

Tappan Wire & Cable, Inc. founded in 1978, is a leading manufacturer of low & medium voltage cables, which are sold throughout North America, South America and Europe. Products include electronic/RS232 cable, fire alarm, sound & security, tray cable, high temperature cable, chemical resistant cable, coaxial video cable, automotive, industrial, water blocked direct burial cable, home automation & home theater cables.

The Blauvelt, NY headquarters location consisted of manufacturing, storage and distribution areas. Prior to the renovation, the company did not have the space needed to expand their operation and grow their business.

Within a 2 phase construction timetable, Abel Womack was able to complete a complex and highly coordinated installation while the building remained occupied. Manufacturing and distribution activities were able to continue with minimal interruptions.

The existing aisles were between 12 and 13 feet, but were reduced to 72 inches, thereby reclaiming a significant portion of space that Tappan was able to use for new manufacturing machinery, helping them to meet their corporate goal of increased production.

The existing rack system was renovated and expanded. New rows were added and wire mesh decking was installed to allow smaller pallets of cable reels and non palletized reels to be stored on the decking.

Before the renovation, large sit down counterbalanced lift trucks as well as non-guided Orderpickers were used in the warehouse. Abel Womack's new narrow aisle design included Raymond wire guided Swing Reach trucks and Orderpickers, making the operators more productive, and increasing pallet movement as well as picking rates.

A collateral benefit of the layout was that cycle counting timing decreased from several days to a mere half day. The process could be conducted far more rapidly, especially in fast moving stock.



Project Key Features:

- Narrow aisle design allowed a significant portion of space in the warehouse to be used for new production equipment.
- Rack system was renovated and expanded, increasing storage capacity while using less space.
- 1 Raymond wire guided Swing Reach truck and 3 Orderpickers increased operator efficiency, speed of pallet movement and picking rates.
- Counting cycle reduced from several days to one half day.

Building Size: 200,000 SF

Completion Date: 2008



Raymond's Swing Reach truck made the narrow aisle pallet handling possible.

Existing floor and rack storage areas were replaced with more efficient narrow aisle racks and wire guided lift trucks. The design allowed Tappan to regain space for manufacturing purposes.