Dexco® Salvage Yard Racks get vehicles up off the ground and onto high-strength arms that are bolted securely to single- or double-sided columns. A horizontal base helps stabilize the structure and supports the bottom load. Cars can be stored up to four levels high, on one or both sides of the column. This means your customer can quadruple their storage capacity without having to buy more property. As a result, our racks offer:

- Competitive Advantage: By increasing storage capacity, your customers can carry more inventory, which provides more sales opportunities.
- Efficient, Organized Storage: Vehicles of all makes, models and sizes can be easily stored and located.
- Easy Access: Wide open rows allow easy loading and unloading by forklifts.
- Lower Operating Costs: Parts are located and retrieved faster, so sales can be closed sooner.
- Reduced Inventory Damage and Theft: Because cars are stored at higher levels, there is less chance for parts to be damaged by handling equipment or stolen by thieves.
- Increased Worker Safety: Workers retrieve parts easily and safely, so there is less risk of injury.

Tell us the size and weight of materials and how much space is available. Ross engineers will design a system to meet your unique requirements.

SECTION 105629.03

STRUCTURAL SALVAGE YARD STORAGE RACKS

PART 1 - GENERAL

1.1 SUMMARY

A. Work Included: Provide labor, materials and equipment necessary to complete the work of this Section, including but not limited to the following:

1. Storage rack systems for structural salvage yards.

1.2 SUBMITTALS

A. Product Data: Submit manufacturer’s product data.

B. Shop Drawings: Submit shop drawings including the following:

1. Standard and custom rack designs.
2. Proposed layout, details of construction, anchorage and relationship to other parts of the work.

C. Warranty: Submit executed copy of manufacturer’s standard limited warranty.

1.3 QUALITY ASSURANCE

A. Installer: Minimum 2 year documented history of installing similar rack systems acceptable to the manufacturer. Installer shall accept responsibility for all field verifications.

B. Manufacturing Facility: Certified to ISO 9001: 2015.

C. Applicable Standards, Testing and Certifications:

1. ANSI/AISC 360, Specification for Structural Steel Buildings.
2. AWS D1.1/D1.1M, Structural Welding Code – Steel.
3. ASTM A572, Standard Specification for High-Strength Low-Alloy Columbium-Vanadium Structural Steel.
4. ASTM A36, Standard Specification for Carbon Structural Steel.
5. ASTM A325, Standard Specification for Structural Bolts, Steel.
6. ASTM A992, Standard Specification for Structural Steel Shapes.

1.4 DELIVERY, STORAGE AND HANDLING

A. Store materials in a location protected from the weather, humidity, temperature variation, dirt and dust, or other contaminants.

1.5 WARRANTY

A. Warranty: Provide manufacturer's standard limited one-year warranty.

PART 2 - PRODUCTS

2.1 MANUFACTURER

A. Basis-of-Design Manufacturer: Ross, 104 North Maple Avenue, Leola, PA 17540. Toll-free 800-345-8170. www.rosstechnology.com. No substitutions.

2.2 SALVAGE YARD RACK SYSTEMS

A. Dexco® Salvage Yard Rack Systems: As manufactured by Ross complying with the following:

1. Standard Features:

a. Rack system engineered to AISC standards, typically exceeding Rack Manufacturer's Institute (RMI).
b. Arms and columns hot rolled structural steel manufactured from 50 KSI material.
c. Structural I-beam construction.
d. Adjustable bolted shelf beam construction accommodates changing storage needs.
e. Arms and bases attach to columns using 3/4 inch diameter A325 structural bolts or GR 5 plated structural hardware.
f. Arms adjust in 4-inch increments.
g. Arms slope at a 2-degree standard or 4-degree heavy up-tilt.
h. Structural bolt-together brace systems.
i. Modular design for ease of adding more storage.
j. Capacities, 2-, 3- and 4-level designs, capable of storing 6,000 lbs. per level (3,000 lbs. per rack arm).

2. Optional Features:

a. Custom design for higher capacities than standard systems.
b. Arm adjustment in 3-inch increments.
c. Welded construction.
d. Single- and double-sided systems.

3. Finish (Standard): Factory-applied powder-coated finish, color selected from manufacturer's standard colors.

4. Finish (Optional): Hot-dip galvanized coating, ASTM A123.

PART 3 - EXECUTION

3.1 EXAMINATION

A. Examine substrates and site conditions for compliance with requirements for installation tolerances and other conditions affecting performance. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 INSTALLATION

A. Install products in strict accordance with manufacturer's instructions and approved submittals. Locate rack systems level, plumb, and in proper alignment with adjacent work. Provide installation method suitable for substrate and project conditions.

B. Protect adjacent areas against damage; repair or patch damaged areas. Restore damaged finishes so no evidence remains of corrective work.

3.3 FIELD QUALITY CONTROL

A. Inspect installed racks for proper installation as recommended by manufacturer.

B. Establish a semi-annual maintenance program to inspect structural components and welds for damage caused by overloading or forklift equipment, to tighten or replace missing bolts and anchors, and to confirm racks are plumb.

3.4 ADJUSTING AND CLEANING

A. Clean exposed surfaces using methods acceptable to the manufacturer which will not damage finish.

END OF SECTION

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