

SECTION 12 32 16 – ATHLETIC LOCKERS - MANUFACTURED PLASTIC-LAMINATE-CLAD

PART 1 GENERAL

1.1 ADMINISTRATIVE REQUIREMENTS

- A. **Pre-**Installation Conference:
1. Attendance: [Architect,] [Owner,] [Contractor,] [Construction Manager,] [Design/Builder] installer, and related trades.
 2. Review: Project conditions, manufacturer requirements, delivery and storage, staging and sequencing, and protection of completed work.

1.2 SUBMITTALS

- A. Action Submittals:
1. Shop Drawings: Illustrate products, installation, and relationship to adjacent construction.
 2. Product Data: Manufacturer's descriptive data and product attributes.
 3. Samples:
 - a. [Selection samples.] [Verification samples.]
 - b. [Small scale base cabinet.]
- B. Closeout Submittals:
1. Operation and Maintenance Data.
- C. **Quality Control** Submittals:
1. Manufacturer qualification statement.
 2. Comprehensive quality assurance standard documentation.

1.3 QUALITY ASSURANCE

- A. Manufacturer Qualifications:
1. Manufacturer has a minimum of 5 years of experience of manufacturing architectural casework for similar projects, with a cataloged product line, and can show evidence of long-lasting financial stability.
 2. Certified for chain of custody by third party group approved by Forest Stewardship Council (FSC).
 3. Licensed under Architectural Woodwork Institute (AWI) Quality Certification Program (QCP).
- B. **Installer** Qualifications: Minimum [2] [] years' experience in work of this Section.
- C. **Mockups**:
1. Full-size athletic locker.
 2. Approved mockups [may] [may not] remain as part of the Work.

1.4 WARRANTIES

- A. Manufacturer's [1 year] [3 year] [5 year] [limited lifetime] warranty against defects in materials and workmanship, including non-casework accessories.

PART 2 PRODUCTS

2.1 MANUFACTURERS

- A. Contract Documents are based on products by Case Systems, Inc., www.casesystems.com.
- B. **Substitutions**: [Refer to Division 01.] [Not permitted.]

2.2 MATERIALS

A. **Panel Core:** Particleboard, ANSI A208.1, Grade M-2 or higher.

**** OR ****

B. **Panel Core:** Moisture resistant particleboard, ANSI A208.1, interior grade moisture resistant, MR/FSC.

**** OR ****

C. **Panel Core:** Recycled content, FSC Certified particleboard, ANSI A208.1, ULEF/FSC, M-2, containing recycled content, no added urea formaldehyde.

**** OR ****

D. **Panel Core:** Recycled content, FSC Certified plywood, ULEF/FSC, no added urea formaldehyde.

**** OR ****

E. **Panel Core:** FSC Certified plywood.

F. **Surfacing:** NEMA LD-3 and ANSI A161.2.

1. Vertical surface decorative grade: VGS.
2. General purpose decorative grade: HGS.
3. Cabinet decorative liner grade: CLS. White in color.
4. Non-decorative backer grade: BKH.
5. Decorative thermally fused laminate. White in color.
6. Tango decorative thermally fused laminate.
7. Chemical resistant decorative laminate.

G. **Edge Banding:**

1. PVC, applied utilizing hot melt adhesive and radiused by automatic trimmer.
2. Adhesive: PVA type, mechanically applied, ULEF, free from VOC's.

2.3 FABRICATION

A. **General Locker Body Construction:**

1. Joinery: Concealed interlocking fasteners or dowel construction at manufacturer's discretion.
2. All panels manufactured with balanced construction.
3. Core: [Particleboard] [ULEF/FSC® Plywood] [MR/FSC® Board] [ULEF/FSC® Particleboard] [FSC® Plywood].
4. Structural components: ¾ inch thick for bottoms, tops, and ends.
5. Fixed interior components: ¾ inch thick for fixed shelves, dividers, and cubicle compartments.
6. Locker Body exterior surfaces: [VGS.] [HGS.] [Decorative thermally fused.] [Tango decorative thermally fused.] [As indicated on Drawings.]
7. Locker Body interior surfaces:
 - a. Closed: [VGS.] [HGS.] [CLS.] [BKH.] [Decorative thermally fused.] [Tango thermally fused.]
 - b. Opens: [VGS.] [HGS.] [CLS.] [BKH.] [Decorative thermally fused.] [Tango thermally fused.]
8. Athletic locker body front edge shall be: [Standard: .020" PVC] or [3mm PVC].
9. Mounting stretchers are 3/4" thick structural components fastened to end panels and back by mechanical fasteners and are concealed by the athletic locker back.

10. Exposed laminate back panels: Finished 3/4 inch thick back panel when cabinet rear is exposed.
 11. Athletic Locker Backs: 1/2 inch thick, surfaced both sides, fully captured on both sides and bottom.
 12. Stretchers:
 - a. 3/4 inch thick upper stretcher located behind back panel.
 - b. 3/4 inch thick intermediate stretchers located behind back panel.
 13. Intermediate shelves: Fixed.
- B. Athletic locker top edges: [Raw] [.020" PVC at Top of End Panels, Stretchers & Back] [.020" PVC at Top of End Panels].
- C. Athletic locker Tops: [CLS to Match Standard Interior] [HPL to Match Exterior Surface] [Material Match Standard Interior].
- D. Athletic Locker Toe Bases:
1. Material: [Particleboard] [MR/FSC® Board] [ULEF/FSC® Particleboard] [ULEF/FSC® Plywood] [Pressure Treated Plywood] [Raw Exterior Glue Plywood] [FSC® Pressure Treated Plywood] [FSC® Raw Exterior Glue Plywood]
 2. Height: [96mm] [102mm] [152mm] [Other: As Specified].
 3. Type: [Attached] [3/4" Raw Loose Base Strips] [No Base].
- E. Drawer Fronts and Solid Doors: Surfaced both sides for balanced construction.
1. Component Materials: [Standard: Particleboard] [ULEF/FSC® Plywood] [MR/FSC® Board] [ULEF/FSC Particleboard] [FSC® Plywood]
 2. Surfaces [Standard: HPL Grade VGS] [HPL Grade HGS] [Decorative Thermally Fused]
 3. Door and drawer front edges: [Nominally 3mm PVC] [Nominally 1 mm thick PVC].
- F. Drawer Boxes:
1. Material: [Particleboard.] [MR/FSC particleboard.] [ULEF/FSC particleboard.] [ULEF/FSC plywood.] [FSC plywood.]
 2. Core thickness: 3/4 inch thick.
 3. Construction: Drawer box sides and rear secured to platform bottom using wood screws. Drawer front and bottom are secured using metal brackets.
 4. Top edges: Nominal 1 mm PVC, matching drawer color.
 5. Sides, backs, sub-fronts, and bottoms: 3/4 inch thick
 6. Box rear corners: fastened with wood screws and a butt joint.
 7. Box front corners: secured to drawer front with 14 ga. metal brackets.
- G. Doors:
1. Construction: Solid Doors, 3/4 inch core.

2.4 ACCESSORIES

- A. Hardware:
1. Hinges: Five-knuckle type, reveal overlay, Institutional Grade per ANSI/BHMA A156.9; two per door except three per door for doors over 48 inches high.
- **** OR ****
2. Hinges: Concealed type, nickel plated, self-closing, minimum Grade 2 per ANSI/BHMA A156.9; two hinges for doors up to 48 inches high; three hinges for doors from 49 to 66 inches high; four hinges for doors 67 inches and higher.

3. Pulls: [Anodized aluminum wire type.] [Epoxy coated wire type.] [Brass core wire type.] [Stainless steel wire type.] [Semi-recessed type.] [Semi-recessed type, oversized.]
4. Drawer slides:
 - a. 150 lb. rated, heavy duty, full extension drawer slide. Side mounted ball bearing design in anochrome finish.
5. Coat hooks:
 - a. [zinc plated] [single prong] [double prong]
 - b. [stainless steel wardrobe hook with one coat hook and one garment hook]
 - c. [matt silver anodized aluminum, single flat hook]
6. Locks:
 - a. Locations: [Drawers.] [Doors.] [As indicated on Drawings.]
 - b. Type:
 - 1) Keyed: [Five-disc tumbler cam locks.] [Five pin lock, pin tumbler.] [Dead bolt style.] [Best - 5E.] [Olympus 100DR for doors and 200DW for drawers.]
 - 2) Keying: [Key locks alike.] [Key locks differently by room and master key, minimum of 50 keying options.]
 - 3) Keyless: [KEYLESS.CO Keyless1: Combination Cam Lock, 4 digit code, non-battery operated] [COMPX REGULATOR: Electronic push button keypad, (2) AAA batteries] [KITLOCK KL1000: 11 digit keypad, 15,000 cycles, (2) AAA batteries].

PART 3 EXECUTION

3.1 INSTALLATION

- A. Install in accordance with manufacturer's instructions and approved Shop Drawings.

END OF SECTION