



GENERAL STORAGE SYSTEMS

# EXCALIBUR LOCKERS WITH 16 GA GALV BOTTOM SECTION 10 51 13 – METAL LOCKERS

## PRODUCT SPECIFICATIONS

### APPLICATIONS

- Ideal for Educational, Institutional, Industrial, Commercial, Mining, Sports, Golf, and Government Facilities.

### ADVANTAGES

- **304 Stainless Steel Pockets**
- Doors are hung on a **1.52 mm (16 gauge) continuous one-piece integral right hand hinge and frame.**
- Doors are full double-pan box welded construction with 1.90 mm (14 gauge) outer door panel and a full width 0.91 mm (20 gauge) inner door panel, with double channels down both vertical edges
- Attractive contrasting colors available for doors and frames
- Bodies made from **powder coated 1.52 mm (16 gauge) steel.**
- Virtually **Maintenance Free** with no moving parts except the hinge

### PRODUCT FEATURES

- Recessed Anodized Aluminum Number Plates
- Available w/Sloping Tops, Bases, Finished End Panels & Filler Trim
- Variety of Polymer Powder Finishes
- Can be secured with padlocks, cylinder locks, built-in combination locks, Digilock and SAFE-O-MAT coin & card locks

**STRONG, SILENT, SECURE**

## PART 1: GENERAL

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### 1.1 RELATED WORK

- 1.1.1 Concrete  
Section 03 30 00
- 1.1.2 Concrete Blockwork  
Section 04 20 00
- 1.1.3 Gypsum Drywall  
Section 09 21 00

### 1.2 WORK INCLUDED

- 1.2.1 **Supply and Install:**  
Provide all labor, materials, equipment and services to supply and install lockers indicated on the drawings and/or specified herein.
- 1.2.2 **Warranty:**  
Excalibur lockers carry a two (2) year warranty against defective materials and workmanship. The warranty excludes problems related to environmental, ventilation, vandalism, abuse, fire, water and other acts of God.

### 1.3 QUALIFICATIONS

- 1.3.1 Subject to compliance with the specifications, the following lockers will be acceptable:  
**G.S.S. EXCALIBUR**
- 1.3.2 Alternate manufacturers must adhere to these specifications.

### 1.4 SUBMITTALS

- 1.4.1 **Drawings:**  
Provide shop drawings clearly indicating the material being supplied and showing all gauges according to the enclosed specification.
- 1.4.2 **Installation Instructions:**  
Provide all necessary instructions where lockers are to be attached to walls.
- 1.4.3 **LEED®:**  
Required submittal documentation for recycled content, regional materials, VOC emissions, urea formaldehyde content, etc to be available upon request.
- 1.4.4 **Sample Lockers:**  
The Architect reserves the right to request sample lockers for inspection for any alternates to specification.

## PART 2: PRODUCTS

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### 2.1 MATERIALS AND PRODUCTS

- 2.1.1 **Size:** \_\_\_\_\_
- 2.1.2 **Steel:**  
Doors, Frames, and Bodies - new, cold rolled steel (galvanneal steel where noted) free from imperfections.  
Bodies: Powder Coated Steel in GSS' standard 223 Oyster color applied at the factory to provide a tough and durable finish.

## 2.2 FABRICATION

### 2.2.1 Fabrication:

Fabricate the work true to dimensions, square, plumb and level. Accurately fit members with hairline joints. Secure intersecting members with appropriate fasteners.

### 2.2.2 Appearance and Performance:

Fabricate the finished work free from distortion and defects detrimental to appearances and performance.

### 2.2.3 Bodies:

Locker sides shall be fabricated from 1.52 mm (16 gauge) cold rolled steel. Locker backs shall be fabricated from 1.52 mm (16 gauge) cold rolled steel with right angle flanges on the vertical side. Tops, bottoms and shelves, made from 1.52 mm (16 gauge) steel, shall be flanged on all four sides with a formed under return at the front of the shelves. **Single tier lockers to have a 1.52 mm (16 gauge) galvanized steel bottom shelf. The Double tier locker to have a 1.52 mm (16 gauge) galvanized steel intermediate and bottom shelf.**

### 2.2.4 Frames:

Frames shall be welded together from specially formed channel sections of prime cold rolled steel. Provide two rubber door grommets on the lock side of the frame. Ventilated slots shall be incorporated into the top and bottom frame members.

### 2.2.5 Doors:

**Doors** shall be made with the 1.90 mm (14 gauge) outer door panel formed with channels on both sides and the top and bottom. The 0.91 mm (20 gauge) full width inner door panel shall **cover over the back of the pocket to eliminate vandalism**, be formed with channels on both sides, interlocked with the outer panel, and mig welded together at the top, bottom and both sides on the back surface edges of the door. The box welded door assembly shall be 28 mm (1.1") thick. Single pan outer doors with partial inner door reinforcing pans are not acceptable. The door shall close on the 1.52 mm (16 gauge) frame member with a 16 mm (0.63") wide closure strike the full height of the door and shall fit flush with the outside of the frame. The door shall be hung on a **continuous one-piece integral right hand Hinge and Frame**. Every other knuckle of the hinge shall be staked to the 3 mm (0.12") diameter steel hinge pin so the pin cannot be removed.

### 2.2.6 Single Point Latching:

Single point latching shall be through a single piece deep-drawn 304 stainless steel recessed pocket. The single piece 2.66 mm (12 gauge) channel formed hasp shall be welded to both legs of the 1.52 mm (16 gauge) channel frame member. **Riveted hasps are not acceptable.** Doors shall close on two sound-deadening rubber grommets.

### 2.2.7 Number Plates:

Anodized Aluminum number plates shall be riveted onto the heavy duty nylon door pull and numbered as directed by the Architect.

### 2.2.8 Shelf Locations:

The Single Tier locker shall have a shelf located approximately 381 mm (15") below the top. The Single Tier and Double Tier locker compartments shall have 3 zinc-plated round-tipped metal coat hooks, fastened to locker body. The Triple Tier shall have one double prong ceiling hook fastened to underside of each shelf.

### 2.2.9 Trims, Slope Tops, End Panels, Bases:

All Trims, Sloping Tops, End Panels and Bases will be manufactured from **1.52 mm (16 gauge) cold rolled steel**. Bases shall be manufactured for 1.52 mm (16 gauge) **galvanized steel**.

### 2.2.10 Finish:

All cold rolled steel surfaces shall be pretreated with an iron phosphate corrosion inhibitor and finished with an abrasion and graffiti resistant **Polymer Powder Coating** cured to ensure a tough and durable finish. All surfaces shall meet or exceed a salt spray resistance of 300 hrs with a maximum of 3 mm creepage from scribe according to ASTM B117. Bodies shall be #223 Oyster color and all other components shall be selected from the manufacturer's current color chart.

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## PART 3: EXECUTION

### 3.1 INSTALLATION

#### 3.1.1 Installation:

Lockers to be assembled on site using either nut and security bolt, or rivets (aluminum body c/w steel pin). Adjoining lockers shall be fastened to each-other and anchored to provide a rigid installation. Trim components such as end panels, slope tops, bases, fillers shall be secured in a manner to conceal fasteners where possible.

#### 3.1.2 Adjustment:

Locker doors to be adjusted for proper fit and function to prevent any metal to metal contact of moving parts.

#### 3.1.3 Clean-up:

Field touch-up of minor exterior scratches and abrasions will be made with factory approved and color-matched coatings. All debris resulting from the locker installation shall be removed from the site.

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Visit our website at [www.gsslockers.com](http://www.gsslockers.com) for printable version of the Locker specifications



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