Memtech Acoustics
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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 13

ACOUSTICAL SHELLS

Specifier Notes: This section covers the "Alla Breve" self-standing, portable music shells to reflect a maximum range of audible frequencies. Consult Memtech Acoustics for assistance in editing this section for the specific application.

PART 1 GENERAL

1.1 SECTION INCLUDES

A. Music shells.

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 music shell projects, including project name and location, name of architect, and type and quantity of music shells 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 10 years of experience in the manufacturing of music shells of similar type to that specified.

1.4 DELIVERY AND STORAGE

A. Delivery Requirements: Deliver music shells to site in manufacturer's original, unopened containers and packaging, with labels clearly identifying product name and manufacturer.

B. Storage Requirements: Store music shells at location designated by the Owner.

1.5 WARRANTY

A. Warranty Period: 5 years from date of delivery.

PART 2 PRODUCTS

2.1 MANUFACTURERS

A. Supplier: Memtech Acoustics, 2175 Avon Industrial Dr., Rochester Hills, Michigan 48309. Phone 248.289.1123. Website memtechacoustics.com. E-mail sales@memtechacoustics.com.

B. Substitutions: Not permitted.

2.2 MUSIC SHELLS

A. Music Shells: "Alla Breve".

B. Description:
   1. Self-standing, portable music shells.
   2. Reflect a maximum range of audible frequencies.

C. Size:
   1. Range of Setup Heights: 8’-8-1/2” to 13’-4”.
   2. Storage Height: 79-1/2 inches.
   3. Width: 6’-3/8”.
   4. Fits through standard doorways in storage position.

D. Weight: 210 pounds.

E. Setup:
   1. Positioned and setup by 1 person with no tools or loose parts (a second person to spot ceiling obstructions is recommended).
   2. Base: Fitted with locking swivel casters.
   3. Raising to Performance Position or Lowering to Storage Position: Maximum of 15 pounds of lift effort.

F. Storage: Shells nest compactly in storage.

G. Panel Construction:
   1. Panels: Sandwich laminate, 7/8 inch thick.
   2. Core: Honeycomb, 3/4 inch thick.
   3. Surfaces:
      a. 0.060-inch ABS plastic.
      b. Color: Warm Beige.
   4. Side Channel: Aluminum.

H. Frame Construction:
   1. Base Tube: 2-inch-OD EWFC steel.
   2. Inner Tube: 1-3/4-inch-diameter EWFC steel.
   3. Outer Tube: 2-inch-OD EWFC steel.
   4. Weight Assists:
      a. 2 per unit.
      b. 30-pound cast gray iron.
   5. Pulley Cable: 3/32-inch-diameter galvanized wire rope.
   6. Casters:
      a. Size: 3-inch diameter by 1-1/4-inch wide.
      b. Rated: 200 pounds each.
      c. Swivel with lock.

PART 3 EXECUTION

3.1 TRAINING

A. Provide instruction manual to Owner’s personnel in the operation and maintenance of music shells.

END OF SECTION