SECTION 10 51 29

PHENOLIC LOCKERS AND BENCHES

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\*\* NOTE TO SPECIFIER \*\* Summit Lockers Incorporated, phenolic athletic lockers and benches.
This section is based on the products of Summit Lockers Incorporated which is located at:
138 McLeod Rd.
Columbia, SC 29203
Toll Free: 888-310-7149
Tel: 803-403-8816
Fax: 877-828-2142
Email: info@summitlockers.com
Web: www.summitlockers.com
[ HYPERLINK "http://www.arcat.com/arcatcos/cos9547/arc47246.html"Click Here ] for additional information.
30 plus years experience in the industry.
While based in Columbia, South Carolina, Summit Lockers has established an ever-growing list client with sales expanding nationwide. Our company believes in maintaining positive, beneficial relationships with our clients to deliver the best customer service possible. From the initial sale to the final installation, we assist our clients throughout the project.
How do we make quality products?
We utilize quality materials and innovative manufacturing techniques, to build the most durable lockers for our clients. Our designs can withstand high impact environments and the wear from everyday use. Custom designs are available from our dedicated design team. Specifications and cut sheets are available as resources.

1. GENERAL
	1. SECTION INCLUDES

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

* + 1. Phenolic lockers, hardware and accessories.
		2. Phenolic pedestal benches.
		3. Phenolic cubbies.
	1. RELATED SECTIONS

\*\* NOTE TO SPECIFIER \*\* Delete any sections below not relevant to this project; add others as required.

* + 1. Section 06 10 00 - Rough Carpentry.
		2. Section 09 21 16.33 - Gypsum Board Area Separation Wall Assemblies.
	1. REFERENCES

\*\* NOTE TO SPECIFIER \*\* Delete references from the list below that are not actually required by the text of the edited section.

* + 1. ASTM International (ASTM):
			1. ASTM D 638 - Standard Test Method for Tensile Properties of Plastics.
			2. ASTM D 790 - Standard Test Method for Flexural Properties of Unreinforced and Reinforced Plastics and Electrical Insulating Materials.
			3. ASTM E 84 - Standard Test Method for Surface Burning Characteristics of Building Material.
		2. EN 438-2 - High-pressure decorative laminates (HPL) - Sheets based on thermosetting resins (usually called laminates) - Part 2: Determination of properties.
		3. NEMA LD-3 - Standard Test, Chemical Resistance, Modulus of Elasticity, Shear Strength and Compression Strength.
		4. U.S. Green Building Council (USGBC), LEED Green Building Rating System for New Construction.
		5. ADA - Americans with Disabilities (ADA) Standards for Accessible Design.
	1. SUBMITTALS
		1. Submit under provisions of Section 01 30 00 - Administrative Requirements.
		2. Product Data: Manufacturer's data sheets on each product to be used, including:
			1. Detailed technical data for materials, fabrication, and installation, including anchors, hardware, fasteners, and accessories.
			2. Storage and handling requirements and recommendations.
			3. Installation instructions.
		3. Shop Drawings:
			1. Dimensioned plans detailing layout of lockers, cubbies and benches.
				1. Elevations sections, numbering, colors, details, and anchorages/ attachments to other work.
			2. Details of anchoring components and methods for project conditions.
				1. Identify components required for installation, but not supplied by locker manufacturer.
		4. Verification Samples: For each finish product specified, two samples, minimum size 6 inches (150 mm) square, representing actual product, color, and finish.
		5. Manufacturer's Certificates: Certify products meet or exceed specified requirements.

\*\* NOTE TO SPECIFIER \*\* Delete the following paragraphs if LEED not applicable or delete all if LEED credits are not required.

* + 1. LEED Product Data for Credit MR 4.1 and MR 4.2: For products having recycled content, documentation including percentages by weight of post consumer and preconsumer recycled content.
		2. LEED Product Data for Credit EQ 4.1: For adhesives used to laminate gypsum board panels to substrates, including printed statement of VOC content.
		3. LEED Product Data for Credit MR 5.1 and Credit MR 5.2: Submit data, including location and distance from Project of material manufacturer and point of extraction, harvest or recovery for main raw material.
		4. Closeout Submittals: Provide manufacturer's executed warranty and manufacturer's maintenance instructions that include recommendations for periodic cleaning and maintenance of all components.
	1. QUALITY ASSURANCE
		1. Manufacturer Qualifications: Manufacturer shall have been in the business of manufacturing phenolic lockers for a minimum of five years.
		2. Installer Qualifications: Installers shall be certified by the manufacturer of the lockers being used on this project.

\*\* NOTE TO SPECIFIER \*\* Include a mock-up if the project size and/or quality warrant taking such a precaution. The following is one example of how a mock-up on a large project might be specified. When deciding on the extent of the mock-up, consider all the major different types of work on the project.

* + 1. Mock-Up: Provide a mock-up for evaluation of surface preparation techniques and application workmanship.
			1. Finish areas designated by Architect.
			2. Do not proceed with remaining work until workmanship, color, and sheen are approved by Architect.
			3. Refinish mock-up area as required to produce acceptable work.
	1. DELIVERY, STORAGE, AND HANDLING
		1. Deliver and store products in manufacturer's original unopened packaging in accordance with manufacturer's instructions until ready for installation.
		2. Store materials indoors, protected from the elements and construction hazards.
		3. Handle materials in a manner that will protect the finished product.
	2. SEQUENCING
		1. Ensure that locating templates and other information required for installation of products of this section are furnished to affected trades in time to prevent interruption of construction progress.
		2. Ensure that products of this section are supplied to affected trades in time to prevent interruption of construction progress.
	3. PROJECT CONDITIONS
		1. Field Measurements:
			1. Verify dimensions for installation by field measurements prior to fabrication and indicate measurements on Shop Drawings.
			2. If field measurements cannot be made without delaying the Work, establish dimensions and fabricate units without field measurements. Coordinate supports, adjacent construction, and fixture locations to ensure actual dimensions correspond to established dimensions.
		2. Maintain environmental conditions (temperature, humidity, and ventilation) within limits recommended by manufacturer for optimum results. Do not install products under environmental conditions outside manufacturer's recommended limits.
	4. WARRANTY
		1. Provide manufacturer's 20 year written limited warranty against breakage, corrosion, delamination and defects in workmanship and material. Warranties are to be signed by an authorized manufacturer representative.
1. PRODUCTS
	1. MANUFACTURERS
		1. Acceptable Manufacturer: Summit Lockers, which is located at: 138 McLeod Rd.; Columbia, SC 29203; Toll Free Tel: 888-310-7149; Tel: 803-403-8816; Fax: 877-828-2142; Email: [request info (mark@summitlockers.com)](http://admin.arcat.com/users.pl?action=UserEmail&company=Summit+Lockers&coid=47246&rep=&fax=877-828-2142&message=RE:%20Spec%20Question%20(10501sum):%20%20&mf=); Web: [www.summitlockers.com](http://www.summitlockers.com)

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

* + 1. Substitutions: Not permitted.
		2. Requests for substitutions will be considered in accordance with provisions of Section 01 60 00 - Product Requirements.
	1. PERFORMANCE REQUIREMENTS
		1. Physical Properties, Phenolic Lockers:
			1. Scratch Resistance per EN438-2:25: 4 or better.
			2. Impact Resistance per EN438-2:21: Indentation diameter of 0 from a height of 1800 mm.
			3. Resistance to Water Vapor per EN438-2:14: 3 or better.
			4. Screw Holding Strength: Withstand a direct pull force exceeding 500 pounds at 1/4 inch of material.
			5. Tensile Strength per ASTM D 638: Minimum 145 Mpa.
			6. Flexural Strength per ASTM D790: Minimum 82.7 Mpa.
			7. Light Resistance per NEMA 3.3: Slight effect.
			8. Cleanability per NEMA 3.4: 20.
			9. Accessibility Requirements: Comply with ADA and authorities having jurisdiction.

\*\* NOTE TO SPECIFIER \*\* Delete article if not required.

* 1. PHENOLIC LOCKERS
		1. Provide the following configurations to the overall dimension as indicated on the Drawings.

\*\* NOTE TO SPECIFIER \*\* Delete locker types not required.

* + - 1. Lockers: One Tier. Full overlay doors.

\*\* NOTE TO SPECIFIER \*\* Delete height options not required.

* + - * 1. Height: 24 in (610 mm).
				2. Height: 36 in (914 mm).
				3. Height: 48 in (1219 mm).
				4. Height: 60 in (1524 mm).
				5. Height: 72 in (1829 mm).
				6. Height: 84 in (2134 mm).
				7. Height: 96 in (2438 mm).

\*\* NOTE TO SPECIFIER \*\* Delete width options not required.

* + - * 1. Width: 9 in (229 mm).
				2. Width: 12 in (305 mm).
				3. Width: 15 in (381 mm).
				4. Width: 18 in (457 mm).
				5. Width: 20 in (508 mm).

\*\* NOTE TO SPECIFIER \*\* Delete depth options not required.

* + - * 1. Depth: 12 in (305 mm).
				2. Depth: 15 in (381 mm).
				3. Depth: 18 in (457 mm).
				4. Depth: 20 in (508 mm).
			1. Lockers: Two Tier. Full overlay doors.

\*\* NOTE TO SPECIFIER \*\* Delete height options not required.

* + - * 1. Height: 24 in (610 mm).
				2. Height: 36 in (914 mm).
				3. Height: 48 in (1219 mm).
				4. Height: 60 in (1524 mm).
				5. Height: 72 in (1829 mm).
				6. Height: 84 in (2134 mm).
				7. Height: 96 in (2438 mm).

\*\* NOTE TO SPECIFIER \*\* Delete width options not required.

* + - * 1. Width: 9 in (229 mm).
				2. Width: 12 in (305 mm).
				3. Width: 15 in (381 mm).
				4. Width: 18 in (457 mm).
				5. Width: 20 in (508 mm).

\*\* NOTE TO SPECIFIER \*\* Delete depth options not required.

* + - * 1. Depth: 12 in (305 mm).
				2. Depth: 15 in (381 mm).
				3. Depth: 18 in (457 mm).
				4. Depth: 20 in (508 mm).
			1. Lockers: Three Tier. Full overlay doors.

\*\* NOTE TO SPECIFIER \*\* Delete height options not required.

* + - * 1. Height: 24 in (610 mm).
				2. Height: 36 in (914 mm).
				3. Height: 48 in (1219 mm).
				4. Height: 60 in (1524 mm).
				5. Height: 72 in (1829 mm).
				6. Height: 84 in (2134 mm).
				7. Height: 96 in (2438 mm).

\*\* NOTE TO SPECIFIER \*\* Delete width options not required.

* + - * 1. Width: 9 in (229 mm).
				2. Width: 12 in (305 mm).
				3. Width: 15 in (381 mm).
				4. Width: 18 in (457 mm).
				5. Width: 20 in (508 mm).

\*\* NOTE TO SPECIFIER \*\* Delete depth options not required.

* + - * 1. Depth: 12 in (305 mm).
				2. Depth: 15 in (381 mm).
				3. Depth: 18 in (457 mm).
				4. Depth: 20 in (508 mm).
			1. Lockers: Four Tier. Full overlay doors.

\*\* NOTE TO SPECIFIER \*\* Delete height options not required.

* + - * 1. Height: 36 in (914 mm).
				2. Height: 48 in (1219 mm).
				3. Height: 60 in (1524 mm).
				4. Height: 72 in (1829 mm).
				5. Height: 84 in (2134 mm).
				6. Height: 96 in (2438 mm).

\*\* NOTE TO SPECIFIER \*\* Delete width options not required.

* + - * 1. Width: 9 in (229 mm).
				2. Width: 12 in (305 mm).
				3. Width: 15 in (381 mm).
				4. Width: 18 in (457 mm).
				5. Width: 20 in (508 mm).

\*\* NOTE TO SPECIFIER \*\* Delete depth options not required.

* + - * 1. Depth: 12 in (305 mm).
				2. Depth: 15 in (381 mm).
				3. Depth: 18 in (457 mm).
				4. Depth: 20 in (508 mm).
			1. Lockers: Five Tier. Full overlay doors.

\*\* NOTE TO SPECIFIER \*\* Delete height options not required.

* + - * 1. Height: 48 in (1219 mm).
				2. Height: 60 in (1524 mm).
				3. Height: 72 in (1829 mm).
				4. Height: 84 in (2134 mm).
				5. Height: 96 in (2438 mm).

\*\* NOTE TO SPECIFIER \*\* Delete width options not required.

* + - * 1. Width: 9 in (229 mm).
				2. Width: 12 in (305 mm).
				3. Width: 15 in (381 mm).
				4. Width: 18 in (457 mm).
				5. Width: 20 in (508 mm).

\*\* NOTE TO SPECIFIER \*\* Delete depth options not required.

* + - * 1. Depth: 12 in (305 mm).
				2. Depth: 15 in (381 mm).
				3. Depth: 18 in (457 mm).
				4. Depth: 20 in (508 mm).
			1. Lockers: Six Tier. Full overlay doors.

\*\* NOTE TO SPECIFIER \*\* Delete height options not required.

* + - * 1. Height: 48 in (1219 mm).
				2. Height: 60 in (1524 mm).
				3. Height: 72 in (1829 mm).
				4. Height: 84 in (2134 mm).
				5. Height: 96 in (2438 mm).

\*\* NOTE TO SPECIFIER \*\* Delete width options not required.

* + - * 1. Width: 9 in (229 mm).
				2. Width: 12 in (305 mm).
				3. Width: 15 in (381 mm).
				4. Width: 18 in (457 mm).
				5. Width: 20 in (508 mm).

\*\* NOTE TO SPECIFIER \*\* Delete depth options not required.

* + - * 1. Depth: 12 in (305 mm).
				2. Depth: 15 in (381 mm).
				3. Depth: 18 in (457 mm).
				4. Depth: 20 in (508 mm).
			1. Lockers: Z Tier. Full overlay doors.

\*\* NOTE TO SPECIFIER \*\* Delete height options not required.

* + - * 1. Height: 48 in (1219 mm).
				2. Height: 60 in (1524 mm).
				3. Height: 72 in (1829 mm).
				4. Height: 84 in (2134 mm).
				5. Height: 96 in (2438 mm).

\*\* NOTE TO SPECIFIER \*\* Delete width options not required.

* + - * 1. Width: 9 in (229 mm).
				2. Width: 12 in (305 mm).
				3. Width: 15 in (381 mm).
				4. Width: 18 in (457 mm).
				5. Width: 20 in (508 mm).

\*\* NOTE TO SPECIFIER \*\* Delete depth options not required.

* + - * 1. Depth: 12 in (305 mm).
				2. Depth: 15 in (381 mm).
				3. Depth: 18 in (457 mm).
				4. Depth: 20 in (508 mm).
			1. Athletic Lockers:

\*\* NOTE TO SPECIFIER \*\* Delete dimension option not required.

* + - * 1. Dimensions (in/mm): \_\_\_\_\_\_.
				2. Dimensions: As detailed on the Drawings.

\*\* NOTE TO SPECIFIER \*\* Delete under seat configuration options not required.

* + - * 1. Under-Seat Configuration: Open
				2. Under-Seat Configuration: Pull out drawer
				3. Under-Seat Configuration: Lift seat with under seat storage, and lockable hasp.

\*\* NOTE TO SPECIFIER \*\* Delete top compartment options not required.

* + - * 1. Top Compartment: Open.

Charging station.

* + - * 1. Top Compartment: Partial lockable

Charging station.

* + - * 1. Top Compartment: Full width lockablecharging station.

Charging station.

\*\* NOTE TO SPECIFIER \*\* Optional. Delete if not required.

* + - * 1. Additional Storage: Combine athletic lockers with storage and/or coat lockers.
		1. Panel Material:
			1. Decorative papers impregnated with melamine resin on faces with a clear protective overcoat; integrally compression molded within a core consisting of solid phenolic impregnated kraft papers.

\*\* NOTE TO SPECIFIER \*\* Delete fire resistance option not required. Class B is standard. Delete both if fire resistance is not required.

* + - 1. Fire Rating: Core or panel material meeting fire Class B resistance per ASTM E84.
			2. Fire Rating: Core or panel material meeting fire Class A resistance per ASTM E84.

\*\* NOTE TO SPECIFIER \*\* Select either standard or Solicor Phenolic. Delete option not required.

* + - 1. Standard Phenolic:

\*\* NOTE TO SPECIFIER \*\* Delete color options not required. Custom colors are possible. Contact manufacturer for more details.

* + - * 1. Color: Colombian Walnut.
				2. Color: Tuscan Walnut.
				3. Color: Solar Oak.
				4. Color: Fusion Maple.
				5. Color: Biltmore Cherry.
				6. Color: Windsor Mahogany.
				7. Color: 5th Ave Elm.
				8. Color: Skyline Walnut.
				9. Color: Park Elm.
				10. Color: Loft Oak.
				11. Color: High Line.
				12. Color: Fonthill Pear.
				13. Color: Evening Tigris.
				14. Color: Classic Linen.
				15. Color: Almond Leather.
				16. Color: Woolamai Brush.
				17. Color: Cloud Nebula.
				18. Color: Desert Zephyr.
				19. Color: Pewter Mesh.
				20. Color: Natural Almond.
				21. Color: Navy Legacy.
				22. Color: Black.
				23. Color: Graphite Nebula.
				24. Color: Orange Grove.
				25. Color: Dove Grey.
				26. Color: Fashion Grey.
				27. Color: Frosty White.
				28. Color: Indigo.
				29. Color: Wallaby.
				30. Color: Port.
				31. Color: As determined by the Architect from manufacturer's selection.
			1. Solicor Phenolic:

\*\* NOTE TO SPECIFIER \*\* Delete color options not required. Custom colors are possible. Contact manufacturer for more details.

* + - * 1. Color: Dove Grey (Grey Core).
				2. Color: Silver Oak Ply (Grey Core).
				3. Color: Silver Alchemy (Grey Core).
				4. Color: Pressed Linen (Grey Core).
				5. Color: Pearl Soapstone (Grey Core).
				6. Color: Natural Almond (Almond Core).
				7. Color: Light Oak Ply (Almond Core).
				8. Color: Field Elm (Almond Core).
				9. Color: Flax Linen (Almond Core).
				10. Color: Calacatta Oro (Almond Core).
				11. Color: Khaki Brown (Khaki Core).
				12. Color: High Line (Khaki Core).
				13. Color: Park Elm (Khaki Core).
				14. Color: Phantom Ecru (Khaki Core).
				15. Color: Tan Soapstone (Khaki Core).
				16. Color: Designer White (White Core).
				17. Color: Calcutta Marble (White Core).
				18. Color: Linen (White Core).
				19. Color: Black (Black Core).
				20. Color: As determined by the Architect from manufacturer's selection.

\*\* NOTE TO SPECIFIER \*\* Different material thicknesses are possible. Contact manufacturer for more details.

* + 1. Locker Body Construction:
			1. Doors, End Panels, Filler Panels, Sloped Top, and Ancillary Panels:
				1. Material: 1/2 in (13 mm) thick solid phenolic composite material.
				2. Interior Locker Colors: Wilsonart 1573-60 Frosty White.
				3. Corners: Eased edges.
				4. Door Fastening: Blind fastening unless through bolts are requested.
				5. Panel Edges: Phenolic panel edges are black.
				6. Joint Construction: Mortise and tenon. Tops, bottoms and shelves use mortised joints and are secured with mechanical fasteners.
				7. Exposed Edges: Straight profile; eased edges to remove sharpness; machine polished and free from tooling imperfections.
				8. Tops, Bottoms, and Intermediate Shelves: 3/8 in (9.5 mm) thick solid phenolic composite material with ventilation holes.
				9. Locker Sides and Backs: 5/16 in (8 mm) thick solid phenolic composite material.

\*\* NOTE TO SPECIFIER \*\* Delete athletic locker side options not required or delete all of them if athletic lockers are not being specified.

Athletic Locker Sides: Square.

Athletic Locker Sides: Curve, stylized.

Athletic Locker Sides: Deeper seating.

* + - * 1. Wall Mounting Cleats: Minimum 1/2 in (12 mm) thick solid phenolic.
		1. Ventilation
			1. Vertical Ventilation: Six, 5/16 in (8 mm) diameter ventilation holes on tops, bottoms, and intermediate shelves. Three 5/16 in (8 mm) diameter ventilation holes on "Z" type intermediary shelves.
			2. Horizontal ventilation: Ventilation around edge of door equal to 1.43 sq in (922.6 sq mm) of ventilation surface area per linear foot of door perimeter.

\*\* NOTE TO SPECIFIER \*\* Delete additional door ventilation option not required or delete both.

* + - 1. Additional Door Ventilation: Through door ventilation with 5/16 in (8 mm) holes drilled into a horizontal or vertical pattern. 50 percent additional ventilation.
			2. Additional Door Ventilation: Through door ventilation with 5/16 in (8 mm) holes drilled into a horizontal or vertical pattern. 100 percent additional ventilation.
		1. Hardware:
			1. Fasteners: Stainless steel.

\*\* NOTE TO SPECIFIER \*\* Delete fastening option not required. Concealed is standard.

* + - * 1. Fastening: Concealed.
				2. Fastening: Through bolt door.

\*\* NOTE TO SPECIFIER \*\* Delete hinge options not required. 90 degrees is standard.

* + - 1. Door Hinges: 180 degrees semi-concealed stainless steel hinge.
			2. Door Hinges: Concealed six knuckle butt hinge; 90 degrees stainless steel barrel hinge.
				1. Two hinges: Doors up to and including 36 in (914 mm) tall.
				2. Three hinges: Doors greater than 36 in (914 mm) tall.
			3. Door Hinges: ADA concealed six knuckle butt hinge; 180 degrees stainless steel barrel hinge.
				1. Two hinges: Doors up to and including 36 in (914 mm) tall.
				2. Three hinges: Doors greater than 36 in (914 mm) tall.
			4. Interior Side Hooks: Stainless steel.
				1. One per opening, for openings up to 30 in (762 mm) tall.
				2. Two per opening, for openings 30 in (762 mm) tall or greater.
			5. Door Identification Plates: 1.75 x 6.25 in (44.5 x 159 mm) black plastic with reverse engraved numbers and surface mounted with permanent adhesive.
				1. Fonts: 1/2 in (13 mm) high minimum; up to four characters.
				2. Numbering Sequence: Provided by the Architect.

\*\* NOTE TO SPECIFIER \*\* Delete door lock options not required. Hasp bar for padlock is standard.

* + - 1. Door Locks: Stainless steel hasp bar for customer supplied padlock.
			2. Door Locks: Built in combination lock.
			3. Door Locks: Built in key lock.
			4. Door Locks: Built in coin/token lock.
			5. Door Locks: Built in digital day use lock.
			6. Door Locks: Built in digital assigned use lock.
			7. Door Locks: Built in mechanical day use lock.
			8. Door Locks: Built in mechanical assigned use lock.
			9. Door Locks: Built in RFI lock.

\*\* NOTE TO SPECIFIER \*\* Delete paragraph if not required. Or delete subparagraphs not required.

* + 1. Accessories and Options:

\*\* NOTE TO SPECIFIER \*\* Delete finished locker top options if not required.

* + - 1. Finished Locker Top: Standard. White body material.
			2. Finished Locker Top: Flat. 1/2 in (13 mm) thick. Top color to match lockers.
			3. Finished Locker Top: Sloped. 1/2 in (13 mm) thick. Top color to match lockers. 20 degree rise from front to back, using an extruded aluminum channel across the front.
			4. Finished Fascia: 1/2 in (13 mm) thick by 4 inch tall front fascia panel. Color to match lockers.

\*\* NOTE TO SPECIFIER \*\* Optional. Delete if not required.

* + - 1. Door magnets.
			2. Coat Rod: Stainless steel. Installed in locker openings greater than 30 in (762 mm) high and 18 in (457 mm) deep.
			3. Adjustable Locker Base: Adjustable locker feet with 1/2 in (13 mm) solid phenolic kick plate. Color to match with lockers. Adjustable Range: 3-3/4 to 5 in (95 x 127 mm).

Solid phenolic back rests attached with aluminum brackets.

\*\* NOTE TO SPECIFIER \*\* Delete paragraph if athletic lockers are not being specified. Otherwise delete accessories not required.

* + - 1. Athletic Lockers:
				1. Engraved logos.
				2. Coat Hooks: Stainless steel or aluminum
				3. Decorative valances.
				4. Name tags.

\*\* NOTE TO SPECIFIER \*\* Delete article if not required.

* 1. PHENOLIC PEDESTAL BENCHES
		1. Panel Material:
			1. Decorative papers impregnated with a melamine resin on faces with a clear protective overcoat and integrally compression molded within a core consisting of solid phenolic impregnated kraft papers.

\*\* NOTE TO SPECIFIER \*\* Delete fire resistance option not required. Class B is standard. Delete both if fire resistance is not required.

* + - 1. Fire Rating: Core or panel material meeting fire Class A resistance per ASTM E84.
			2. Fire Rating: Core or panel material meeting fire Class B resistance per ASTM E84.
		1. Solid phenolic benches mounted on pedestals.

\*\* NOTE TO SPECIFIER \*\* Delete bench type not required.

* + - 1. Bench (WxT): 12 x 3/4 in (305 x 19 mm) thick solid phenolic.
				1. Lengths: As indicated on the Drawings.

\*\* NOTE TO SPECIFIER \*\* Delete pedestal options not required.

* + - * 1. Pedestals: Stainless steel.
				2. Pedestals: Black powder coated aluminum.
				3. Pedestals: Powder coated steel.
				4. Pedestals: Movable stainless steel (trapezoid).

\*\* NOTE TO SPECIFIER \*\* Delete bench length option not required.

* + - * 1. Bench Length (in/mm): \_\_\_\_\_\_.
				2. Bench Length: As determined by the Architect.
			1. ADA Bench:
				1. Dimensions (WxLxT): 20 x 42 x 3/4 in (508 x 1067 x 19 mm) thick solid phenolic.
				2. Dimensions (WxLxT): 24 x 48 x 3/4 in (610 x 1219 x 19 mm) thick solid phenolic.

\*\* NOTE TO SPECIFIER \*\* Delete ADA pedestal options not required.

* + - * 1. ADA Pedestals: 4, stainless steel pedestals.
				2. ADA Pedestals: 4, aluminum, black powder coated for 20 x 42 in (508 x 1067 mm) benches
				3. ADA Pedestals: 4, aluminum, black powder coated 24 x 48 in (610 x 1219 mm) benches.

\*\* NOTE TO SPECIFIER \*\* Optional. Available for 24 x 48 in (610 x 1219 mm) ADA benches. Delete if not required.

* + - * 1. Solid phenolic back rests attached with aluminum brackets.

\*\* NOTE TO SPECIFIER \*\* Delete article if not required.

* 1. CUBBIES
		1. Panel Material:
			1. Decorative papers impregnated with a melamine resin on faces with a clear protective overcoat and integrally compression molded within a core consisting of solid phenolic impregnated kraft papers.

\*\* NOTE TO SPECIFIER \*\* Delete fire resistance option not required. Class B is standard. Delete both if fire resistance is not required.

* + - 1. Fire Rating: Core or panel material meeting fire Class A resistance per ASTM E84.
			2. Fire Rating: Core or panel material meeting fire Class B resistance per ASTM E84.
		1. Configuration:

\*\* NOTE TO SPECIFIER \*\* Delete paragraphs not required.

* + - 1. Single Unit:

\*\* NOTE TO SPECIFIER \*\* Delete tier options not required.

* + - * 1. Tiers: 1.
				2. Tiers: 2.
				3. Tiers: 3.
				4. Tiers: 4.

\*\* NOTE TO SPECIFIER \*\* Delete height options not required.

* + - * 1. Height: 24 in (610 mm).
				2. Height: 36 in (914 mm).
				3. Height: 48 in (1219 mm).
				4. Height: 60 in (1524 mm).
				5. Height: 72 in (1829 mm).
				6. Height: 84 in (2134 mm).
				7. Height: 96 in (2438 mm).

\*\* NOTE TO SPECIFIER \*\* Delete width options not required.

* + - * 1. Width: 9 in (229 mm).
				2. Width: 12 in (305 mm).
				3. Width: 15 in (381 mm).
				4. Width: 18 in (457 mm).
				5. Width: 20 in (508 mm).

\*\* NOTE TO SPECIFIER \*\* Delete depth options not required.

* + - * 1. Depth: 12 in (305 mm).
				2. Depth: 15 in (381 mm).
				3. Depth: 18 in (457 mm).
				4. Depth: 20 in (508 mm).
			1. Combination Unit:

\*\* NOTE TO SPECIFIER \*\* Delete tier options not required.

* + - * 1. Tiers: 2 wide x 2 tall.
				2. Tiers: 2 wide x 3 tall.
				3. Tiers: 3 wide x 3 tall.

\*\* NOTE TO SPECIFIER \*\* Delete height option not required.

* + - * 1. Height: 24 in (610 mm).
				2. Height: 36 in (914 mm).

\*\* NOTE TO SPECIFIER \*\* Delete width option not required.

* + - * 1. Width: 24 in (610 mm).
				2. Width: 36 in (914 mm).

\*\* NOTE TO SPECIFIER \*\* Delete depth option not required.

* + - * 1. Depth: 12 in (305 mm).
				2. Depth: 15 in (381 mm).
			1. Bench Unit:

\*\* NOTE TO SPECIFIER \*\* Delete opening option not required.

* + - * 1. Openings: \_\_\_\_\_\_.
				2. Openings: As detailed on the Drawings.

\*\* NOTE TO SPECIFIER \*\* Delete dimension option not required.

* + - * 1. Dimensions (in/mm): \_\_\_\_\_\_.
				2. Dimensions: As detailed. on the Drawings.
		1. Construction:
			1. Mortised joints with mechanical fasteners. Butt joints not acceptable.
			2. Tops, Bottoms, and Intermediate Shelves: 3/8 in (9.5 mm) minimum thick solid phenolic composite material with ventilation holes.
			3. Cubbie Sides and Backs: 3/8 in (9.5 mm) minimum thick solid phenolic composite material.
			4. Cubbie Mounting Cleats: 3/8 in (9.5 mm) minimum thick solid phenolic.
				1. Mounting Cleats: 2, required for wall mounted installations.
			5. Color: Single color available in a full range of colors from Wilsonart.
				1. Phenolic panel edges are black.
			6. Exposed Edges: Straight profile; eased edges to remove sharpness; machine polished and free from tooling imperfections.
		2. Hardware:
			1. Interior Side hooks:
				1. Material: Stainless steel. Plastic and nylon hooks are not acceptable.
				2. Two per opening for all openings 30 in (762 mm) tall or greater.
			2. Fasteners: Fasteners shall be stainless steel.

\*\* NOTE TO SPECIFIER \*\* Delete unnecessary items or delete paragraph all together.

* + 1. Accessories and Options:

\*\* NOTE TO SPECIFIER \*\* Delete top options not required.

* + - 1. Standard Top: Cubbie top is white body material.
			2. Flat Top: Solid phenolic, color matched with cubbies and installed flat.
			3. Sloped Top: Solid phenolic. color matched with lockers and installed at a 20 degree rise from front to back, using an extruded aluminum channel.
			4. Adjustable Base: Adjustable locker feet with matching solid phenolic kick plate. Adjustable from 3-3/4 to 5 in (95 to 127 mm).
	1. FABRlCATlON
		1. General: Provide factory pre-assembled units complete with all hardware and accessories listed above. Knock down units are unacceptable.
		2. Slope Tops and End Panels: Provide as required to complete the installation indicated on the Drawings.
1. EXECUTION
	1. EXAMINATION
		1. Do not begin installation until substrates have been properly prepared.
		2. 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.
		3. 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.
		4. If substrate preparation is the responsibility of another installer, notify Architect of unsatisfactory preparation before proceeding.
	2. PREPARATION
		1. Clean surfaces thoroughly prior to installation.
		2. Prepare surfaces using the methods recommended by the manufacturer for achieving the best result for the substrate under the project conditions.
	3. INSTALLATION
		1. Install in accordance with manufacturer's instructions, approved submittals and in proper relationship with adjacent construction.
		2. Install lockers rigid, straight, plumb, and level. No evidence of drilling, cutting and patching shall be visible in finished work.
		3. Install all required trim, fillers, end panels, and closures per manufacturer's instructions.
		4. Anchor lockers to the wall with provided anchor devices as recommended by manufacturer.
		5. Attach number plates to doors as indicated on shop drawings.
		6. Install sloped tops, end panels, filler strips and accessories in accordance with manufacturer's written instructions.
	4. ADJUSTING AND CLEANING
		1. Adjust hardware according to manufacturer's written instructions for smooth operation without binding.
		2. Lubricate door hinges and locks per manufacturer's instructions.
	5. PROTECTION
		1. Protect installed products until completion of project.
		2. Clean all exposed surfaces of lockers and hardware and touch-up, repair or replace damaged products before Substantial Completion. Do not use abrasive cleaners.

END OF SECTION