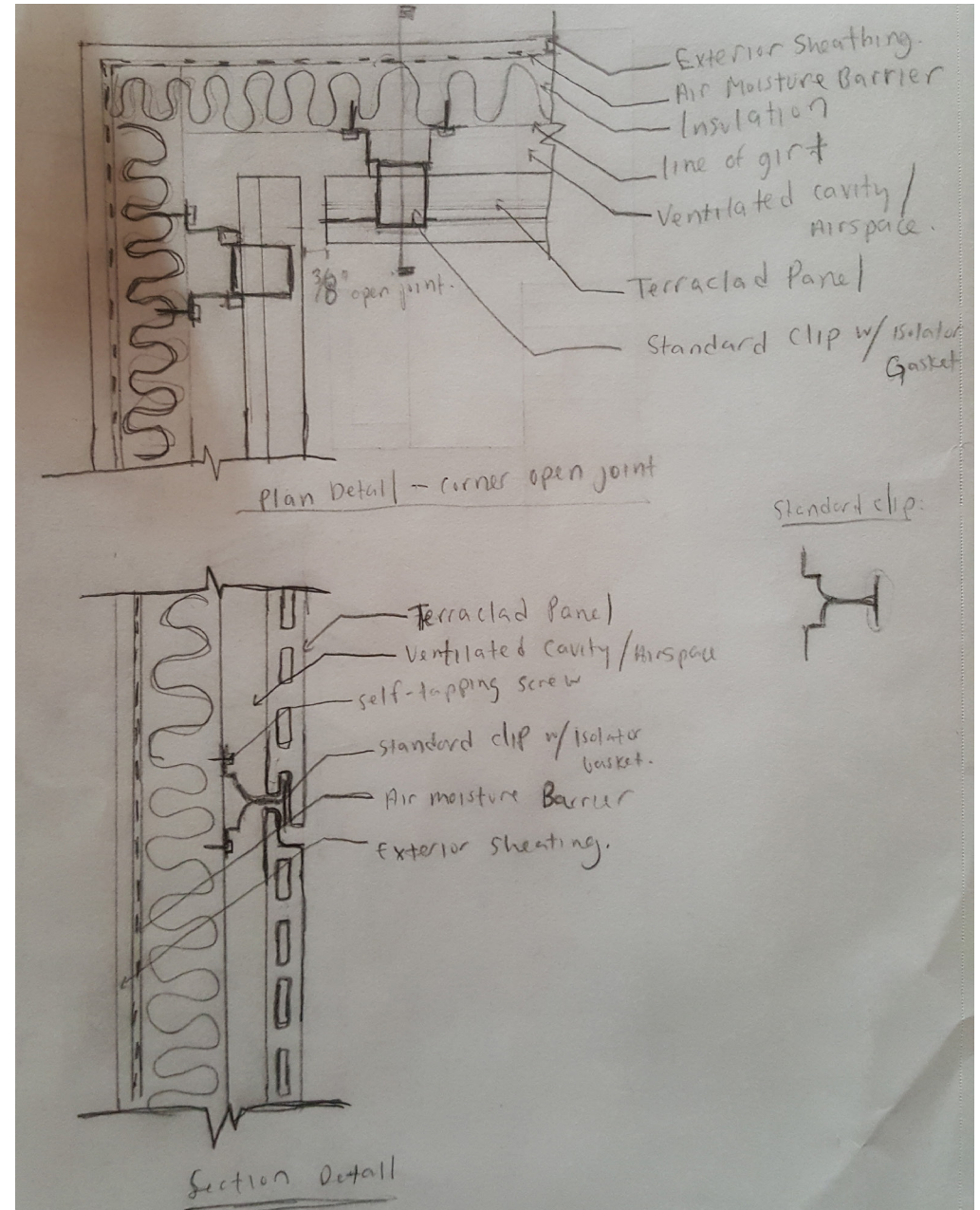
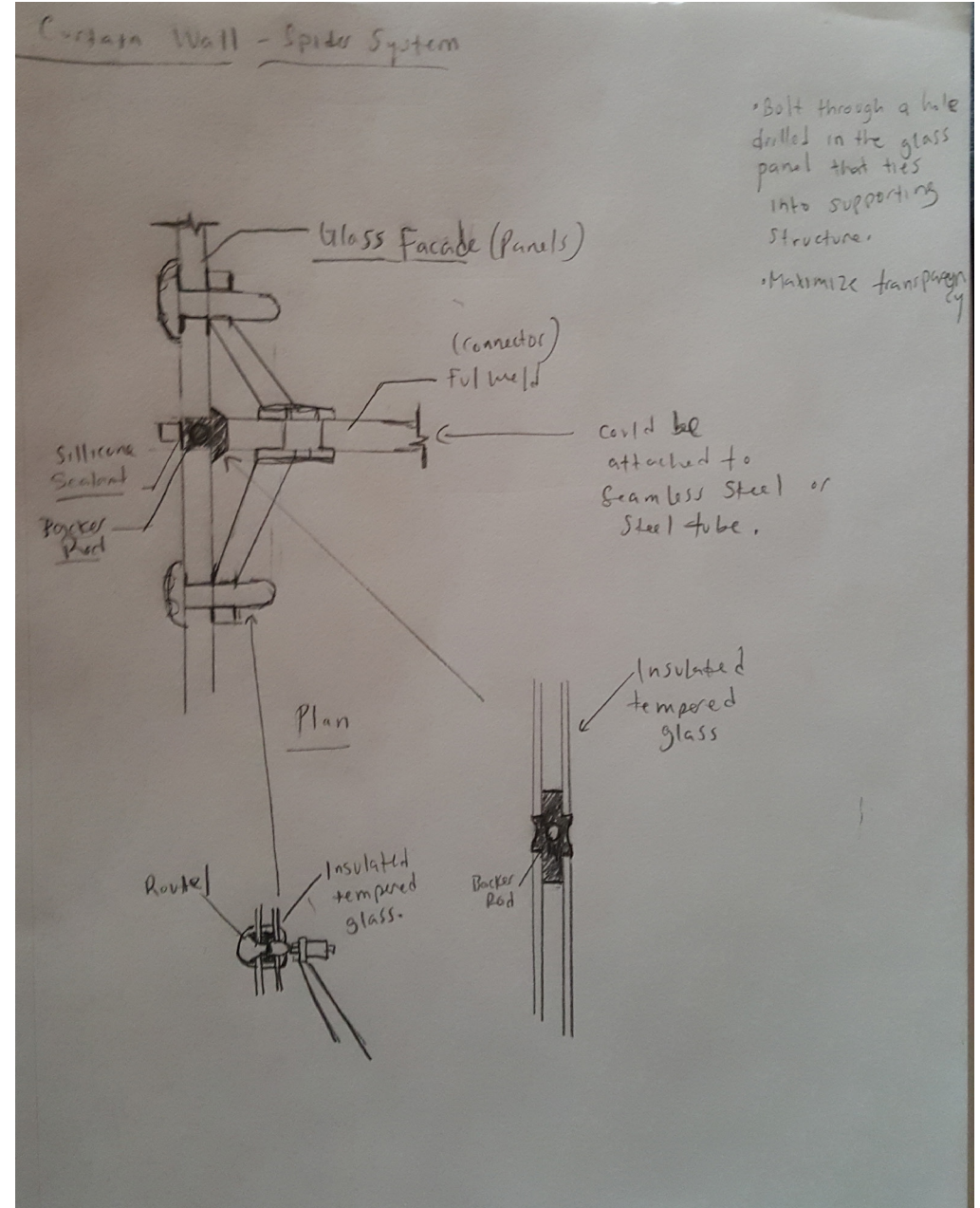


TERRA COTTA RAINSCREEN



STRUCTURAL GLAZING - SPIDER CLAMPS



BENEFITS

Advantages of Rainscreen Systems

[Overview](#) [PRODUCTS](#) [Theory](#) [Advantages](#) [Wall Comparison](#)

The Shildan/Moeding Terracotta Rainscreen Façade system merges the advantages of two worlds of construction technology, making it a building technique of the future. The warm, natural look of terracotta is combined with a more modern, highly-articulated rainscreen curtainwall system to produce a truly advanced "masonry" exterior wall system with these great advantages:



Ventilated Terracotta Rainscreen – The Open Joint...

The Terracotta Rainscreen system allows air to circulate behind the panels to provide pressure equalization, preventing water from being drawn into the building. Additionally, a vapor barrier on the outside face of the back-up wall acts as a final air and water barrier.

No Grout...No Sealants...No Dirt!

The ventilated Terracotta Rainscreen system keeps your building dry and protected from the worst weather conditions without the use of grout or sealants and without any need for maintenance. This includes positive and negative wind loads, as well as seismic, thermal, and normal movement.



ENERGY

Energy Saving

By locating the insulation outside the air/vapor barrier, the condensation is continually evaporating due to air movement. The result is a 50 percent higher insulation value which reduces energy consumption, resulting in healthy wall construction as well as substantially improved comfort and productivity for the occupants. Since this virtually eliminates air filtration and exfiltration, the HVAC system can be substantially reduced, perhaps by one-third.

No Maintenance

The terracotta panels do not have calcium leakage or efflorescence effect and can be simply cleaned with water, requiring little or no maintenance (unlike repointing of brick facades).

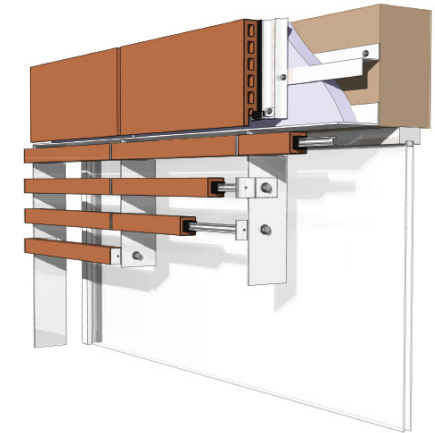


Eliminate Mold & Mildew

The natural ventilation prevents any mold or mildew from growing inside the wall. Since condensation is not trapped in the wall, we can provide a 100-year facade, even with steel stud construction.

SUNSHADE

Standard Vertical Fin Attachment



Removable Bracket Attachment Option

SUSTAINABILITY DESIGN

- 100% NATURAL.
- Low cost raw material
- No harmful or endangered raw materials necessary (petroleum based or trees).
- Recyclable.
- Modern tunnel kilns energy efficient.
- Rejected or broken clay can be crushed and reused.
- 95% of production waste is recycled (clay, water, glazes).
- Materials are Class A fire rated and do not burn.
- Low life cycle costs compared to less expensive alternatives.
- Long-term economic and environmental advantages.
- Contributes to better building designs.
- Color-permanent wall material that lasts over 100 years.