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Commercial Window Shield  
9292 Pence Highway  
Blissfield, MI 49228

To whom it may Concern,

Castle Construction is a Diversified General Contractor who performs a considerable amount of work at the O'Hare International Airport. We were recently awarded a contract to furnish and install blast mitigation film to the United Airlines Terminal (Terminal 1) late last year. We received prices from several companies and ultimately selected Commercial Window Shield to perform the work.

The project involved producing a special aluminum extrusion to fit over the existing curtainwall window system so that the blast film could be attached to the window frames. This work was to be done on both the arrival and departure levels of the terminal. Attaching the film was important because the glass panes are extremely large; many over 13' (156") tall with floor to ceiling glass heights running as high as 24'. As required by the contract, Commercial Window Shield had a die made and produced the shape in accordance with the contract drawings. They scheduled a prototype installation only to find that the field conditions and the assumptions made by the designing architect and engineers were flawed. The system as designed would not work.

Commercial Window Shield worked diligently to come up with alternatives. They broke the installation into segments and determined that some work could be done immediately while other areas required more engineering. They helped with important calculations to determine blast loads and performance criteria all the while continuing to make installation progress. Everything was ultimately worked out to the satisfaction of the Architect, Blast Consultant, Engineer, United Airlines and the City of Chicago.

The installation of the product proved to be challenging as well. Four (4) scissor lifts and a 45' articulating boom lift were used to access the glass. This work had to be done in the evenings and at night and during the winter. There were numerous times when the airport was filled with passengers stranded due to inclement weather. It seemed that every time Commercial Window Shield was building momentum, either the weather or the need for a design change hindered their progress.

The mark of a good company is its ability to perform under adverse conditions. There were plenty of adverse conditions and Commercial Window Shield handled them and produced a very good end result. Not only was the work completed and done well but it was completed nearly 6 months ahead of schedule. The City of Chicago wrote a letter to the Construction Management firm for United Airlines and congratulated them and us and Commercial Window Shield on the fine job.

I am extremely happy that we worked with Commercial Window Shield. I'm not sure what kind of problems we would have been up against if we had used a different company.

Sincerely,  
CASTLE CONSTRUCTION CORPORATION



Philip C. Blum  
Division Manager