

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, installation, and supervision to provide 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 Manufactured Buildings
- B. Rule 9B-1 Manufactured Buildings Rule – Department of Community Affairs (DCA)
- C. Florida Building Code
- D. ASCE 78
- E. 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 DCA approval stamp, indicating their review and approval.
- B. The building shall have the proper DCA insignia installed indicating the building meets the DCA 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 NFPA 101, FBC, and ASCE 7
- C. All materials shall be new and shall comply with the requirements of the ASTM specifications.
- D. Comply with Florida Accessibility Code for Building Construction
- E. Florida Fire Prevention Code
- F. FS 553 Part I Manufactured Buildings
- G. DCA rule 9B-1 Manufactured Buildings Rule

1.7 QUALITY ASSURANCE

- A. Manufacturer shall have a minimum of 5-years 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 product guaranteed for a period of one year against defective materials and workmanship.
 - 2. Damage resulting from abnormal use, vandalism, or incorrect installation (if installed by other than authorized installer of the manufacturer) is not applicable.

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.

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 1/8" thick vinyl tile Azrock Alvarado, or equal.
 - 3. Kraft faced fiberglass building insulation minimum R-19, as 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 2 1/2" 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 R-13 as manufactured by Owens-Corning Fiberglass Corporation or equal.
 - 4. Paneling shall be 1/2" vinyl surfaced gypsum, gold bonded vinyl, surfaced durasan, harvest maize.
- D. Roof System
 - 1. Roof joist 4" x 4" x 11-ga square tubing and 4" x 2 1/2" x 14 ga steel cees
 - 2. Roof decking 1/8" four-way steel -plate roof, continuous welded seams and coated with acrylic metal primer.
 - a. Roofing shall be minimum 36 mils of white elastomeric roof coating.
 - 3. Roofing shall be single ply .060 white membrane, Goodyear or equal.

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4. Flashing to be 1" x 2" galvanized metal edge.
 5. The cornice shall match siding in color and style.
 6. Ceiling shall be exposed metal "T" grid system with 2" x 2" x 5/8" acoustical tile.
 7. Kraft faced fiberglass building insulation minimum R19, manufactured by Owens-Corning Fiberglass Corp. or equal.
- E. Film Platform
1. Provide platform of similar material to walk way extending out over seating area accessible from top most walkway with elevator access.
 2. Roof Guard System:
 - a. Guardrails shall be of anodized aluminum extruded pipe 6061-T6 alloy, 1 $\frac{5}{8}$ " o.d. spaced at < 4" on center.
 - b. Guardrail supports shall be aluminum tube 2" x 2.8" x 0.183" and shall be 6061-T6 alloy, 42" high.
 - c. Chain link fence shall be 2" mesh, 9-ga black vinyl coated fabric.
- F. 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
- G. 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.
- H. 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.
- I. Work Bench
1. 24" wide pre-formed plastic workbench constructed of double $\frac{3}{4}$ " 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.
- J. 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

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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 Department.

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