



## SECTION 13129

### PREFABRICATED PRESSBOX

#### PART 1 GENERAL

##### 1.1 SECTION INCLUDES

**\*\* NOTE TO SPECIFIER \*\*** Delete items below not required for project.

- A. Prefabricated Pressbox.

##### 1.2 DESIGN REQUIREMENTS

**\*\* NOTE TO SPECIFIER \*\*** Edit as required to suit project requirements. Standard loads are specified below, consult with manufacturer for requirements that exceed those specified as follows.

- A. Provide factory built, prefabricated press box capable of withstanding the effects of gravity loads and the following loads and stresses within limits and under conditions indicated.

- B. Design Loads: Determine loads based on the following minimum design wind loads and snow loads:

**\*\* NOTE TO SPECIFIER \*\*** Select one of the following two paragraphs and delete the one not required.

1. Wind Load: Meet the wind load requirement for site where press box will reside. If not specified our standard will be 90 mph wind.
2. Snow Load: Meet the snow load requirement for the site where the press box will reside. If not specified our standard will be 30 psi.
3. Live Load: When press box has a camera deck, meet the minimum live load applicable where press box will reside.

**\*\* NOTE TO SPECIFIER \*\*** Select one of the following two paragraphs and delete the one not required.

4. Energy Code: Provide factory built, prefabricated press box that meets the energy code requirements for the state that the press box will reside in.

- C. Seismic Performance: Provide factory built, prefabricated press box capable of withstanding the effects of earthquake motions for the site where the press box will reside in determined according to:

1. ASCE 7, "Minimum Design Loads for Buildings and Other Structures": Section 9, "Earthquake Loads".

- D. Thermal Movements: Provide factory built, prefabricated press box that allows for thermal movements resulting from the following maximum change (range) in ambient and surface temperatures by preventing buckling, opening of joints, overstressing of components, failure of joint sealants, failure of connections, and other detrimental effects. Engineering calculations are based on surface temperatures of materials due to both solar heat gain and nighttime-sky heat loss.

1. Temperature Change (Range): 120 deg F (67 deg C), ambient; 180 deg F (100 deg C), material surfaces.

- E. Electrical Devices: Devices UL listed with wiring bearing UL classification and conforming to the current NEC.

- F.



G.

### 1.3 QUALITY ASSURANCE

- A. Manufacturer Qualifications: Company specializing in manufacturing prefabricated press boxes with a minimum documented experience of ten years.
- B.
- C. Design: All prefabricated press boxes are to be built by a company regularly employing a quality assurance program by an independent third party quality control firm. The manufacturing process will include a 5-stage, 35-step, quality inspection for each system.
- D.
- E. Preinstallation Meetings: Conduct meetings to verify project requirements, substrate conditions, utility connections, manufacturer's installation instructions, and warranty requirements. Compliance with Division 1 requirements are responsibility of the contractor.

### 1.4 WARRANTY

- A. Provide the manufacturer's 5 year limited warranty on surfaces against oxidation and the manufacturer's 20 year limited warranty against peeling, flaking and chipping when properly maintained.
- B. Provide manufacturer's warranties on all accessory items provided such as, but not limited to, air conditioning, lights, and heating units.

## PART 2 PRODUCTS

### 2.1 MANUFACTURERS

Acceptable Manufacturer: Panel Built, Inc., 302 Beasley Street, Blairsville, GA 30512

- A. Toll Free Tel: 800-636-3873, Fax: 800-594-3245,
- B. Email: salesgroup@panelbuilt.com, Web: <http://www.panelbuilt.com>
- C. .

**\*\* NOTE TO SPECIFIER \*\* Delete one of the following two paragraphs; coordinate with requirements of Division 1 section on product options and substitutions.**

- D. Substitutions: Not permitted.
- E. Requests for substitutions will be considered in accordance with provisions of Section 01600.

### 2.2 PREFABRICATED PRESS BOX

- A. Prefabricated press box with no exposed fasteners on building exterior.
  - 1. Press Box Style:
    - a. All standard offerings with optional Camera Deck and available accessories
    - b. (10' wide minimum) Two Tier Interior Seating Levels and available accessories
    - c. (10' wide minimum) Anti-Glare Glazing, Two Tier Interior Seating Levels, Camera Deck and available accessories
    - d. Double Decker – Available in all styles, (Two Tier Seating 10' wide minimum)
    - e. Press box Over Concession Stand – Available in all styles, (Two Tier Seating 10' wide minimum)
  - 2. Camera Deck:



- a. Camera Deck – (standard) Full length, roof top access by hatch and internal ladder. Supplied with standard railings on camera deck platform. PERIMETER FENCE BY OTHERS.
- b. Camera deck - 8' x 12' with roof hatch, internal ladder, and requisite 42" high perimeter railings with cyclone fence to meet 4" sphere criteria.
- c. WP GFI Receptacle(s) at camera deck level.

**\*\* NOTE TO SPECIFIER \*\*** Select the door types required from the following paragraphs and delete those not required.

3. Doors:
  - a. Swinging door(s) 1-3/4 inches (44 mm) thick, tubular-frame design.
    - 1) 36 inch by 84 inch half glass steel swing door.
    - 2) Mortised, laminated bolt type; with push / pull hardware and removable cylinder capable of being master keyed.
    - 3) Commercial grade steel type, single bore lever handle lockset with keyed entry and thumb turn interior.
    - 4) Classroom Lockset with Panic Hardware.
    - 5) Butt hinges.
    - 6) Hydraulic Closer.
    - 7) Full weather-stripping.
    - 8) Aluminum Threshold

**\*\* NOTE TO SPECIFIER \*\*** Select the window types required from the following paragraphs and delete those not required.

4. Windows:
  - a. Glazing:
    - 1) 1/4" inch (6 mm) thick, clear tempered safety glass.
    - 2) 1/2 inch (12 mm) thick, insulated thermal pane, clear tempered safety glass.
  - b. Fixed Windows: Clear tempered safety glass glazed Glass sealed with concealed gasket system (standard).
    - 1) End wall viewing panels for increased field of vision.
  - c. Horizontal Sliding Windows: Shall have aluminum frame with clear tempered safety glass glazed. Windows are equipped with insect screen and locking device (standard).
5. Optional Custom Windows:
  - a. Anti-glare glass (fixed only) virtually eliminates window glare.
  - b. Full width roll up weather proof security shutters to protect against vandalism. Factory installed, manual operation.
  - c. Full width roll up weather proof security shutters to protect against vandalism. Factory installed, motorized.
  - d. Insulated
  - e. Tinted glass
  - f. 1/4" Low-E
  - g. Polycarbonate

**\*\* NOTE TO SPECIFIER \*\*** Select the roof type required from the following paragraphs and delete those not required.

- h. Roof Type:, 1/4-12 PITCH PANELIZED ROOF W/ 3" OVERHANG and 5" high fascia. POLYSTYRENE ROOF -3", 3-PLY:
  - i. The roof shall be 3" thick composite sandwich panels. Both sides shall be stucco-embossed aluminum pre-painted white. The core shall be of 1 lb. density polystyrene foam. The entire panel shall be laminated together using a solvent free two-part polyurethane adhesive and pressure. The panels shall have formed edge connectors that are capable of being friction locked without mechanical fasteners



using a full-length joint without through metal connectors. The joint shall allow lateral expansion and contraction. Gutter and downspouts shall be provided Pressboxes with camera deck

2.3

#### Roof System

- a) Minimum 2x8 rafters 16" on center. Roof to slope a minimum of 1/8" per lineal foot to the module end walls.
- b) Spans over open areas of the floor plan shall be accomplished using either built up plywood or beam systems. Support posts will not obstruct any open work areas in the building.
- c) Roof insulation to be R-19 fiberglass batts.
- d) Roof deck substrate shall be APA Sturd-I-Floor 3/4" tongue and groove (T&G) plywood.
- e) Roof finish is fully adhered black EPDM or TPO type membrane. Roof drain=s into rear gutter and downspout system.
- f) Camera deck areas shall have X-Tred Walkway Pad, a highly specialized UV Resistant pad made from 100% TPO and designed to provide protection from essential rooftop services and traffic while maintaining the integrity of the existing roof surface

#### *Camera deck*

##### IBC 2-RAIL HANDRAIL/GUARDRAIL:

The handrail shall consist of 42" tall 2" x 2" angle uprights with 1-1/2" tubular cross members. Cross members shall be spaced so as to allow a sphere no larger than 21" diameter to pass through any opening. Handrail shall include a 4" tall, 14 Ga. Steel, kick plate. All handrails shall be powder coated black. PERIMETER FENCE BY OTHERS.

##### Bilco® Aluminum Roof Hatch - 36"x30"

Engineered with compression spring operators to provide smooth, easy, one-hand operation. Automatic hold-open arm locks the cover in the open position to ensure safe egress. Overlapping cover design, full welded corners on cover and curb, EPDM rubber gasket, and fully insulated cover and curb ensure weather tightness and energy efficiency. Constructed with corrosion resistant materials to provide many years of trouble free, dependable service. Heavy gauge construction and positive latching mechanism maintain building security.

##### Bilco RL-S Bil-Guard Hatch Railing System - 36" x 30"

*Fixed hatch railing system provides a permanent means of fall protection for roof hatch openings. Meets and exceeds OSHA fall protection regulations (29 CFR 1910.23). For Type S Roof Hatch*

#### *Ships Ladder:*

All ships ladders are made of 2 1/2" x 1/2" steel flat bar side rails with 3/4" rebar steel rungs. All ladders and safety cages are completely welded together and bolt together. Ships ladders are powder coat painted yellow (other colors available).

#### Cage Ladders (over 20' height)

Featuring solid steel construction and a powder coat finish, Panel Built cage ladders are engineered to meet OSHA specifications. Ladders feature a flared entry for easy access and include a steel base mounting bracket.

- j.
- k. 4" Roof Overhang (standard)
  - 1) 6 inch overhang.
  - 2) 9 inch overhang.
  - 3) 12 inch overhang.
  - 4)
6. Entry Platform with Railings: (Requires Site Assembly)



- a. 6' wide by depth of press box and requisite 42" high perimeter railings with cyclone fence to meet 4" sphere criteria.
  - b. Stairs to grade.
  - c. Stairs to last foot board of new or existing bleacher system.
  - d. At completion of fabrication all steel components are to be "Hot Dipped" galvanized to ASTM-A-123 specifications.
  - e.
7. Press Box Support Structure: (Requires Site Assembly)
- a. Structural shapes to meet one of the following ASTM specifications: A36, A36/572 grade 50, A572 grade 50, A529-50, or A500 grade B.
  - b. Shop Connections are to be seal welded.
  - c. At completion of fabrication all steel components are to be "Hot Dipped" galvanized to ASTM-A-123 specifications.

**\*\* NOTE TO SPECIFIER \*\*** Select the size required from the following paragraphs and delete those not required. The maximum shipping width for custom sizes is 16 feet.

- B. Size:
1. 7 feet x 12 feet
  2. 7 feet x 16 feet
  3. 7 feet x 18 feet
  4. 7 feet x 24 feet
  5. 7 feet x 30 feet
  6. 8 feet x 12 feet
  7. 8 feet x 16 feet
  8. 8 feet x 18 feet
  9. 8 feet x 20 feet
  10. 8 feet x 24 feet
  11. 8 feet x 30 feet
  12. 8 feet x 36 feet
  13. 8 feet x 42 feet
  14. 8 feet x 48 feet
  15. 8 feet x 60 feet
  16. 10 feet x 12 feet
  17. 10 feet x 16 feet
  18. 10 feet x 18 feet
  19. 10 feet x 24 feet
  20. 10 feet x 30 feet
  21. 10 feet x 36 feet
  22. 10 feet x 42 feet
  23. 10 feet x 48 feet
  24. 10 feet x 60 feet
  25. As indicated on drawings
  - 26.
- C. Height: Nominal outside height of 100 inches (2540 mm). Interior floor to ceiling height 90 inches (2286 mm) (standard).
1. Frame Construction: Structural Framework: Extruded aluminum alloy 6005T6 with a <br> or <beige painted> finished surface.

D. :

**\*\* NOTE TO SPECIFIER \*\*** Select the finish required from the following paragraphs and delete those not required. Custom colors are available at additional cost.

- E. Base/Floor: Finished floor of 3/16" nonskid aluminum tread plate. Floor is mounted to a 4 inch minimum (102 mm) tube/channel steel base frame (standard).



1. 12" x 12" commercial grade vinyl tile, sub-floor, expanded polystyrene insulation and 24ga galvanized steel underside. (standard)
2. 3/16" nonskid aluminum tread plate
3. 3/16" nonskid aluminum tread plate with expanded polystyrene insulation and 24ga galvanized steel underside.
4. 1/8" nonskid aluminum tread plate with sub-floor, expanded polystyrene insulation and 24ga galvanized steel underside.
5. 18-1/8" x 18-1/8" raised disc rubber tile w/ 4" cove base molding, sub-floor, expanded polystyrene insulation and 24ga galvanized steel underside.
6. 24" x 24" Commercial 1/2" carpet tile with 4" cove base molding, sub-floor, expanded polystyrene insulation and 24ga galvanized steel underside.

Wall Panel:

## 2.2 SYSTEM COMPONENTS

A. Panel Built Inc. modular system shall be constructed from pre-finished materials supplied by Panel Built Inc. Building Systems consisting of the following specific components:

B. Wall Panels: Laminated design consisting of solid core with a pre-finished interior and exterior surface.

1. Wall panels are to be nominal 3" thick by 48" wide by (insert height).  
Standard panel height is 8'-0" up to a maximum height of 24'-0".
2. Core: Expanded polystyrene ASTM E84 Class A fire-resistant, 1 pound PSF density.
3. Panel finish: Interior finish (insert finish), exterior finish (insert finish)
  - a. <Champagne> <Off White> <Gray> 1/8" vinyl covered hardboard.
  - b. <Champagne> <Off White> <Gray> 1/2" vinyl-covered drywall with Class A fire rating in accordance with ASTM E84.
  - c.<Champagne> <Off White> <Gray> 26 gauge painted steel.
  - d. <White> fiberglass reinforced plastic (FRP).

C. Structural Framework: Extruded aluminum alloy 6005T6 with a <bronze> or <beige painted> finished surface.

1. Standard Panel Connecting Post: Consist of a 3-piece design which serves as the connecting device for holding all panels together. These posts also serve as a vertical chase to conceal electrical and data service. A full height Snap-On cover plate is included to allow for easy access during initial installation and to enable future modification without disassembly of wall system. Standard connecting posts are also load-bearing and can be used to create load-bearing and two-story modular buildings.

2. Corner Post: Consist of a 2-piece design which serves as both a structural member and as the connecting device for wall panels at 90 degree angles.

3. Wall Starts: Consist of a 12 gauge steel U-shaped channel to fit flush against existing structure or where two modular panels meet on a perpendicular line. The U-shaped channel is sized to enable standard panel connectors or corner post to positively connect while enabling panel installation on the adjacent side.

4. Ceiling Cap: Extruded aluminum alloy 6005T6 provided in pre-cut, pre-mitered lengths to fit snugly around the top of all perimeter wall sections eliminating on-site fabrication. Integral vertical fascia is included to create a neat, finished appearance.



5. Partition Cap: Extruded U-shaped aluminum alloy 6005T6 provided in pre-cut, pre-mitered lengths to fit snugly around the top of all partition wall sections eliminating on fabrication.

6. Base Plate: Extruded U-shaped aluminum alloy 6005T6 provided in pre-cut, pre-mitered lengths to serve as a leveling surface and guide for installation of wall panels and connecting posts.

F.

**\*\* NOTE TO SPECIFIER \*\*** Select the ceiling type required from the following paragraphs and delete those not required. Delete if not required.

G. Interior Ceiling Panels:

1. 24" x 48" Acoustical Ceiling Tile with typical drop ceiling grid with rolled batt fiberglass insulation. . (standard R-19)
2. 24" x 24" Acoustical Ceiling Tile with typical drop ceiling grid with rolled batt fiberglass insulation.
3. Prefinished steel, 24 gauge painted white with expanded polystyrene core providing a smooth flat interior

**\*\* NOTE TO SPECIFIER \*\*** Select the accessories required from the following paragraphs and delete the items not required.

### 2.3 ACCESSORIES

A. Electrical Power Service: Provide in accordance with NEC Standards.

1. Press box shall be of open construction, allowing the inspection of electrical wiring, switches and other components without destructive disassembly. (standard)
2. 125 amp, 120/240 VAC, single-phase, 3-wire service with 8-16 circuit breaker panel (standard).
3. Use copper wiring in surface mounted 1/2-inch (12.5 mm) minimum EMT conduit (standard).
4. Provide one 120-V GFCI power duplex receptacle every 8' with tester (standard).
5. Wiremold (Optional) Series, one and two piece, multi channel non-metallic surface mounted raceway along front wall, above or below scorer's table, outlets on 4' centers, typical.

B. Indoor Lighting Fixtures:

1. Provide quantity of fixtures required to maintain the following illumination level:

**\*\* NOTE TO SPECIFIER \*\*** Select the lighting levels required from following paragraphs and delete those not required.

- a. 20 foot-candles.
- b. 30 foot-candles.
- c. 50 foot-candles (standard).

**\*\* NOTE TO SPECIFIER \*\*** Select the light fixture(s) required from following paragraphs and delete those not required.

1. Drop ceiling Troffer fixtures. (standard).
  - a. 24" x 24" - 32-W / T-8 lamps.
  - b. 24" x 48" – 32 W / T-8 lamps
2. Ceiling-mounted fluorescent light fixture(s) 48 inches (1200 mm) long with two 32-W / T-8 lamps
3. Hi Abuse Fixture, Linear Fluorescent 40 Watts, Lamp Quantity 2, 120 V. Length 49.38 inches, width 9.25 inches, depth 3.38 inches, white, cold eather.
4. Provide single-pole switch mounted adjacent to door to control lighting fixtures (standard).
5. Exit Signs:



- a. Exit signs shall be clearly marked. In the event of electrical power outage during use or occupancy in the press box, the exit signs will illuminate.
- C. Outdoor Lighting Fixtures:
1. Provide quantity of fixtures required to maintain the following illumination level:
    - a. 20 foot-candles.
    - b. 30 foot-candles.
    - c. 50 foot-candles.
  2. Hi Abuse Fixture, Linear Fluorescent 40 Watts, Lamp Quantity 2, 120 V. Length 49.38 inches, width 9.25 inches, depth 3.38 inches, white, cold weather.
  3. Flood light, Quartz, 500W 120V, White.
  4. Flood light, Quartz, 500W 120V, Bronze.

**\*\* NOTE TO SPECIFIER \*\*** Select the switch required from following paragraphs and delete those not required.

5. Provide single-pole switch mounted adjacent to door to control lighting fixtures.
6. Provide photoelectric controller.

**\*\* NOTE TO SPECIFIER \*\*** Select the heating unit required from following paragraphs and delete those not required.

- D. Heating Unit: Wall-mounted, thermostatically controlled:
1. 110V, 1500W, 5120 Btu, electric heater with fan-forced operation, Enclose heater in enameled steel cabinet (standard).
  2. 230/208V, 13,000/10,000 Btu, electric fan force, surface mounted electric heater.
  - 3.

**\*\* NOTE TO SPECIFIER \*\*** Select the air conditioning/ventilating equipment required from following paragraphs and delete those not required.

- E. Thru-wall Air Conditioning:
1. 9,900 Btu, 110V.
  2. 9,900 Btu, high mount, 110V.
- F. Thru-wall Heating/Air Conditioning:
1. 11,600/11,400 btu with electric heat 230/208V.
- G. Wall Exhaust Fan:
1. Duct diameter 10-3/8 Inches.
  2. Motor 120 V, 1625 RPM, 1.7 amps, with air flow @ 0.000 inch static pressure 480 CFM.
- H. Scorer's Table:
1. Full length, 18" – 24" deep by 3/4" White "Melamine" counter top with drop wire grommets at receptacle locations (standard).
  2. Full length, 18" – 24" deep by 16ga Stainless Steel counter top with drop wire grommets at receptacle locations.
- I. Storage Drawers:
1. Locking storage drawer, workbench mounted, 6-5/8 inches high, 20 inches deep, 17-1/4 inches wide.
  - 2.
- J. Partition Walls with Interior Doors:
1. Partition wall with access door to separate the unit into two or more segmented rooms:
    - a. Home and Away.
    - b. Home, Away and Announcer.
    - c. Home, Away, Announcer and Press.



d. As indicated on drawings

e.

K. Restrooms:

**\*\* NOTE TO SPECIFIER \*\*** Select the restroom package required from following paragraphs and delete those not required.

1. ADA restroom package provided with following items wired and installed:

- a. Lighting with wall switch.
- b. Thru wall exhaust fan.
- c. Heater: Wall mounted electric with fan forced operation, 1500w/5120 BTU, thermostat in enamel coated 20 ga steel cabinet.

**\*\* NOTE TO SPECIFIER \*\*** Note that fixtures are supplied only for installation in the field.

d. Supplied Restroom Fixtures:

- 1) ADA elongated toilet
- 2) ADA wall mounted lavatory
- 3) One 36 inch grab bar
- 4) One 42 inch grab bar
- 5) One Toilet tissue holder

e. Fixtures supplied loose to be installed on site by others. (standard)

f. Fixtures supplied factory installed with plumbing service hook-ups by others in the field.

g.

2. Standard restroom package (non-ADA) provided with following items wired and installed.

- a. Lighting with wall switch
- b. One thru wall exhaust fan
- c. One Heater: shall be wall mounted electric with fan forced operation, 1500w/5120 BTU thermostat in an enamel coated 20 ga steel cabinet.

d.

**\*\* NOTE TO SPECIFIER \*\*** Note that fixtures are supplied only for installation in the field.

3. Supplied Restroom Fixtures:

- 1) ADA elongated toilet
- 2) ADA wall mounted lavatory
- 3) One Toilet tissue holder
- 4)

L. Wet Bar / Kitchenette

1. Counter top, bar sink and base cabinet

a. Over counter wall cabinets

2. Counter top, bar sink, base cabinet with under counter refrigerator

a. Over counter wall cabinets

b. Plumbing fixtures supplied loose to be installed on site by others. (standard)

c. Plumbing fixtures supplied factory installed with plumbing service hook-ups by others in the field.

## 2.4 FABRICATION

A. Fabricate factory built, prefabricated Press Box completely in factory.

B. Preglaze windows and doors at factory.

C. Prewire factory built, prefabricated structures and shelters at factory, ready for connection to service at Project site.

D. Separate dissimilar materials using nonconductive tape, paint, or other material not visible in finished work.



- E. Fabricate factory built, prefabricated structures for crane unloading under base or welded in place concealed lifting lugs at roof that are suitable for placement of the structure on prepared foundations.

**Footnote: "Specification Subject to Change without Notice"**

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