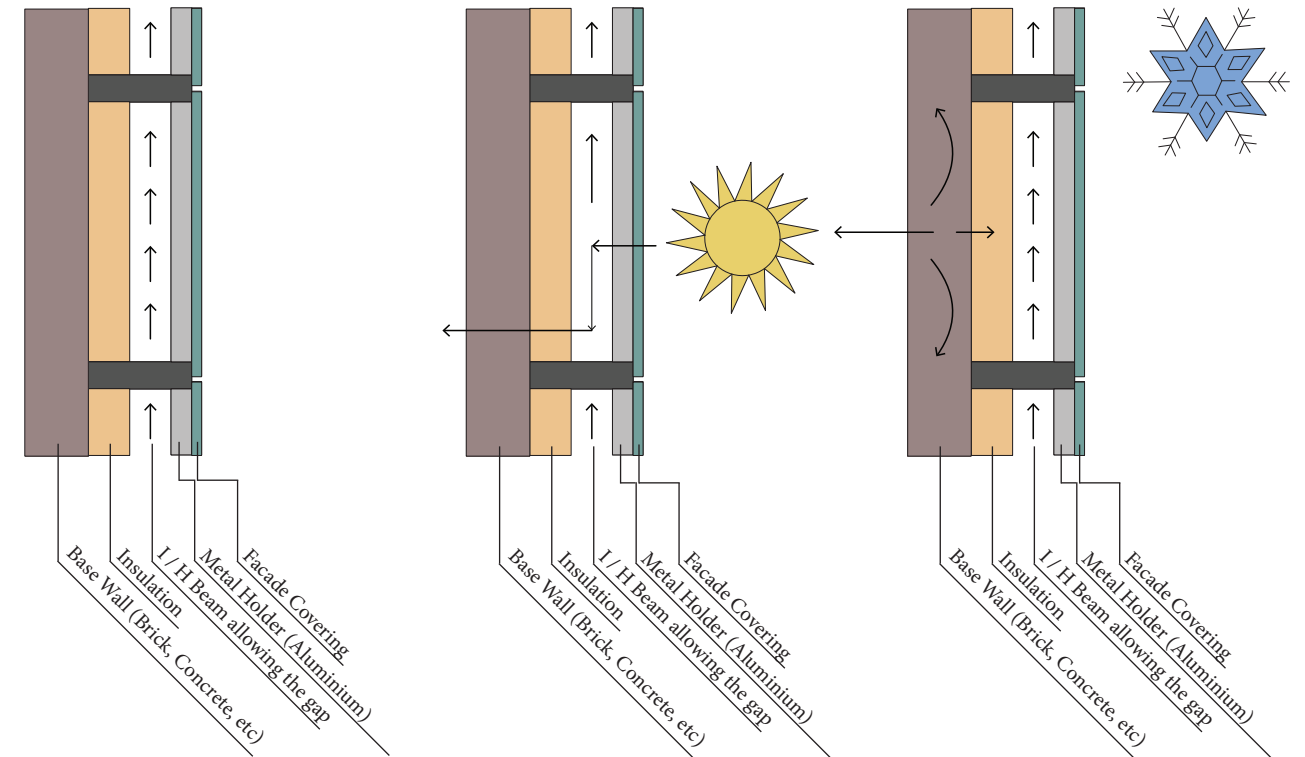


## Ventilated Ceramic Facade



Diagram for Ventilated Facade



Ventilated type facade and wall coverings were developed to protect buildings against the combined action of different types of weather. This is done by counterbalancing the effects of water beating on walls and keeping the building dry, with high level aesthetic characteristics. Moreover the facade has undisputed advantages of heat insulation and soundproofing.

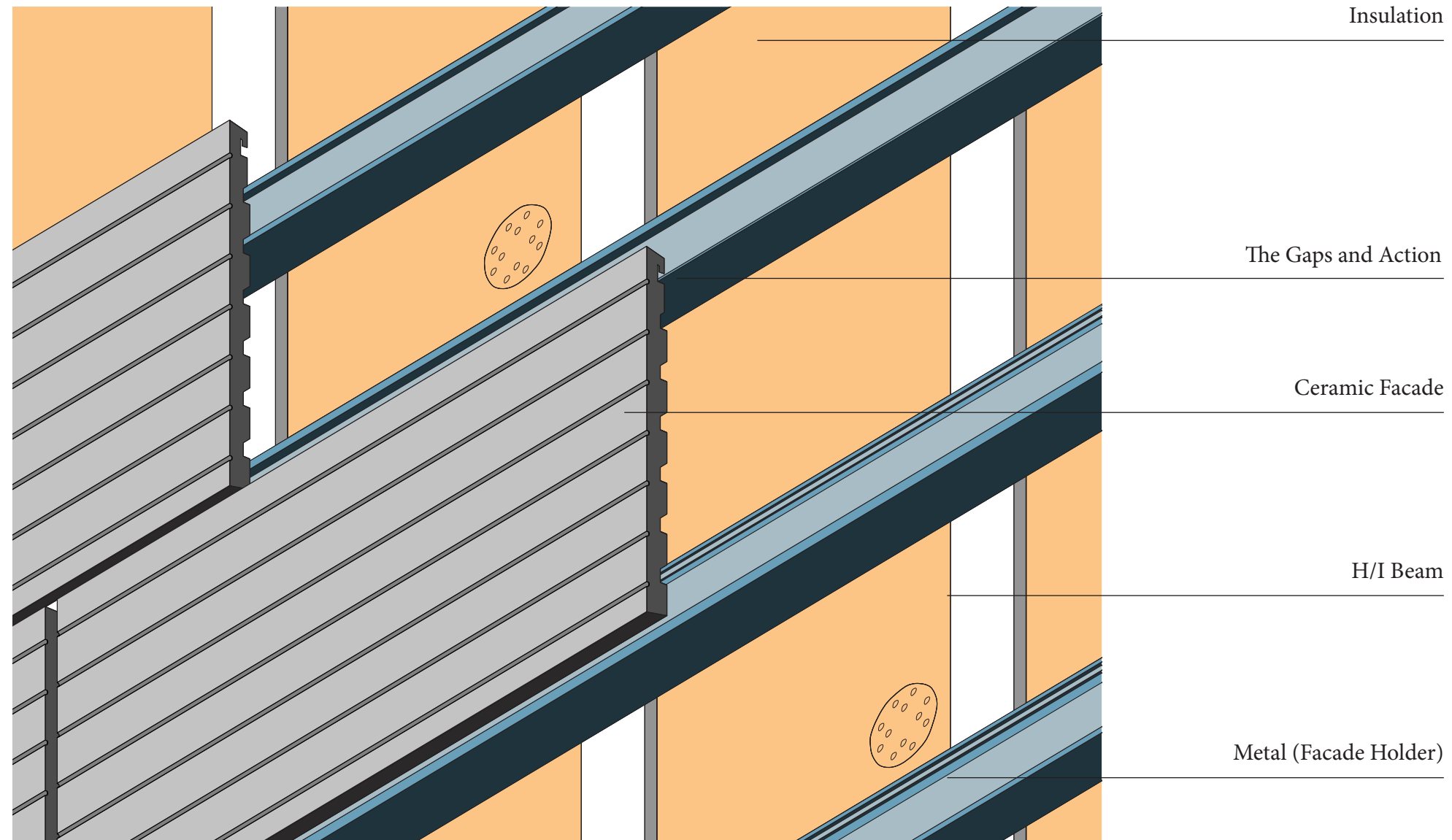
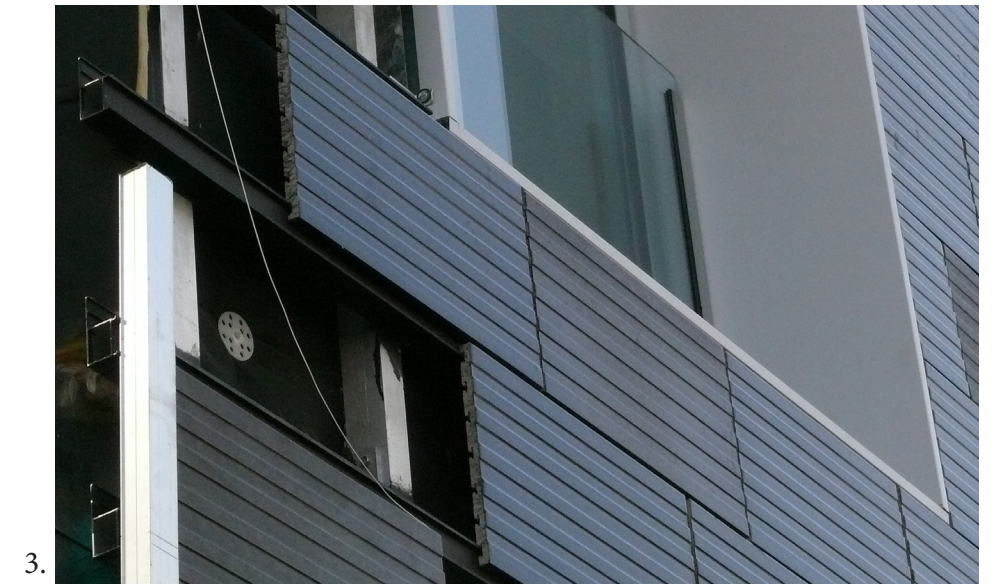
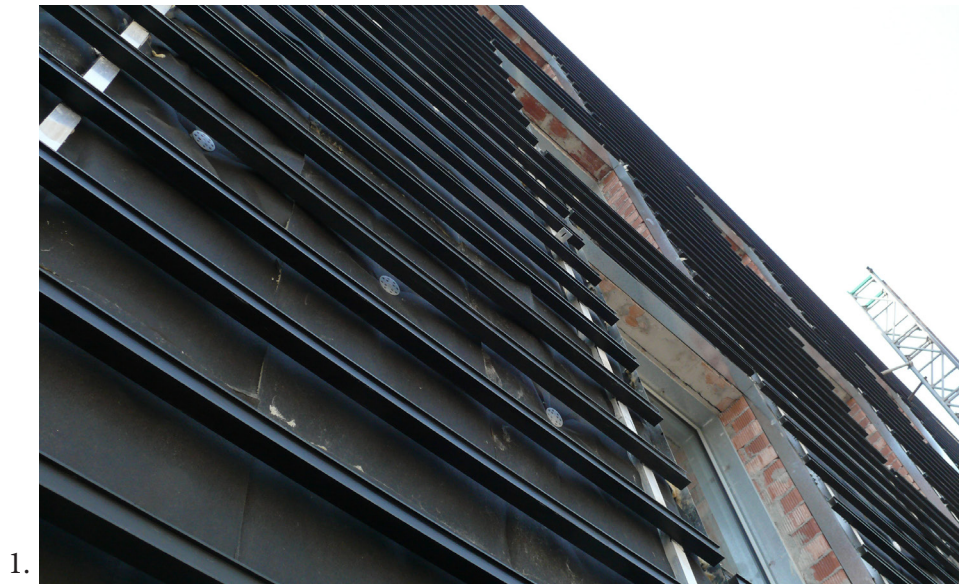
In terms of thermal energy, ventilated walls are able to reduce the amount of heat that buildings absorb in hot weather conditions due to partial reflection of solar radiation. This can happen by the covering and the ventilated air gap and to the application of insulating material, thus achieving considerable reduction in the costs of air conditioning. Vice versa, in winter, ventilated walls manage to retain heat. Finally, this building system, thanks to its “chimney effect”, sets up efficient natural ventilation, hence the name ventilated facade. The ventilated facade notably aids heat and moisture removal and guarantees a very high level of living comfort.

In addition, ventilated walls have beneficial qualities for the acoustics as well. The facade tends to increase the reflection of external noise as the particular construction, consisting of layers of facing, air gap and insulating material, ensures a certain level of acoustic absorption.

In conclusion, ventilated facades are a complex, multi-layer structural solution that enables “dry” installation of the covering elements.



### Construction of Ventilated Ceramic Facade



## Understanding Ventilated Ceramic Facade

