

PRODUCT SPEC SHEET

Very-Narrow-Aisle (VNA) Racking

5-6 ft aisles. Up to 45 ft height. Wire-guided or rail-guided forklifts. Max-cube system for warehouses where square-foot rent is the binding constraint.

Technical Specifications

Specification	Standard VNA	Heavy VNA	Max-Bay VNA
Aisle width	5'-6'	5'-6'	5'-6'
Max height	30'	40'	45'
Guidance	Rail-guided	Rail or wire	Wire-guided
Post profile	3" structural	3" structural	3.5" structural
Post gauge	12ga	11ga	10ga
Beam pair capacity	3,800 lb	4,500 lb	5,500 lb
Slab spec	6", 3500 PSI	6", 4000 PSI	8", 4000 PSI
Anchor size	5/8"	5/8"	3/4"
Lead time	3-4 weeks	4-5 weeks	5-7 weeks

Where this system wins

Max-cube warehouses. Square-foot rent is the binding constraint. Converts 30% wider aisles into 30% more vertical storage.

Mixed-SKU + height-extreme. 100% selectivity AND height utilization. Preserves selective access while doubling stack height.

Automation-ready. Strict aisle tolerances are the same tolerances autonomous mobile robots (AMRs) need. Easier AMR upgrade path.

Compliance & Lead Time

Lead time: 3-4 weeks (Standard) · 4-5 weeks (Heavy) · 5-7 weeks (Max-Bay)

Standards: CSA A344-17 aligned · ANSI MH16.1 (RMI) certified · Bill 41 documented · WSIB Insured · MLITSD-Ready inspection format

Engineering: P.Eng stamps available under separate engagement for projects requiring municipal permits or seismic-rated buildings.

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