DOMINUS INNOVATIONS *APPLICATION BRIEF*

BEP Blue Barrier

Schaub & Srote Architects New Headquarters Facility

St. Louis, Missouri

When the St. Louis based architectural firm of Schaub & Srote were specifying an air and moisture protection system for their new headquarters facility, it was critical that the selected system provide maximum protection against moisture intrusion not only around all window and door openings but also for the entire OSB wall substrate surface area. As an architectural firm specializing in the design of high end exclusive residential estate homes as well as planned communities and light commercial projects the company's principals focused their selection on products that not only protected the building envelope from unwanted water intrusion, but they also wanted a system that would improve building energy efficiency with superior air barrier characteristics.

The new offices, constructed to serve the dual purpose of work place and architectural studio required that all building materials specified on the project meet the most stringent architectural specifications. Designing with today's health and energy conscious consumers in mind, Schaub & Srote chose a liquid applied technology to protect the building envelope against unwanted water intrusion and mold formation as well as improve the structure's overall energy efficiency by enclosing the complete building envelope in a seamless protection membrane. Schaub & Srote selected BEP Blue Barrier.

The building's air and moisture barrier system was applied in early December, with temperatures in the low 30's, utilizing BEP Blue Barrier Liquid Flashing 2100 and BEP Blue Barrier Joint Filler 2200 for all window and door installations and BEP Blue Barrier Liquid Wrap 2300 for all external OSB wall substrate surfaces. The entire liquid applied application which forms a seamless fully adhered permeable protective membrane over all wall surface areas was totally completed with Blue Barrier products. Requiring no cutting and overlapping of material sheet goods, nails, scrim or tape the complete installation including all window and door weatherization protection took less than two days.

After the Blue Barrier system was installed, the building was clad in a combination of brick and various James Hardie siding products. The final facade provides potential Schaub & Srote clients with an effective visual selection of local external building materials and their application. The superior elongation features of the BEP Blue Barrier Liquid Wrap 2300 makes it ideally suited for applications where final wall coverings are nailed to cladding substrates. This elongation ensures that the installed Blue Barrier Liquid Wrap membrane forms a tight "rubber like "seal around nails and screws that penetrate the membrane.

Specifiers / Contractors

Architects: **Schaub & Srote - St. Louis , MO**

General Contractor: **Terbrock Construction - St. Charles, MO**

Blue Barrier Products Used

- **Liquid Flashing 2100**
- **Joint Filler 2200**
- **Liquid Wrap 2300**

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