



Specially Designed Wire Mesh Enclosure Elevates Security within a Distribution Center

Features and Benefits

Increased security against pilferage by limiting the size of openings in the partition

Controlled access using electric strikes and magnetic locks in conjunction with card readers on all cage gates

Industry Group: Protective Guarding Manufacturers Association (ProGMA)



The Opportunity

A national chain of department stores recently upgraded the level of security at its New Jersey distribution center surrounding the packaging operation of its fashion jewelry and watches. Given that much of the jewelry is small in size, it can be carried or passed out of the work area relatively undetected. The distribution center added around the clock security, a series of cameras covering the entire work area, and mandatory body scans prior to personnel exiting the area. Yet given the size of the merchandise, ample physical security was still required to enclose the area while still allowing for mobile equipment to gain access to fulfill orders.

The customer turned to a readily available high security specification, the US Drug Enforcement Administration's (DEA) requirements for physical security of Schedule III through V controlled substances, but realized that even the 2-1/2 inch openings allowed in a DEA cage still provided too much space to pass the small jewelry through.

The Solution

The customer and manufacturer designed a full height wire enclosure using 1/2 inch woven wire mesh fully welded into an angle framed panel and stacked between 2"x2" tubular posts. All hardware by design connected on the secure side of the enclosure to prevent tampering. The entrance to the enclosed workspace included a secondary "man trap" cage to hold personnel until permitted by security guards. The system provided strong walls with limited mesh openings to prevent passage of

the merchandise outside of the enclosed area. The mesh enclosure was constructed without standard maintenance sweep space between the floors and mesh paneling. Additionally, angle and broom guards were added to fill small gaps in the natural design of slide gates or introduced by uneven floor surfaces. All hinge gates of the wire mesh enclosure were equipped with hydraulic closers and electric strikes while large slide gates built to allow for forklifts were equipped with magnetic locks, all used in conjunction with the distribution center's card readers.



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