



E Solutions had the opportunity to provide the Lebanon Special School District with a unique solution to their renovation needs. Existing classrooms, like the one shown, had packaged DX unit ventilators. The school system needed to replace the aging equipment and wanted to reduce operating expenses associated with the rising cost of R-22 refrigerant. They also wanted to minimize changes to the classroom appearance and exterior walls while maintaining the required amount of fresh air for students and teachers.

E Solutions and Revolutionaire were able to develop a solution that provided Mitsubishi VRF in a unit vent design. The existing pipe chase was used to house refrigerant linesets, and there was room to create a bookshelf and cubby on the end of each unit since the replacement unit had a smaller footprint than the original one.



The project was completed during fall break, eliminating the need to move students and staff during the renovation.