



Manufactured by SpaceGuard Products

SECTION 10 51 43

WIRE MESH LOCKERS

**** NOTE TO SPECIFIER ** SpaceGuard Products; BeastWire Mesh Guarding; storage lockers**

This section is based on BeastWire Mesh Guarding products manufactured by SpaceGuard Products, which is located at:

711 S. Commerce Dr.

Seymour, IN 47274

Tel: (812) 523-3044

Fax: (812) 523-3362

Email: sales@spaceguardproducts.com

Web: www.BeastWireMesh.com

BeastWire Mesh was introduced to the market in 2016, as a prefabricated safety barrier and secure guarding solution that uses interchangeable components to construct wire mesh partitions, security cages, storage lockers, pallet rack safety containment systems, rack and shelving security enclosures, mezzanine guardrail, and many other applications. The use of universal components provides cost-effective and readily available materials that are easier to stage and install than other designs on the market. BeastWire Mesh makes this all possible while still offering the highest quality, most secure/safe system on the market backed by our unrivaled 10-year manufacturer's warranty.

SpaceGuard Products is a leading manufacturer of wire partitions and area guarding products including BeastWire Mesh Guarding and FordLogan woven wire partitions. SpaceGuard Products was formed in 1990 through the consolidation of Logan Wire Company and Ford Wire Company. SpaceGuard Products combines over 100 years collective experience in advanced manufacturing with unrivaled customer service and field support.

Our wire mesh lockers are available in both standard and custom sizes, in welded, woven and expanded steel mesh, and are perfect for a wide array of uses including residential and office tenant storage, military readiness, and warehouse or retail security. All our products are finished with a factory-applied powder coat.

PART 1 GENERAL

1.1 SECTION INCLUDES

**** NOTE TO SPECIFIER ** Delete items below not required for project.**

- A. Wire mesh storage lockers
- B. Bulk storage lockers
- C. TA-50 gear lockers

1.2 RELATED SECTIONS

**** NOTE TO SPECIFIER ** Delete any sections below not relevant to this project; add others as required.**

- A. Section 03 30 00 - Cast-In-Place Concrete: Restriction on location and penetration depth of fasteners.

1.3 SUBMITTALS

- A. Submit under provisions of Section 01 30 00 – Administrative Requirements.
- B. Product Data: Manufacturer's data sheets on each product to be used, including:
 - 1. Detailed specification of construction and fabrication.
 - 2. Manufacturer's installation instructions.
 - 3. Preparation instructions and recommendations.
 - 4. Storage and handling requirements and recommendations.
- C. Shop Drawings: Indicate dimensions, description of materials and finishes, general construction, specific modifications, component connections, anchorage methods, hardware, and installation procedures, plus the following specific requirements.
 - 1. Provide location template drawings for items supported or anchored to permanent construction.

**** NOTE TO SPECIFIER ** Delete selection samples if colors have already been selected.**

- D. Selection Samples: For each finish product specified, two complete sets of color chips representing manufacturer's full range of available colors and patterns.
- E. Keys: Submit keys or combinations for padlocks to Owner at Substantial Completion of the project.

1.4 QUALITY ASSURANCE

- A. Manufacturer Qualifications: Minimum 10-years' experience manufacturing products similar to those specified and who offer a minimum 10-year limited manufacturer's warranty on standard components.
- B. Installer Qualifications: Minimum 2-years' experience installing products similar to those specified or having completed manufacturer's certified product training.
- C. Design Requirements:
 - 1. Design partition system to provide for movement of components without damage, undue stress on fasteners or other detrimental effects, when subject to design loads.
 - 2. Design system to accommodate construction tolerances, deflection of building structural members, and clearances of intended openings.

1.5 DELIVERY, STORAGE, AND HANDLING

- A. Store products in manufacturer's unopened packaging until ready for installation.
- B. Deliver, store and handle products in a dry, weather protected location. Do not store

outside or allow getting wet.

1.6 SEQUENCING

- A. Ensure that products of this section are supplied to affected trades in time to prevent interruption of construction progress.

PART 2 PRODUCTS

2.1 MANUFACTURERS

- A. Acceptable Manufacturer: SpaceGuard Products, which is located at: 711 S. Commerce Dr.; Seymour, IN 47274; Toll Free Tel: 800-841-0680; Tel: 812-523-3044; Email: sales@spaceguardproducts.com Web: www.BeastWireMesh.com
- B. Substitutions: Not permitted unless request for substitution made in accordance with provisions of Section 01 60 00 – Product Requirements.

2.2 PRODUCT

- A. Storage Locker Style:

**** NOTE TO SPECIFIER ** Delete two of the following three paragraphs**

1. Single tier
2. Double tier
3. Single and double tier, in arrangement shown on drawings

- B. Storage Locker Height:

**** NOTE TO SPECIFIER ** BeastWire Mesh is the first brand to offer 3 different stocked heights to fit your space. The universal bolt hole pattern allows for varying height units to connect to one another to save on redundant and wasted materials. Delete any of the following paragraphs that do not apply.**

1. 72 inches
2. 84 inches
3. 96 inches
4. Combination of heights above, as detailed in drawings

- C. Storage Locker Width:

**** NOTE TO SPECIFIER ** Select door widths that will fit in aisles. Delete any of the following paragraphs that do not apply.**

1. 36 inches, with 36-inch wide door panel
2. 48 inches, with 36-inch wide door panel
3. 48 inches, with 48-inch wide door panel
4. 60 inches, with 36-inch wide door panel
5. 60 inches, with 48-inch wide door panel
6. Combination of widths above, as detailed in drawings
7. Refer to drawings

- D. Storage Locker Depth:

**** NOTE TO SPECIFIER ** Select overall depth of unit. Note that double-tier style has maximum depth of 61-1/2-inches. Delete any of the following paragraphs that do not apply.**

1. 37-1/2 inches
2. 49-1/2 inches
3. 61-1/2 inches
4. 73-1/2 inches
5. 85-1/2 inches
6. 97-1/2 inches

7. 109-1/2 inches
8. 121-1/2 inches
9. Combination of widths above, as detailed in drawings
10. Refer to drawings

E. Storage Locker Attributes:

**** NOTE TO SPECIFIER ** Delete any of the following paragraphs that do not apply.**

1. Wire mesh tops, same construction as panels. Adds 1-1/2 inches to overall height.
2. No tops required.
3. Wire mesh backs, same construction as panels. Only between back-to-back units. Adds 1-1/2 inches to overall depth.
4. Wire mesh backs, same construction as panels. Required on all units. Adds 1-1/2 inches to overall depth.
5. Galvanized 20-gauge sheet steel back panels. Only between back-to-back units. Adds 1/8-inch to overall depth.
6. Galvanized 20-gauge sheet steel back panels. Required on all units. Adds 1/8-inch to overall depth.
7. No backs required. Attach to existing walls.

F. Storage Locker Shelves:

**** NOTE TO SPECIFIER ** Delete any of the following paragraphs that do not apply. Please note that all double-tier units require a divider shelf to be selected, at minimum.**

1. Wire mesh divider shelf: 6-gauge, 2-inch by 2-inch welded wire mesh
2. Solid divider shelf: 16-gauge sheet metal
3. Adjustable height wire mesh shelf, per unit: 6-gauge, 2-inch by 2-inch welded wire mesh
4. Adjustable height solid shelf, per unit: 16-gauge sheet metal
5. Wire mesh base shelf: 6-gauge, 2-inch by 2-inch welded wire mesh
6. Solid base shelf: 16-gauge sheet metal
7. No shelves required

G. Panel Fabrication:

**** NOTE TO SPECIFIER ** Delete infill type not required.**

1. Wire Mesh: 10-gauge 0.130-inch thick, bright basic steel wire resistance welded at every intersection in a 2-inch by 2-inch square pattern.
2. Heavy-Duty Wire Mesh: 6-gauge, 0.192-inch thick, bright basic steel wire resistance welded at every intersection in a 2-inch by 2-inch square pattern.
3. Expanded Metal Mesh: 3/4-inch #9 gauge expanded metal
4. Horizontal Frames: 1-1/4 inch by 1-1/4 inch by 1/8 inch hot rolled angle, with 1-1/4 inches by 7/16-inch slotted holes punched approximately 6-inches O.C. from one end, then every 12-inches O.C. from the first hole. Horizontal frames can range from 6-inch length up to 120 inches.
5. Vertical (Notch) Frames: 1-1/4 inch by 1-1/4 inch by 1/8 inch hot rolled angle, notched at both ends, with 1-1/4 inches by 7/16-inch slotted holes punched approximately 6-inches O.C. from one end, then every 12 inches O.C. from the first hole. Vertical frames can range from 6-inch length up to 60 inches.
6. Panels: Consisting of the above horizontal and vertical members welded at all corners, with mesh securely welded to frame. Stiffener bars, when required, shall be added at the engineered locations. Standard panels range in 1-foot increments from 1-foot by 1-foot up to 5-feet by 10-feet.
7. Doors: Uses both an outer and inner frame with 2-1/2 x 2-1/2 inch pin hinges welded to each so that inner door panels swing outward. Outer and inner frame are punched with slotted holes for the adjustable placement of bolt-on padlock hasps. Padlocks are provided by others.

8. Finish: Powder coat finish on all items other than galvanized backs and hardware.

**** NOTE TO SPECIFIER ** Delete seven of the eight following paragraphs. Note that there is an upcharge for colors other than manufacturer's standard Gray or Black.**

9. Color: SpaceGuard Gray.
10. Color: Beast Black.
11. Color: Pure Orange.
12. Color: Signal Blue.
13. Color: Carmine Red.
14. Color: Zinc Yellow
15. Color: Signal White
16. Color: Leaf Green.

PART 3 EXECUTION

3.1 EXAMINATION

- A. Verification of Conditions: Examine areas and conditions under which Work is to be performed and identify conditions detrimental to proper or timely completion.
 1. Do not proceed until unsatisfactory conditions have been corrected.

3.2 INSTALLATION

- A. Comply with manufacturer's recommendations.
- B. Install plumb, level, accurately fitted, properly aligned, securely fastened, and securely anchored to the floor and to other structural members where indicated. Level where necessary using metal washers or other waterproof shim materials.
- C. Install field bracing as necessary (not furnished by mesh partition manufacturer) to provide rigid, secure installation.

3.3 ADJUSTING

- A. Adjust moving components for smooth operation without binding prior to anchoring and tightening of hardware.

3.4 PROTECTION

- A. Protect installed products until completion of project.
- B. Touch-up, repair or replace damaged products before Substantial Completion.

END OF SECTION