

**DIVISION 12 00 00**  
SECTION 12 93 00  
SECTION 12 93 43  
SECTION 12 93 43.13

**FURNISHINGS**  
SITE FURNISHINGS  
SITE SEATING AND TABLES  
SITE SEATING  
TRIO BENCH

## **Part 1 General**

### 01. Summary

#### A. Section Includes:

1. Six-foot, backed benches with cast aluminum frame and extruded aluminum slats.
2. Six-foot, backed benches with cast aluminum frame and FSC 100% Ipé hardwood slats.
3. Six-foot, backless benches with cast aluminum frame and extruded aluminum slats.
4. Six-foot, backless benches with cast aluminum frame and FSC 100% Ipé hardwood slats.
5. Eight-foot, backed benches with cast aluminum frame and extruded aluminum slats.
6. Eight-foot, backless benches with cast aluminum frame and extruded aluminum slats.

### 02. Submittals

#### A. Provide submittals in accordance with Section 01 33 00 – Submittal Procedures.

#### B. Product data:

1. Manufacturer's standard product literature.
2. Shop drawings.
3. Installation instructions.
4. Maintenance instructions.

#### C. Submit powdercoat finish samples for approval.

### 03. Quality Assurance

#### A. Manufacturer Qualifications:

1. Minimum 15 years experience in the manufacture of site seating.
2. Forest Stewardship Council ("FSC") Certified Supplier. Provide manufacturer's FSC certification number.
3. Provide reference list of at least ten major transportation authorities, municipalities, universities, or other high-use public environments currently using site seating fabricated by the manufacturer.

### 04. Delivery, Storage and Handling

- A. Handle products in accordance with manufacturer's instructions.
- B. Store products in manufacturer's original packaging until ready for installation.
- C. Protect products from impacts and abrasion during storage.

### 05. Warranty

#### A. Provide manufacturer's standard warranty:

1. Warranty terms: one year from date of invoice against defects in materials and workmanship.

## **Part 2 Products**

### 01. Manufacturer

#### A. Basis-of-design product: provide backed and/or backless benches based on the product named:

1. Trio Bench by Forms+Surfaces.
2. Manufacturer Contact:  
Forms+Surfaces

30 Pine Street  
Pittsburgh, PA 15223  
phone: 800-451-0410  
fax: 412-781-7840  
email: sales@forms-surfaces.com  
website: www.forms-surfaces.com

## B. Backed and Backless Benches

### 1. Materials:

- a. Bench frames: cast aluminum with integral armrests.
- b. Slats, metal: extruded aluminum with integral longitudinal grooves on seating surfaces.
- c. Slats, wood: FSC 100% Ipé hardwood.
- d. Intermediate armrests: cast aluminum. (optional)
- e. Fasteners: stainless steel.

### 2. Finishes:

- a. Bench frames: polyester powdercoat (Select one option below):
  - 1) Standard Texture from Forms+Surfaces Powdercoat Chart.
  - 2) Premium Texture from Forms+Surfaces Powdercoat Chart.
  - 3) Custom RAL powdercoat color.
- b. Slats, metal: anodized finish or polyester powdercoat (Choose one color below):
  - 1) Anodized finish: Clear Anodized.
  - 2) Polyester powdercoat (Select one option below):
    1. Standard Texture from Forms+Surfaces Powdercoat Chart.
    2. Premium Texture from Forms+Surfaces Powdercoat Chart.
    3. Custom RAL powdercoat color.
- c. Slats, wood: penetrating oil finish.
  - 1) Finish color: Penofin® Hardwood Formula "Transparent Natural."

### 3. Dimensions (Select model(s) below):

- a. Backed bench, 6 foot: 75.0" long x 22.7" deep x 33.6" high. Seat height 17.6", seat depth 17.4", armrest height 21.6".
- b. Backless bench, 6 foot: 74.8" long x 20.0" deep x 21.9" high. Seat height 17.7", seat depth 20.1", armrest height 21.9".
- c. Backed bench, 8 foot: 98.7" long x 22.7" deep x 33.6" high. Seat height 17.6", seat depth 17.4", armrest height 21.6".
- d. Backless bench, 8 foot: 98.6" long x 20.0" deep x 21.9" high. Seat height 17.7", seat depth 20.1", armrest height 21.9".

### 4. Mounting: Surface mount. Provide anchors and stainless steel mounting screws.

## Part 3 Execution

### 01. Examination

- A. Verify that substrates are stable and capable of supporting the weight of items covered under this section.

B. Verify that substrates have been adequately prepared to securely anchor those items that will be surface mounted.

02. Installation

A. Install according to the manufacturer's installation instructions.

B. Install in conformance to applicable ADA guidelines and End User's established Accessibility policies.

**END OF SECTION**