



## Phenolic Locker Specifications

Phenolic Lockers: Athletic, Coaches Executive, Cubby, 1-6 & Z Tier

### a. GENERAL

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- i. Provide Phenolic locker assembly

#### b. SUMMARY

- i. Athletic Edge™ Phenolic Lockers configured:
  1. Phenolic lockers, hardware and accessories
  2. Phenolic cubbies, custom shelving and/or storage unit
  3. Phenolic benches, stools and/or custom seating structures

#### c. SUBMITALS

- i. Product Data: Include construction details, material descriptions, plans, elevations and sections, dimensions of individual components and profiles, and finishes for each type of locker.
- ii. Shop Drawings: Show lockers design details, method of installation, and optional accessories. Include locker numbering sequence information.
- iii. Samples for verification: Submit one full-size locker sample for evaluation. Adherence to the specification is required. Lockers to be supplied by single (US) domestic manufacturer.

#### d. QUALITY ASSURANCE

- i. Uniformity and Single Manufacturer Requirements: Provide each type of phenolic locker as produced by a single manufacturer.
- ii. Installers Qualifications: Lockers to be installed by qualified technicians knowledgeable in commercial construction methods.

#### e. DELIVERY, STORAGE AND HANDLING

- i. Packing and Shipping: Do not deliver phenolic lockers until building is enclosed and ready for locker installation.
- ii. Storage and Protection: Product to remain in manufacturer's packaging until installation. Protect materials and finishes from damage during delivery, handling, storage, and installation.

#### f. WARRANTY

- i. Locker manufacturer shall warrant the product for the lifetime use of the original purchaser from date of shipment. Warranty shall include all defects in material and workmanship, excluding finish, intentional damage, vandalism and improper installation.

**b. PRODUCTS****a. MANUFACTURERS**

- i. Acceptable Manufacturers: Athletic Edge by Pivotal Health Solutions
- ii. No substitutions permitted

**b. PERFORMANCE REQUIREMENTS**

- i. Phenolic Locker Physical Properties
  1. Appearance per NEMA LD3 3.1: No ABC Defects.
  2. Light Resistance per NEMA LD3 3.3: Slight Effect.
  3. Cleanability per NEMA LD3 3.4: 20 maximum.
  4. Stain Resistance per NEMA LD3 3.4: Reagents 1-10 ☐ No Effect, Reagents 11-15 ☐ Moderate Effect.
  5. Boiling Water Resistance per NEMA LD3 3.5: Slight Effect.
  6. High Temperature Resistance per NEMA LD3 3.6: Slight Effect.
  7. Ball Impact Resistance per NEMA LD3 3.8: 1905 mm (75 in) minimum.
  8. Radiant Heat Resistance per NEMA LD3 3.10: 250 minimum.
  9. Wear Resistance (cycles) per NEMA LD3 3.13: 400 minimum.
  10. Flexural Strength per ASTM D790-84a: 146 MPa (ultimate).
  11. Tensile Strength per ASTM D638-84: 136 MPa (ultimate).
  12. Bond Strength per ASTM D952-8: 100 MPa.
  13. Bearing Strength per ASTM D953-84a: 113 MPa.

**c. LOCKER FABRICATION**

- i. Locker Body Construction
  1. Mortise and tenon joint construction. Tops, bottoms and shelves used mortised joints and are secured using mechanical fasteners.
  2. All exposed edges and corners of material will have eased edges to remove sharpness.
  3. All mechanical fasteners, hinges, hooks and hasp lock are to be stainless steel.
  4. Material panel edges will be black unless Color Core material specified.
  5. Door Fastening: Blind fastening unless through bolts are requested.
  6. Interior Locker Color: Formica 1573-60 Frosty White unless other color specified.
- ii. Material Thickness
  1. Doors, Seats, End Panels, Filler Panels, Sloped Top and Ancillary Panels to be made from 1/2 inch (13 mm) thick solid phenolic composite material.
  2. Tops, Bottoms and Intermediate Shelves to be made from 3/8 inch (9.5 mm) thick solid phenolic composite material with ventilation holes.
  3. Sides and backs of locker to be made from 5/6 inch (8 mm) thick solid phenolic composite material.
  4. Wall mounting cleats to be made from 1/2 inch (13 mm) thick solid phenolic.
- iii. Ventilation
  1. Vertical Ventilation: Six 1/4-inch (6.35 mm) diameter ventilation holes on tops, bottoms, and intermediate shelves. Three 1/4-inch (6.35 mm) diameter ventilation holes on the "Z" Tier Locker intermediary shelves.
  2. Horizontal ventilation: Ventilation around edge of door equal to 1.43 sq. inch (922.6 sq. mm) of ventilation surface area per linear foot of door perimeter.

3. Ventilation options: Additional door ventilation can be selected to add 1/4-inch (6.35mm) holes drilled into a horizontal or vertical pattern. 50 to 100% additional ventilation.

iv. Hardware

1. Fasteners: Stainless Steel, Concealed and/or Through bolt door.
2. Door Hinges: Concealed ADA five knuckle butt hinge, 180 degrees stainless steel barrel hinge, two hinges for doors up to and including 36 inches (914 mm) tall, three hinges for doors greater than 36 inches (914 mm) tall.
3. Interior Side Hooks: Stainless steel, one per opening for openings up to 30 inches (762 mm) tall, two per opening for openings 30 inches (762 mm) tall or greater.
4. Hasp Plate and Tab: Stainless Steel

v. Accessories & Options

1. Locks: Choose from one of the following. Default is stainless steel hasp bar for customer supplied padlock, stainless steel hasp bar for customer supplied padlock, built in combination lock, built in key lock, built in digital day use lock, built in digital assigned use lock, built in mechanical day use lock, built in mechanical assigned use lock.
2. Coat Rod: Stainless steel. Installed in locker openings greater than 30 inches (762 mm) high and 18 inches (457 mm) deep.
3. Door Magnets: Latch height to keep doors closed when not locked.
4. Fascia Panels: 1/2" (13 mm) thick by 4 inches tall front fascia panels, color to match lockers.
5. Side Panels: 1/2" (13 mm) thick material to cover side of locker, color to match lockers.
6. Flat Top: 1/2" (13 mm) thick material, color to match lockers.
7. Sloped Top: 1/2" (13 mm) thick material, color to match lockers, 20 degrees rise from front to back.

**c. EXECUTION**

a. EXAMINATION

- i. Do not begin installation until substrates have been properly prepared.
- ii. Verify that field dimensions are in accordance with Locker Shop Drawings. Inspect walls to ensure that they are plumb and suitable for the Wall Brackets.
- iii. Check location of built-up bases, built in framing or blocking, and wall openings to ensure that they comply with the approved Locker Shop Drawings.
- iv. If substrate preparation is the responsibility of another installer, notify Architect of unsatisfactory preparation before proceeding.

b. PREPARATION

- i. Clean surfaces thoroughly prior to installation.
- ii. Prepare surfaces using the methods recommended by the manufacturer for achieving the best result for the substrate under the project conditions.

c. INSTALLATION

- i. Wall and/or Floor Installation.
  1. Do not install lockers until bases are properly constructed and leveled.
  2. Securely anchor every locker to wall and/or floor before use. Installation hardware to be determined based upon wall/floor construction.

3. Join adjacent locker units by bolting at four points, three in front and one at the back of the locker, using the hardware sent with the lockers.
- d. ADJUSTING
    - i. General Requirements: Upon completion of installation, inspect lockers and adjust for proper door and locking mechanism operation.
    - ii. Lubricate door hinges and locks per manufacturer's instructions.
  - e. CLEANING & PROTECTION
    - i. Clean all exposed surfaces of lockers and hardware and touch-up, repair or replace damaged products before Substantial Completion. Do not use abrasive cleaners.
    - ii. Protect installed products until completion of project.
    - iii. Clean using a damp, non-abrasive cotton cloth and a mild liquid detergent or household cleaner.
    - iv. Dry the surface with a soft, clean, non-abrasive cotton cloth.