

## MANUFACTURER

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## METAL STRUCTURE PRESS BOX SPECIFICATIONS

### 2.03 PRESS BOX WITH METAL STRUCTURE

- A. Product Description: Type II Construction
1. Press Box Support Structure: Independently supported but connected to rear of grandstand. Support Structure to be \_\_\_\_\_ feet wide x \_\_\_\_\_ feet long with 6 feet landing on \_\_\_\_\_ end(s).
  2. Press Box Dimensions: \_\_\_\_\_ feet wide x \_\_\_\_\_ feet long.
  3. Optional: Filming Area/Observation Deck located on Press Box roof.
  4. Press Box to be of open construction, allowing inspection of electrical wiring, switches and other components without destructive disassembly.
- B. Materials/Finishes
1. Press Box Support Structure:
    - a. Structural shapes meet one of the following ASTM specifications: A36, A36/A572 grade 50, A572 grade 50, A529-50, or A500 grade B.
    - b. Shop connections are seal welds.
    - c. After fabrication, all steel is hot-dipped galvanized to ASTM-A-123 specifications.
  2. Press Box: All materials shall be new and shall comply with ASTM specifications.
    - a. Floor
      - (1) Main support to be a galvanized steel floor frame sized to support structure and metal belly pan for support of insulation.
      - (2) Floor to be INTERLOCK Aluminum Decking System, extruded aluminum alloy 6063-T6, mill finish. Attach Decking System to steel floor frame with mechanical fasteners at end of plank and at intermediate supports. (Tongue & Groove or Standard extrusion is not acceptable.)
      - (3) Insulation: Poly-encapsulated Formaldehyde-free fiberglass building insulation R-13, 3 1/2 inches thick. Batt or roll as manufactured by Johns Manville, or equal.
    - b. Wall Structure
      - (1) 4 inch x 4 inch x 11 gauge square tubing with maximum span of 14 feet on front wall and maximum span of 6 feet on back wall and 4 inch x 2 1/2 inch x 14 gauge steel "cees" with maximum spacing of 5 feet for all walls with siding. Spans greater than these require engineered calculations for design.
        - a) Steel framing shapes to meet one of the following ASTM's, A500 Grade A or B 45 ksi, A36 50ksi, A1011 CS Type B.

- (2) Insulation: Poly-encapsulated Formaldehyde-free fiberglass building insulation R-13, 3 1/2 inches thick. Batt or roll as manufactured by Johns Manville or equal.
- (3) Interior Finish
  - (a) 1/2 or 5/8 inch vinyl coated gypsum panels (as required), Gold Bond vinyl-surfaced Durasan.
  - (b) Cove Base: Vinyl 4 inches x .080.
- (4) Exterior Finish
  - (a) 26 gauge prefinished R-Panel paneling as manufactured by MBCI, Signature 200 color series, or equal.
  - (b) Wall panels are attached with #12 TEK screws - 6" O.C. at the top, midpoint and bottom of the panels.
  - (c) Lap screws are placed at each end of the panels, at the intermediate supports, and at the mid point between supports (TEK #14).
  - (d) All fasteners to be painted same color as exterior paneling.
- c. Roof Structure
  - (1) 4 inch x 4 inch x 11 gauge square tubing with maximum spacing of 6 feet on center and 4 inches x 2 1/2 inches x 14 gauge steel "cees" with maximum spacing of 2 feet on center.
  - (2) Roof: 1/8 inch fourway steel plate roof, continuous welded seams coated with acrylic metal primer as manufactured by Coronado and 36 mils of acrylink roof coating as manufactured by Isothermal Protective Coatings, or equal. Plate is welded on both sides of rafters with 1-1/2 inch long 1/8 inch fillet welds on 12 inch centers.
  - (3) Insulation: Poly-encapsulated Formaldehyde-free fiberglass building insulation, R-19 (minimum) 6 inches thick. Batt or roll as manufactured by Johns Manville or equal.
  - (4) Cornice: 26 gauge steel prefinished to match metal siding.
  - (5) Ceiling: 24 inch x 24 inch x 5/8 inch acoustical lay in ceiling tile with removable tiles, per 2006 IBC or local code, applicable category per seismic zone, (in California per 2007 CBC, applicable category per seismic zone, ref. DSA IR 25-5).
- d. Exterior Door(s)
  - (1) Full flush steel construction with hollow or polystyrene core. 18 gauge skin sheets. Dimensions: 3 feet 0 inches x 6 feet 8 inches. Color: Coordinated with press box siding color.
  - (2) Steel door frame (16 gauge) complete with 1/2 inch threshold and weather-stripping.
  - (3) Exterior Hardware: Yale 546F Exterior Trim, or equal. Handles shall be lever type that allow operation without tight grasping or twisting of the wrist. Keyed alike locks.
  - (4) Interior Hardware: Yale 2100 Exit Device, or equal. Handle shall be panic bar that allows for opening without any grasping, twisting or turning.
- e. Interior Door (Optional)
  - (1) Interior Hollow Core Birch Unit. Dimensions: 3 feet 0 inches x 6 feet 8 inches.
  - (2) Hardware: Handles shall be lever type that allow operation without tight grasping or twisting of the wrist.

- f. Interior Walls (Optional)
  - (1) Framing to be steel galvanized studs (25 gauge) 1 1/4 inch x 3 5/8 inch or 4 inch at maximum 2 feet on center.
  - (2) Finishes to be consistent with all other interior finishes.
  
- g. Windows
  - (1) Frame: Extruded aluminum single hung, vertical sliding unit, thermal break.
  - (2) Sash: Tilt toward inside for easy cleaning.
  - (3) Glazing: Clear tempered panes.
  - (4) Dimensions of each unit: Dependent on compartment size. At interior wall locations or structural support locations the dimension between windows shall be no greater than 6 inches.
  - (5) Finish: Electrostatically applied acrylic enamel.
  
- h. Work Bench
  - (1) 1 inch thick x 21 inch wide clear anodized aluminum work bench supported by 4 inch x 2 1/2 inch x 14 gauge steel. Countertops heights shall be constructed to allow wheelchair usage at all locations.
  
- i. Painting: Materials equal to Coronado, or equal.
  - (1) Surfaces: Exterior Door(s), Door Frame(s)
    - (a) Primer: Applied by Door Manufacturer.
    - (b) Finish: 2 coats acrylic latex semi-gloss enamel applied by press box manufacturer.
  - (2) Surfaces: Interior Doors (if applicable)
    - (a) Primer: Jones Blair Interior Exterior Oil Primer, or equal.
    - (b) Finish: 2 coats acrylic latex semi-gloss enamel.
  - (3) Surfaces: Exterior Siding
    - (a) Primer: Applied by Siding Manufacturer.
    - (b) Finish: Applied by Siding Manufacturer.
    - (c) Touchup: If applicable
  - (4) Surfaces: Wall and Roof Structure
    - (a) Primer: Coronado DTM Industrial 180-11 acrylic metal primer applied after welding, or equal.
  
- j. Caulking: Sonneborn NP1 – Polyurethane sealant, All temperature, UV resistant, or equal. Silicone products are not acceptable.
  
- k. Electrical
  - (1) Submittal drawing shall indicate devices and circuitry.
  - (2) Fixtures: 2-lamp, 58 or 64 watt fluorescent, 2' x 4' lay-in design as manufactured by Lithonia Lighting, or equal. Fixtures shall be located above countertop and be maximized to full length of compartment space.
  - (3) Wiring to be in EMT, flexible metal conduit or surface raceway. N.E.C. breaker panel to be 100 amp flush or surface mounted on wall with 1 1/4 inch conduit stubbed out bottom of press box or 2 inch rigid conduit to be stubbed out at back wall of press box ready for service line to be connected. (Service line to Press Box is responsibility of Owner).
  - (4) Electrical outlet(s) installed per NEC shall be standard duty. All outlets shall be surface or flush mounted.
  - (5) Sound, Telephone, Clock, Field Communication: Empty single or double outlet boxes (as required) per N.E.C. with 3/4 inch conduit stubbed out bottom of Press Box for use of Owner. Outlet boxes to be flush mounted into wall. Any wiring completed on-site will be responsibility of such contractor for inspections. Quantity. Two will be provided. Owner shall indicate additional boxes needed.

- (6) (Optional) Filming Area/Observation Deck: Weathertight outlet box for cameras. Quantity: One. Owner shall indicate additional outlets needed.
- I. Filming Area/Observation Deck (If applicable)
    - (1) Access Options [select (a) or (b)]
      - (a) Interior: Roof hatch with OSHA-rated aluminum ladder mounted to an interior back wall.
      - (b) Exterior: Stairs up to roof shall run along back wall of press box with support of same being provided by extended landing platform at bottom and by stub beam attached to press box back wall at top of stairs. No supports from grade are required.
    - (2) Roof guardrailing to be 42" above walking surface around perimeter of deck attached to 5/8 inch galvanized studs to be welded to roof support structure. The guardrailing to include anodized aluminum with 9 gauge galvanized chain link fencing fastened in place with galvanized fasteners and aluminum ties.

## 2.04 WARRANTY

- A. The Press Box shall be under warranty for a period of one year beginning at Date of Substantial Completion for projects installed by Manufacturer. The Press Box is warranted to be free from defect in materials and workmanship in the course of manufacture. This warranty excludes any other defects resulting from abnormal use in service, accidental or intentional damage or any occurrences beyond manufacturer's control.

\* *All specifications are subject to change without notice to allow for Southern Bleacher's policy of continuous product improvement.*