**Architectural Specifications, Section 10500 Wood Athletic Lockers**

DCAL Lockers, 3200 SW Highway H, Schell City MO, (417) 432-1190, www.dcal-lockers.com

**1.0 GENERAL**

**1.1 SECTION INCLUDES**

 A. Custom wood lockers and accessories.

**1.2 RELATED SECTIONS**

 A. Section 06114 - Wood Blocking and Curbing: Wood grounds and attachment strips.

 B. Section 06200 - Finish Carpentry: Related trim not specified in this section.

**1.3 REFERENCES**

A. Minimum standard for wood locker providers shall be as follows:

1. Minimum 5 years of exclusive athletic locker manufacturing experience
2. Minimum 5 substantially completed projects of similar scope within the last 2 years
	1. Provide minimum of three references of aforementioned projects
3. Company/Contractor must be an American based company
	1. **QUALITY ASSURANCE**
4. All parts and hardware shall be structurally sound and free from defects, in material and workmanship under normal use and service for the full warranty period.
5. All Dains Custom Athletic Lockers are installed with a 5 year warranty period

**1.5 SUBMITTALS**

 A. Product Data: Available upon request, including:

1. Preparation instructions and recommendations.

2. Storage and handling requirements and recommendations.

 3. Installation methods.

4. Product date specific to materials used in construction of locker.

5. Shop Drawings: Indicate locker plan layout for DCAL contracted installations, component profiles and elevations, schedule of finishes, and accessories.

**1.6 PRODUCT DELIVERY, STORAGE, AND HANDLING**

 A. Store products in a dry, ventilated area until ready for installation.

 B. Protect finishes from moisture, soiling and damage during handling.

**1.7 PROJECT CONDITIONS**

 A. 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 absolute limits.

 B. During and after installation, maintain same temperature and humidity conditions in building spaces as will occur after occupancy.

 C. Protect locker finish and adjacent surfaces from damage.

1. **PRODUCTS**
2. Wood Athletic Lockers

**2.1 MANUFACTURERS**

 A. Acceptable Manufacturer: DCAL Lockers; 3200 SW Highway H, Schell City MO, 417-432-1190

Email: info@dcal-lockers.com

 B. Substitutions: Not permitted.

C. Requests for substitutions will be considered in accordance with provisions of Section 01600.

**2.2 MATERIALS**

 A. Locker Body: ¾ inch Grade A-1 plain sliced veneer core plywood, wood species and finish listed below.

 1. Typical Wood Species: Maple or Red Oak

2. NO MDF, Particle board substrate, or plastic laminates allowed.

 B. Locker Edges: All exposed edges of locker are T-edged using the below methods.

1. ¾ inch hardwood T-edge construction matching wood species and finish to the rest of the locker

2. NO edge banding is accepted as an equal substitution.

C. Stain: Choices include any Sherwin Williams or Coronado standard wood stain.

D. Wood Finish: All wood surfaces are sealed with 1 coat of wood stain, 2 coats of sanding sealer, and 2 coats of non diluted, KMA (Kitchen Manufacturers Association) approved lacquer. Locker is hand sanded between coats of lacquer.

E. Door Styles: Door fronts can be customized to maximize design impact

 1. ¾ inch hardwood with matching wood species and finish to the rest of the locker

 2. ¾ inch hardwood with customized logo

F. Venting: DCAL Smart Air Locker System, and ventilation slats at specific locations to provide free air flow.

G. Bottom Unit: Functions as storage and seating as indicated on project drawings. The standard configuration is as follows:

 1. Integrated storage bin topped with lift-up seat.

500 lbs minimum load capacity

 H. Hardware:

 1. Hinges:

1. European style bloom concealed hinge (lock box)
2. Stainless steel piano hinge (trunk lid)

 2. Locks: Available with standard or upgraded options

 a. Standard option 1: Built-in combination lock (Masterlock)

 b. Upgraded option 1: Digilock (with or without pull)

3. Coat Rods: 1 ¼ inch diameter, chrome finish

 4. Coat Hooks: Corrosion resistant brushed nickel coat hat hook, 2½”x1”x1½” (deep)

I. Accessories:

1. Seat Cushions:

a. Industrial Marine Grade Vinyl covered cushion with or without screen printed logo available

2. Name Plate Holder: 2x12 inch brushed chrome with blank insert

3. Shoe Storage: .22 gauge stainless steel skin on top of ¾” veneer core plywood

4. Shoulder Pad/Helmet Rack: 1 ½” galvanized tubing, 3/8” solid rod top. Powder coated. Attached with 4- .25” x 1” bolts.

5. Slope Top: ¾” veneer core plywood to match color and finish of locker. T-Edge construction, running the length of one full bank of lockers.

**2.3 FABRICATION**

A. Locker shall be fabricated using dado and cleat construction, then screwed assembly process utilizing corrosion resistant screws.

B. Fabricate lockers square, rigid and without warp, with the finished faces flat and free of scratches and chips. C. Machine all parts and attachment holes accurately and without chips.

**3.0 EXECUTION**

**3.1 EXAMINATION**

 A. Do not begin installation until adjacent substrates and finishes have been properly prepared.

 B. Verify prepared bases are screwed and level in correct position and configuration.

C. If preparation is the responsibility of another installer, notify Architect of unsatisfactory preparation before proceeding.

3.2 PREPARATION

 A. Clean surfaces thoroughly prior to installation.

 B. Prepare surfaces using the methods recommended by the manufacturer for achieving the best result for the substrate under the project conditions.

 C. Verify adequacy of backing and support framing.

3.3 INSTALLATION

 A. Install in accordance with manufacturer’s instructions.

 B. If DCAL is not contracted for installation, client must unload lockers from the delivery truck.

 C. Set and secure lockers in place; rigid, plumb, and level.

D. Secure lockers with anchor devices to suit substrate materials.

 E. Use concealed joint fasteners to align and secure adjoining locker units.

 F. Conceal screw heads with finish putty to match locker interior.

 G. Secure lockers with anchor devices to suit substrate materials

 H. Install end panels, filler panels, corner towers, tops and bases as indicated on the approved shop drawings.

 I. Install accessories.

3.4 ADJUSTING

 A. Adjust moving or operating parts to function smoothly and correctly.

3.5 CLEANING

 A. Clean locker interiors and exterior surfaces.

3.6 PROTECTION

 A. Protect installed products until completion of project.

 B. Touch-up, repair or replace damaged products before Substantial Completion.