Lyman Beecher Brooks Library at Norfolk State University

Installer: Michah King, Frank Hughes II, Chris Sasdelli, Jarondo Manick, T.W. Baker, Allen Drayton
Location: Norfolk, VA
Type of Job: Cavity Wall Insulation
Square Footage of Job: 70,000
Equipment Used: 2 @ GRACO E-30 Reactor Series with 310’ of hose & GAP Pro guns
Number of people needed for the Job: 8
Number of days required by the Job: 105
Special Requirements: Standard PPE (hard hats, safety glasses, steel toe work boots, protective tyvek coveralls, gloves, etc.). Use of 80’ boom lifts and masons hydro scaffold. This included new OSHA regulation requiring use of harnesses with fall limiters in boom lifts). Overspray. Quality control included the use of the following; Infrared Thermometers (surface temperature), Thermohydrometers (air temperature and relative humidity), MDP strips (surface moisture), Density and Thickness testing & monitoring, Proper logging & adjustment of pressure and temperature when applying SPF. In addition the completion of the project was on an aggressive schedule.
Foam and coatings used: NCFI Polyurethanes InsulBloc (system 11-017)

Project Description: A New Library Building at a Norfolk, VA area University using SPF to help achieve LEED standards. The old library building had become a “sick” building due partially to air infiltration and insufficient ventilation. Not allowing this to happen to the new facility was a major concern. This was one of the factors in deciding to use closed-cell SPF to seal and insulate the walls of the building envelope. Also the building has a gradual radius turn (curved walls) that spray foam is perfect of insulating and sealing. The building itself is high profile as it is located just off a major highway in Hampton Roads, VA. Locals as well as many others traveling to Virginia Beach on holiday can easily see the attractive design as they pass by the new Library.

Benefits of using Foam: Advantages of Closed-Cell Foam - We all know them all! Air Barrier Material keeps out Water, Dust, Pollen, and other airborne objects. 100 per cent adhesion (no air space between it and surface); Spray applied-No seams or cracks (monolithic); Conforms to irregular surfaces (curved walls); High production rates (sq. ft. / day).