solar heating and manage glare.
- ▶ The louvers remain stable and aligned during operation due to their high quality components and advanced features.
- ▶ Each bank of louvers can operate on individual programs, accounting for their particular position and provide maximum internal comfort levels.
- ▶ Ongoing building energy costs are significantly reduced with the integration of Retractable Horizontal Louvers and solar control systems.
- ▶ Reduced heat gain near the facade, increases usable floor space, allowing employees to work closer to the facade.
- ▶ Full automation and sun-tracking capabilities via a large range of controllers.
- ▶ Integration with controls - see page 29.

Above and right: insurance company headquarters.

