

Wire Mesh Partitions to Secure Stairwell

The process began in 2017 as a project bid to Allenfarm Fence Company located in Hermon, Maine. The project requirement was to design a security partition for a stairwell in Nokomis Middle School in Newport, Maine. The customer supplied the architect's drawings which showed the partition climbing up 22 foot then attaching to the underside of the ceiling along with providing mesh panels between (and under) the stringers in the stairwell. A security door was included to complete the design and was equipped with a lock and egress for emergency exit.

Allenfarm Fence was awarded the project in 2019, which began the next phase of the project. A 3D-CAD drawing of the wire mesh partition layout was supplied to the customer for design approval and field verified dimensions. Some construction projects have areas which are in question and may not match up to either the initial blueprints dimensions or the original design.

Over the next few months we worked with Brent West, CEO of Allenfarm Fence via email, and plenty of phone conversations during the site construction phase where the partitions would eventually be located. Allenfarm Fence along with a local engineering firm in Maine provided performance calculations for the project, which lead to the addition of field supports for the walls and stringers, along with the final changes to the design of the partitions.

After final approval was signed off, the project began fabrication followed by the installation of the partition. Excellent communication between the manufacturer and Allenfarm Fence resulted in a well-designed security partition and made for a smooth installation, rendering the project a complete success!



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