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SECTION 10 5120 – PHENOLIC LOCKERS

PART 1 GENERAL

Specifier Notes: This product specification must be reviewed and edited carefully to meet the requirements of the project, building codes and for product selections.

1.01 SECTION INCLUDES

Specifier Notes: FOREMAN® Locker Systems offer a high performance alternative to MDF or plastic lockers. Based on a unique German construction design, the structural strength of HPL phenolic is leveraged by aluminum extrusions (“profiles”) at each corner of the locker” to create an extremely strong, completely water and corrosion-proof phenolic locker that saves material and expense to the owner both in acquisition and maintenance. The exceedingly long service life makes the product naturally sustainable.

- A. Foreman Locker Systems Phenolic Lockers
- B. Foreman Locker Systems Phenolic Integrated Benches
- C. Foreman Floor Mounted Pedestal Phenolic Benches
- D. Foreman Free-standing Phenolic Benches (FF&E)

1.02 SUBMITTALS

- A. Submit under provisions of Section 01 300.
- B. Shop Drawings: Submit shop drawings indicating size, dimensions, material thickness, trim, hardware, furnishings, doors, bases, locks and installation details.
- C. Product Data: Submit manufacturer’s technical data sheets for materials, fabrications, furnishings, fasteners, and hardware.
- D. Maintenance Information- refer to Compact™ Structural Laminates by Formica Group Technical Data
- E. Samples: Submit sample of phenolic patterns and colors.

1.03 QUALITY ASSURANCE

Specifier Notes: FOREMAN® Lockers can be assembled by trained staff. Foreman can provide a representative to train your installation team. Delete options not selected.

- A. Manufacturer shall have a minimum of 5 years experience in fabrications of phenolic materials under Section 10 5129.
- B. Installer shall be approved by the manufacturer and have not less than 5 years experience in the installation of modular phenolic locker systems.
- C. Manufacturer shall provide a representative to supervise installation.
- D. Manufacturer shall provide a representative to train staff in installation

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- E. Manufacturer to provide bid for factory installation.

1.04 DELIVERY, STORAGE, AND HANDLING

- A. Deliver and store materials in manufacturer's original packaging until ready for installation.
- B. Compact sheets should be stored horizontally, with a caul board or other protective sheet placed on top to protect the material from possible damage. The material should be protected from moisture, and should never be stored in contact with the floor or an outside wall. Optimum conditions for storage are approximately 75°F (24°C), and 45% to 55% relative humidity.

1.05 COORDINATION

- A. Field Measurements: Accurate field measurements are required for shop drawings, fabrication and installation of lockers and accessories.
- B. Coordinate manufacturing and delivery schedules to minimize installation delays.

1.06 WARRANTY

FOREMAN® Products, LLC warrants its products to be free of defects in workmanship for a period of five (5) years from the date of purchase when properly shipped, stored, handled, installed and maintained under normal use. FOREMAN® further warrants the hinges integrated into the aluminum extrusions (profiles) for 7 years. FOREMAN® Locker Systems conforms to phenolic panel manufacturer's storage, handling, fabrication and installation requirements and specifications. In the unlikely event of the manifestation of any such conditions during the warranty period, the exclusive remedy available shall be the repair or replacement, at the manufacturer's sole discretion, of only the particular item or component exhibiting the condition with an item or component of similar size, color and/or grade (colors subject to dye lot variations). FOREMAN® makes no implied warranty of product's suitability for any particular purpose. Due to the variety of uses, applications and locations of the product, the determination of the suitability for any particular use of applications is the sole responsibility of the user. FOREMAN® disclaims any liability for incidental or consequential damages.

PART 2 PRODUCTS

2.01 MANUFACTURERS

- A. Specifications based on modular, knock-down lockers constructed of solid phenolic panels, aluminum extrusions (profiles), integrated hinges and strikes, and stainless steel hardware.
- B. Manufacturer:

FOREMAN® Products, LLC
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Murrieta, CA 92562
Phone 951-677-1955
Email: info@foremanproducts.com

2.02 MATERIALS

Specifier Notes: Foreman uses Formica® brand Compact™ solid phenolic for its lockers. FOREMAN® can source phenolic materials from other manufacturers if required. Contact a Foreman representative for information on pricing and delivery times.

- A. Panel material shall be constructed of phenolic treated kraft papers combined with Melamine-impregnated decorative surface papers, consolidated in a press at high temperatures.

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Specifier Notes: Our standard materials have a fire test rating of ASTMA E-84 Class B. Class A phenolic materials can be special ordered. Please contact our sales staff for information on pricing and lead times. Please delete option not chosen.

1. Acceptable Product: Compact™ by Formica Group, Cincinnati, Ohio, or equivalent.
2. Acceptable Product: Wilsonart Compact Laminate MC-BC0525, or equivalent
3. Phenolic panel materials shall have a fire test rating of ASTMA E-84 Class B (standard)
4. Phenolic panel materials shall have a fire test rating of ASTMA E-84 Class A (Optional Premium).
5. Panel types:
 - a. Doors shall be made of 0.3750 inch (9.53 mm) thickness solid phenolic material, radius edges and polished smooth on exposed edges.
 - b. Bottoms, tops and shelves shall be 0.3750 inch (9.53 mm) thickness solid phenolic material, radius edged and polished smooth.
 - c. Interior back and sides panels shall be 0.1250 inch (3.18 mm) thickness solid phenolic material
 - d. Exterior finish end panels and filler panels shall be 0.3750 inch (9.53 mm) thickness solid phenolic material, radius edges and polished smooth
 - e. Finish filler panels shall be 0.3750 inch (9.53 mm) thickness solid phenolic material.

B. PROFILES

Specifier notes: FOREMAN uses aluminum extrusions (profiles). through-bolted to the phenolic bottom and top panels of the locker to create the "body" or "frame" of the cabinet, allowing the use of thinner phenolic material for the walls and backs and creating segmental modularity. This construction saves material, space and weight while maintaining or exceeding the overall performance characteristic of conventional phenolic lockers. Custom finishes and colors are available. Contact company representative for information. Delete custom finish and custom color if not selected.

1. Profiles shall be aircraft grade aluminum extrusions.
2. Profile shall be 26mm diameter; wall and inner members 3 mm thick, panel slots 10 mm capture depth.
3. Profile standard finish: gray, powder coated polyester-epoxy single coat with an integral gloss finish.
4. Custom finish (premium): _____
5. Custom color (premium): _____

Specifier Notes: FOREMAN® door hinges and strikes are integrated directly into the profiles, not screwed in the substrate, increasing the security performance. Hinge wings are continuous for the length of the profile and the door wings are bolted through the door material for additional strength and security.

C. Hardware

6. Hinges
 - a. Hinges shall be made of 3.5 mm thickness extruded aluminum
 - b. Frame wing shall be extruded aluminum continuous with length of the door openings and sealed with a plastic insert.
 - c. Continuous nylon hinge pin secured by top and bottom set screws.
 - d. Door wing fastened with through-bolts to door panels
7. Latch/ Hasp (optional) shall be made of anodized heavy duty cast aluminum with a 10 mm padlocking hole.
8. Strike Plates shall be:
 - a. 3.5 mm thickness extruded aluminum,
 - b. Integrated into the profile and continuous with length of the door opening.

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9. Hanging 3-pronged swivel hook to be polished aluminum, diameter 53mm x 53mm x 55mm, attached with 3 fasteners (one and two compartment lockers only).
10. Fasteners shall be stainless steel

Specifier Notes: Foreman lockers are leg mount (standard). Foreman lockers may be curb mounted. Please select base option

D. Bases-

1. Extruded aluminum legs , 200 mm (7.87) inch legs with 25 mm (1.0 inch) adjustment range, plastic foot
2. Optional 100 mm (3.9 inches) aluminum legs with 25mm (1.0 inch) adjustment range.
3. Curb mounting: Bases not furnished. Curb mounting or bases by others

Specifier Notes: Select options from the list below and delete those not required. Contact our representative for assistance.

E. Optional Accessories

1. Interior top/hat shelf with hanging 3 prong hook. (Single compartment lockers only)
2. Interior top/hat shelf with hanging clothes bar. (Single compartment lockers only)
3. Interior bottom shelf (Single compartment lockers only)
4. Integrated bench. (refer to Section 2.03)

F. Lock Systems

Specifier Notes: Select lock after consulting with manufacture's rep. FOREMAN® offers a wide range of locking options. Standard plastic number plate is included in price.

1. Gantner Technologies.
2. Ojmar
3. Digilock
4. Real Locks
5. OEM latch/hasp
6. CompX-Regulator
7. Digilock
8. FJM Combi-Cam & Combi-cam E
9. Kitlocks
10. Zephyr
11. Keyless

G. Numbering Plates

1. Brushed aluminum
2. Metal Inset
3. Black numbers

Specifier Notes: Foreman® offers a full range of colors, patterns, wood grains and custom graphics. See 2.02 Materials for alternatives. Contact Foreman for color sample, lead times and pricing.

H. Locker Colors

1. All panels have black cores (standard).
2. Interior panels: white.
3. Interior panels: black.
4. Door panels, finish end panels, filler panels: _____

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Specifier Notes: Foreman standard sizes are metric. US imperial dimensions are available. Custom dimensions are available. Select locker sizes and configurations based on plans. See Product Data Sheets (www.foremanlockers.com/data/spec.) for standard dimensions and configurations. Contact FOREMAN® for shop drawings and additional assistance as needed.

A. Sizes

1. Height minus leg for curb mount: 1800mm (70.87 inches)
2. Height with leg: 2000mm (78.74 inches)
3. Width 305mm (12 inches)
4. Width 381mm (15 inches)
5. Depth 504mm (20 inches) see notes

B. Configurations:

1. One tier
2. Two tier
3. Three tier
4. Four tier
5. Five tier
6. Six tier
7. Euro Z-lockers
8. US Z-Locker
9. Athletic (Team) Lockers

2.04 BENCHES

Specifier Notes: FOREMAN® integrated benches are available on one and two compartment locker configurations and Z-Lockers. The bench is supported by solid phenolic corbels (braces) attached to each front profile eliminating the need for additional legs. The design provides durability and eliminates items from falling out of the lockers. Delete if not selected.

A. Integrated Benches.

1. Bench shall be made of 0.375 inch (10mm) thickness solid phenolic material supported by 0.375 inch (10mm) solid phenolic brackets.
2. Support brackets attached to profile hinge by 7 mm zinc plated bolt and acorn bolt
3. Support brackets attached to every front profile.
4. Bench is secured to support bracket with a zinc plated L-bracket
5. Bench dimensions are 305mm (12 inches) deep, length of locker configuration and attached 250mm (9.54 inches) above bottom of locker body (minus leg or curb height) for the length of locker section.

Specifier Notes: Please see our full selection of benches on our website or contact a representative for assistance.

PART 3 EXECUTION

3.02 EXAMINATION

- A. Examine installation site for satisfactory preparation. Notify architect of unacceptable preparation or conditions
- B. Do not install lockers until unacceptable conditions are corrected.

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3 .03 INSTALLATION

- A. Install lockers in accordance with manufacturer's instructions.
- B. Install lockers in accordance with manufacturer's instructions for plumb, level, rigid, flush and square.
- C. Anchor lockers according to manufacturer's instructions.
- D. Install lockers on base specified in shop drawings.
- E. Install required filler and finish panels according to shop drawings.
- F. Attach number plates per specs.
- G. Install locking mechanisms according to manufacturer's instructions.
- H. Clean lockers, adjust doors and locks, and remove installation tools and materials.

END OF SECTION