



## Cost Effective Solution to Increase Pallet Storage

### Features and Benefits

Optimizes existing space with a custom engineered, free standing mezzanine designed to provide large pallet storage and accommodate industrial electric pallet jacks.

**Industry Group:** SMA



As the parts logistics consolidation center for Honda Manufacturing of Alabama, New South Express (NSE), needed a cost effective way to increase pallet storage without adding on to the existing building. Specifically, the custom mezzanine solution optimizes existing space, accommodates electric pallet jacks and heavy pallet loads as well as provides order picking and storage of medium to high volume auto parts.

### Objectives:

- Create storage for 200-250 pallets.
- Design to support heavy pallet loads and industrial electric pallet jacks.
- Accommodate easy pallet delivery.
- Provide storage space under mezzanine.
- Design for future expansion.
- Optimize existing facility footprint.

### The Solution

Design a custom engineered, free standing mezzanine to provide large pallet storage and accommodate industrial electric pallet jacks. The large span design keeps the space open under the mezzanine for picking and allows for future manufacturing expansion.

Size: 14,784 square feet

Framing: Beam and C Section

Decking: Roof Deck (18 ga) and ResinDek® MD (3/4")

Accessories:

- Handrail
- Corral Style Safety Gates (12)
- IBC Stairs (2)
- Landings (2)

Finish: Powder paint

Timeline: 10 weeks

Industry Served: Automotive

### Results

The Steele Solutions mezzanine allowed NSE to utilize unused space to create much needed pallet storage rather than incur costly expenses to add on to their existing building. Under mezzanine storage is optimized with rack and carton flow shelving, totes, bins and additional pallet storage providing simple inventory management.

The twelve corral style safety gates allow for easy pallet delivery to the mezzanine and ensures fall off protection during the pallet loading and unloading process. Heavy duty decking supports 200 PSF and provides ample support for heavy pallet loads and industrial electric pallet jack usage.

NSE selected Steele Solutions based on its ability to understand their detailed storage needs and load requirements to design a solution that seamlessly integrated with their existing building structure.



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