

**SECTION 13 34 16.03
MODULAR PRESS BOX**

PART 1 GENERAL

1.1 RELATED DOCUMENTS

- A. The provisions of the General Conditions, Supplementary Conditions, and the Sections included under Division 1, General Requirements, are included as a part of this Section.

1.2 SUMMARY

- A. Provide engineering, material, freight, labor, and supervision to install a new 30' x 8' wide prefabricated, steel-framed, Type IIB, non-combustible modular press box in accordance with the following specifications.

1.3 RELATED WORK

- A. Section 13 34 16.01 - Home Side Grand Stand Seating System
- B. Section 08 71 00 – Door Hardware

1.4 REFERENCES

- A. FS 553 Part I and Part IV Manufactured Buildings
- B. Rule 61-41 Manufactured Buildings– Department of Business and Professional Regulation (DBPR)
- C. FBC - Florida Building Code
- D. FFPC – Florida Fire Prevention Code
- E. ASCE 7 Minimum Design Loads for Buildings and Other Structures
- F. NFPA 70 National Electric Code (NEC)

1.5 SUBMITTALS

- A. Complete shop drawings showing plans, sections, elevations, and wall sections showing complete detail of layout, connection, and trim detail.
 - 1. Include all attachments to grand stands and elevator structures.
 - 2. Plans shall have the DBPR approval stamp, indicating their review and approval.
- B. The building shall have the proper DBPR insignia installed indicating the building meets the DBPR requirements.

1.6 DESIGN CRITERIA

- A. General: Provide proper temporary bracing of the structure for wind and construction loads until the installation of all permanent structural elements is complete.
- B. Code Compliance: Units shall comply with FFPC, FBC, and ASCE 7
 - 1. 180 mph wind load, Risk Category II, Exposure C.
- C. All materials shall be new and shall comply with the requirements of the ASTM specifications.
- D. Comply with FBC - Accessibility
- E. Florida Fire Prevention Code
- F. FS 553 Part I Manufactured Buildings
- G. DBPR rule 61-41 Manufactured Buildings

1.7 QUALITY ASSURANCE

- A. Manufacturer shall have a minimum of 5-years of experience in fabrication of grandstand structures.
- B. Engineering Qualifications:
 - 1. A licensed professional engineer registered in the State of Florida shall approve Press box, and all submittals shall bear said professional's seal.
 - 2. Calculations are required, must show all vertical and lateral loads, and must show positive and negative biaxial stress ratios.
 - 3. Submit the calculations with the approval drawings.

- C. Product Liability: Provide detailed Certificate of Insurance, including products/completed operations insurance.
- D. Warranty:
 - 1. Provide guarantee for a period of one year against defective materials and workmanship.

PART 2 PRODUCTS

2.1 SIZE

- A. The overall size of the press box shall be 8'-0" x 30'-0" with an entrance platform on one end and a filming platform on the other end.
 - 1. Both platforms will be at the same elevation as the elevator floor when at its top level, press box floor, and accessible seating area.
 - 2. The film platform will be on the opposite side of the press box from the entrance platform, accessible seating area, and elevator.

2.2 MATERIALS

- A. The use of wood or wood products whether FRT or not is prohibited.
- B. Floor System
 - 1. Provide a galvanized steel floor frame with 26-ga white belly pan.
 - 2. Floor covering shall be 12" x 12" x ½" thick vinyl tile Azrock Alvarado, or equal.
 - 3. Kraft faced fiberglass building insulation as required by FBC – Energy Conservation, manufactured by Owens-Corning Fiberglass Corp. or equal.
- C. Walls
 - 1. Optional: Studs shall be 4" x 4" x 11-ga square tubing and 4" x 2½" x 14-ga steel cees on 16" centers.
 - 2. Exterior siding shall be 26-ga white, pre-finished steel rib paneling over 5/8" exterior grade plywood.
 - 3. Kraft faced fiberglass building insulation minimum as required by FBC – Energy Conservation manufactured by Owens-Corning Fiberglass Corporation or equal.
 - 4. Paneling shall be ½" vinyl surfaced gypsum, gold bonded vinyl, Durasan prefinished, Harvest Maize.
- D. Roof System
 - 1. Roof joist 4" x 4" x 11-ga square tubing and 4" x 2½" x 14 ga. steel channels.
 - 2. Roof decking 1/8" four-way steel -plate roof, continuous welded seams and coated with acrylic metal primer.
 - a. Roofing coating shall be minimum 60 mils of white elastomeric roof coating.
 - b. Roof coating shall be Class A per UL 790 and ASTM E108.
 - 3. Flashing to be 1" x 2" galvanized metal edge.
 - 4. The cornice shall match siding in color and style.
 - 5. Ceiling shall be exposed metal "T" grid system with 2" x 2" x 5/8" acoustical tile.
 - 6. Kraft faced fiberglass building insulation minimum as required by FBC – Energy Conservation, manufactured by Owens-Corning Fiberglass Corp. or equal.
 - 7. Roof Access: Roof access is not allowed and the following construction is prohibited.
 - a. Roof hatches.
 - b. Edge guards along the perimeter of the roof.
 - c. Permanently mounted roof access ladders.
- E. Doors
 - 1. These shall be one 3' 0" x 7' 0" insulated clad steel door with steel jambs in compliance with ASCE 7.
 - a. Provide a door with missile impact rated glass vision light.

- b. Provide hardware as specified under Section 08 71 00 – Door Hardware as follows:
 - i) 3 Hinges
 - ii) 1 Classroom Lockset D94RD x RHD x 626
 - iii) 1 Closer
 - iv) 1 Door Stop
 - v) 1 Threshold
 - vi) 1 Weather-stripping
- F. Windows
 - 1. Aluminum extruded horizontal slider with double glazed glass and screens, Acorn 2500 series in compliance with ASCE 7.
 - 2. There shall be sufficient windows across the entire front of the press box providing a 6" jamb for support between each window and a maximum of 18" on each end of front.
- G. Electrical
 - 1. Square D distribution panel with main disconnect rated at 100-amp capacity.
 - 2. Provide a 120/240 volt, 60 HS single-phase electrical service.
 - 3. All branch circuit wiring per NEC, encased in EMT thin wall conduit.
 - 4. Slater 125 volt/15 amp spec grade heavy-duty duplex receptacles along back wall spaced 9-foot 0-inch intervals.
 - 5. Wire mold series 2000 plug strips above scorers table.
 - 6. Lithonia LB240A surface mounted diffused fluorescent light fixtures over scorers table.
- H. Work Bench
 - 1. 24" wide pre-formed plastic workbench constructed of double ¾" AC grade plywood.
 - 2. Support the bench with 2" x 2" x 3/16" angle brackets spaced 32" on center.
 - 3. Molded plastic workbench maybe considered by the District.
- I. Painting: Paint materials equal to Pittsburg Paint Company
 - 1. Exterior siding
 - a. Primer: factory applied
 - b. Finish: factory applied (touch up if needed).
 - 2. Caulking equal to Kaukit as manufactured by Sonneborn / Contech, Inc

PART 3 EXECUTION

3.1 EXAMINATION

- A. Examine site conditions, with Installer present, for compliance with requirements for construction and installation requirements as they affect work specified herein.
- B. Do not proceed until unsatisfactory conditions correct.
- C. Do not proceed without approved shop drawings and SDPBC Building Code Services.

3.2 INSTALLATION

- A. The manufacturer or a factory-certified installation subcontractor shall handle the installation.
- B. Comply with Florida construction licensing requirements.

3.3 ADJUSTMENT

- A. The Manufacturer/Installer shall correct, repair, or replace any, defective workmanship or damaged components as requested by the Architect, without further cost to the Owner.

3.4 CLEANING

- A. Clean all surfaces after erection, in accordance with manufacturer's recommendations.
- B. Remove and properly dispose of all packaging and construction debris.

END OF SECTION