

StageRight  
495 Pioneer Parkway  
Clare, Michigan 48617  
Toll Free 800-438-4499  
Website www.stageright.com  
E-mail stageright@rogersgrp.com

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## Product Guide Specification

Specifier Notes: This product guide specification is written according to the Construction Specifications Institute (CSI) 3-Part Format, including *MasterFormat*, *SectionFormat*, and *PageFormat*, as described in *The CSI Construction Specifications Practice Guide*.

This section must be carefully reviewed and edited by the Architect to meet the requirements of the project and local building code. Coordinate this section with other specification sections and the Drawings. Delete all "Specifier Notes" after editing this section.

Section numbers and titles are from *MasterFormat 2014 Update*.

### SECTION 11 61 23

#### FOLDING AND PORTABLE STAGES

Specifier Notes: This section covers StageRight portable, stage extension platform systems, including "ME-1000" support systems. Consult StageRight for assistance in editing this section for the specific application.

#### PART 1 GENERAL

##### 1.1 SECTION INCLUDES

- A. Stage extension platform systems.

##### 1.2 SUBMITTALS

Specifier Notes: Edit submittal requirements as necessary. Delete submittals not required.

- A. Comply with Section 01 33 00 – Submittal Procedures.
- B. Product Data: Submit manufacturer's product data.

- C. Shop Drawings: Submit manufacturer's shop drawings, including plans, elevations, sections, and details, indicating dimensions, tolerances, materials, components, fabrication, fasteners, hardware, finish, options, and accessories.
- D. Manufacturer's Certification: Submit manufacturer's certification that materials comply with specified requirements and are suitable for intended application.
- E. Manufacturer's Project References: Submit manufacturer's list of successfully completed stage extension platform system projects, including project name and location, name of architect, and type and quantity of stage extension platform systems furnished.
- F. Operation and Maintenance Data: Submit manufacturer's operation and maintenance manuals, including operation, maintenance, and cleaning instructions.
- G. Warranty Documentation: Submit manufacturer's standard warranty.

### **1.3 QUALITY ASSURANCE**

- A. Manufacturer's Qualifications: Minimum 25 years of experience in the manufacturing of stage extension platform systems of similar type to that specified.

### **1.4 DELIVERY AND STORAGE**

- A. Delivery Requirements: Deliver stage extension platform systems to site in manufacturer's original, unopened containers and packaging, with labels clearly identifying product name and manufacturer.
- B. Storage Requirements: Store stage extension platform systems at location designated by the Owner.

### **1.5 WARRANTY**

- A. Warranty Period: 3 years from date of delivery.

## **PART 2 PRODUCTS**

### **2.1 MANUFACTURERS**

- A. Manufacturer: StageRight, 495 Pioneer Parkway, Clare, Michigan 48617. Toll Free 800-438-4499. Website [www.stageright.com](http://www.stageright.com). E-mail [stageright@rogersgrp.com](mailto:stageright@rogersgrp.com).
- B. Substitutions: Not permitted.
- C. Single Source: Provide all components of stage extension platform systems by single manufacturer.

### **2.2 STAGE EXTENSION PLATFORM SYSTEMS**

- A. Stage Extension Platform System Components:

1. Support Systems: "ME-1000".
2. Decks.
3. Skirting.
4. Transport carts.

B. Portable system.

C. Incorporate "floating deck" design, permitting use of modular decks in conjunction with various support systems to create performance staging with heights ranging from 3.2 inches to 108 inches.

D. Floating Deck: When coupled with StageRight major event support systems, permits creation of performance stage.

E. System Assembly: No special equipment or tools required.

F. Maximum Weight of Individual Components: Approximately 140 pounds.

G. Support Structure: Permit bridging of decks between units, facilitating rapid setup and leveling.

## 2.3 SUPPORT SYSTEMS

A. Support Systems: "ME-1000".

B. Description: Portable, modular, staging support system with stable, wobble-free understructure.

Specifier Notes: Specify **one** of the following **two** styles of support system. Specify adjustable height range. Consult StageRight for availability of other adjustable height ranges by special order.

C. Support System Style: Arena.

1. Adjustable Height Range: [24 to 36 inches] [32 to 48 inches] [36 to 56 inches] [48 to 78 inches] [72 to 108 inches].

D. Support System Style: All-Terrain.

1. Adjustable Height Range: [24 to 36 inches] [32 to 48 inches] [36 to 56 inches] [48 to 78 inches].
2. Each leg can be set at different coarse heights to accommodate variable contours or uneven surfaces.

E. Certified Uniformly Distributed Live-Load Capacity: 4,000 pounds per 4-foot by 8-foot section (125 pounds per square foot).

F. Storage: Supports store compactly.

G. Setup: Assembled without tools by a minimum of 2 people.

H. Locator Nodes:

1. Conical Nodes on Locator Plates: Guide decks into location and proper alignment, securing them in place without tools, clamps, or clips.

2. Decks: Fasten in place and stage sections interlock without tools, clamps, or separate processes.
- I. Bridging:
    1. Alternating Sections of Staging (both front-to-back and side-to-side): Composed of decks that suspend, or “bridge”, between support assemblies.
  - J. Adjustable Height:
    1. Height: Adjust in increments of 2 inches without tools.
    2. Adjustments: Executed from standing position by raising or lowering inner column of supports.
  - K. Construction:
    1. Vertical Columns: 2-1/2-inch IPS aluminum pipe, Schedule 40.
    2. Telescopic Inner Legs: 2-inch IPS aluminum pipe, Schedule 80.
    3. Horizontal and Diagonal Braces:
      - a. 2-inch OD aluminum hollow bar.
      - b. Attach to frame with self-locking hooks that encircle nearly 70 percent of tube and require manual release.
    4. Locator plates with welded-on nodes.
    5. Screw Feet:
      - a. At base of each column.

Specifier Notes: Provide a range of fine-adjustment leveling. Consult StageRight for more information.

- b. Adjustment: \_\_\_\_\_-inch range of fine-adjustment leveling.
- c. Diameter: Minimum of 3/4 inches.
- d. Threads: Zinc-plated Acme.
- e. Bottom of Feet: Molded urethane pads, minimum of 2-7/8-inch diameter.
6. Velcro Dots: Prevent metal-to-metal contact between inner and outer columns.

- L. Finish: Non-glare, black, baked-on powder coat.

## 2.4 DECKS

- A. Material: Composite structure with skins of 1/8-inch, exterior-grade, Douglas fir plywood, laminated to 0.35-inch surfaces and bonded to 2-1/4-inch-thick honeycomb-core material with waterproof urethane adhesive.
- B. Performance Surfaces:

Specifier Notes: Specify **two** performance surfaces for the decks, one for each side. Delete surfaces not required. Consult StageRight for information regarding custom performance surfaces.

1. “TechStage”, 0.095-inch surface of fiberglass-reinforced polymeric with black texture.
2. “PolyTrac”, black, slip-resistant ABS.
3. Commercial-grade polyolefin carpet.
4. Tempered hardboard prepared as a paintable surface.

- C. Edging:
  1. Material: Aluminum alloy 6005-T5.
  2. Enclose deck.
  3. Extruded Interlock Track: Receive accessories.
  4. Attach to Deck: Adhesives and riveted corner brackets.
  5. Finish: Silver anodize or black powder coat paint.
- D. Relationship with Support Systems: Not permanently part of a given support system, but function with several support structures available from manufacturer.
- E. Loads:
  1. Design decks to support a load of 125 pounds per square foot and a point load of 600 pounds on a 1-inch-square area on honeycomb core with 3/8-inch cell.
  2. Carpeted Surface: Support a point load of 300 pounds on a 1-inch-square area on honeycomb core with 3/8-inch cell.
- F. Construction: No bolts or welded joining of deck components.
- G. Honeycomb Core Design: Absorbs drum-head effect and distracting foot noise.
- H. Decks Not Acceptable: Single-sided frame-style decks with sound-absorbing material added to bottom.

## 2.5 ACCESSORIES

Specifier Notes: Specify required accessories. Delete accessories not required.

- A. Skirting:
  1. Material: Noncombustible, 100 percent PolyTwill.
  2. Conformance: Local fire codes.
  3. Skirt Attachment Clips:
    - a. Material: Semi-rigid vinyl.
    - b. Sewn into top hem of skirt at regular intervals along its entire length.
    - c. Engage into deck interlock track for attachment to stage.
  4. Skirt Height Adjustment: Velcro strips sewn into reverse side of skirt.
  5. Skirting Valence: Knife or box pleated with a fullness of 50 percent.
- B. Transport Carts:
  1. Transport stage extension platform systems.
  2. Material: Welded steel tubing.
  3. Fork Truck Access: 4 sides.
  4. Casters: Minimum of 4 heavy-duty swivel casters.
  5. Contain their intended load in a secure and organized manner.

## PART 3 EXECUTION

### **3.1 TRAINING**

- A. Provide instruction and training of Owner's personnel in the operation and maintenance of stage extension platform systems.
- B. Provide instruction and training by factory-trained and certified representative of manufacturer.

**END OF SECTION**