

**DIVISION 12 Furnishings**

<u>Section No.</u>	<u>Title</u>	<u>Comments</u>
12 21 00	WINDOW BLINDS	<ol style="list-style-type: none"> <li>1. 1-inch aluminum blinds, no valance.</li> <li>2. Basis of design: Bali 1" LightBlocker. Hunter Douglas and Levelor also allowed.</li> </ol>
12 24 13	ROLLER SHADES	<ol style="list-style-type: none"> <li>1. MechoSystems: Classic Mecho/5</li> <li>2. Manual operating, chain drive, room darkening</li> <li>3. Cloth: EcoVeil 1350 Series, 5% open, 100% TPO</li> <li>4. Continuous removable aluminum fascia, mount direct to bracket without adhesives, magnetic strips, or exposed fasteners.</li> </ol>
12 30 00	CASEWORK	<p>Plastic Laminate Clad Manufactured Casework:</p> <ol style="list-style-type: none"> <li>1. Manufactured by: Pacific Cabinets Inc.; Genothern, and ISEC, Inc. products preferred.</li> <li>2. Quality certification in accordance with AWI/AWS Quality Certification Program.</li> </ol> <p>Finish Materials:</p> <ol style="list-style-type: none"> <li>1. Interiors of cabinets and drawers: White melamine</li> <li>2. Faces of doors and drawers: Plastic laminate by Wilsonart, Formica, Nevamar or Pionite preferred. GP50 grade with .020-inch backing bonded to substrate at countertops. GP50 grade laminate applied to face before top surface is applied.</li> </ol> <p>Edge-banding:</p> <ol style="list-style-type: none"> <li>1. Cabinet ends, doors and drawer fronts: 3 mm PVC, color to match cabinet end</li> <li>2. Edges of cabinet shelves, sub-tops, bottoms and partitions and exposed edges at underside of cabinets and drawer parts: .024-inch thick PVC. Color to match cabinet interior.</li> </ol> <p>Cores and substrates:</p> <ol style="list-style-type: none"> <li>1. Dry solid stock, plywood preferred. Consult with Owner regarding use of particleboard and medium density fiberboard. Laminate core material shall be premium grade 45-pound density particleboard with the following exceptions: <ol style="list-style-type: none"> <li>a. At countertops with sinks, including backsplashes: use 3/4" thick exterior grade plywood substrate</li> <li>b. Overall thickness at countertops to be 1-1/2"</li> </ol> </li> </ol> <p>All wood cores and substrates shall be formaldehyde free</p>

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		<p>1. Shelves:</p> <ul style="list-style-type: none"> <li>a. Under 36" – ¾" minimum thickness.</li> <li>b. Shelves 36" and wider – 1" plywood core</li> <li>c. Open shelf units shall be 1" thick plywood core with plastic laminate finish on all exposed surfaces.</li> <li>d. Plastic laminate shelving shall be GP50 grade laminate with .020-inch backing sheet bonded to plywood substrate. All exposed edges; self-edged, edges applied after top surface is applied.</li> </ul> <p>Backsplash:</p> <ul style="list-style-type: none"> <li>1. 6" high typical, ¾" thick, factory attached with screws at 6" o.c. Install with waterproof sealant, substrate to be same as countertop.</li> </ul> <p>Drawers:</p> <ul style="list-style-type: none"> <li>1. Manufactured of standard wood construction type with the following exceptions:             <ul style="list-style-type: none"> <li>a. Heavy duty drawers at Labs shall be ½" thick plywood overlaid to match cabinet interiors for drawer bottoms, drawer sides and sub-fronts.</li> </ul> </li> </ul> <p>Doors:</p> <ul style="list-style-type: none"> <li>1. All doors, including sliding units, shall be of manufacturer's standard construction.</li> </ul> <p>Cabinet backs:</p> <ul style="list-style-type: none"> <li>1. Manufacture's standard construction, with the following exception:             <ul style="list-style-type: none"> <li>a. Provide removable backs as needed to access mechanical and electrical components.</li> </ul> </li> </ul> <p>Full height storage units:</p> <ul style="list-style-type: none"> <li>1. End panels: ¾" thick</li> <li>2. Shelving: ¾" thick plywood</li> <li>3. Provide with 7 shelf units, 4 to be adjustable and 3 fixed. Fit with metal book / shelf dividers.</li> </ul> <p>Hardware:</p> <ul style="list-style-type: none"> <li>1. Commercial grade five knuckle hinges US26D.</li> <li>2. Stainless steel bent wire metal pulls, 3.5-inches long x 5/16" diameter.</li> <li>3. Steel shelf clips – nickel plated.</li> <li>4. Olympus locks – with rekeyable 5-pin tumbler.             <ul style="list-style-type: none"> <li>a. Drawer: Model 100DW</li> <li>b. Door: Model 100DR</li> </ul> </li> <li>5. Slide bolt at interactive pairs of doors: Epc0 910</li> <li>6. Sliding glass door locks: Ratchet type, National C8140</li> </ul>
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		<p>7. Keying: Key per program requirements. Furnish six (6) master keys. Refer to door hardware section for requirements on keying meeting.</p> <p>Accuride slides:</p> <ol style="list-style-type: none"> <li>1. Box drawer slides to be full extension No. 3832 with 100 lb. load rating.</li> <li>2. Thin drawers to be full extension No. 3832 with 100 lb. load rating.</li> <li>3. File drawers to be full extension No. 4032 with 150 lb. load rating.</li> </ol> <p>Accessories:</p> <ol style="list-style-type: none"> <li>1. Adjustable shelf supports: L-shaped with peg fitting; Liberty Hardware No. A11520G-PB-U</li> <li>2. Clothes Rods: Knap &amp; Vogt KV 750, 1-5/16" diameter rod, chrome finish with .075" thick steel wall.</li> <li>3. Wire grommets: Hafele No. 631.26.301 – black, 60 mm diameter, two-piece</li> <li>4. Catches: Commercial grade with maximum 5 lb. pull rating – Epco No. 1000, color to match cabinet interior.</li> <li>5. Coat hooks to be Ives 580, 581, 582 preferred.</li> <li>6. Vibration isolation pads: Mason Industries Mini Super W Pads, use under casework where indicated.</li> <li>7. Shelf support brackets:             <ol style="list-style-type: none"> <li>a. At countertops: 16 ga. 1-1/2" tube steel with welded construction, designed to support countertops off wall, color: black, 18" x 21" for 26" deep, 21" x 27" for up to 32" deep.</li> <li>b. At shelves: 1-1/4" steel flat bar with 1/4" wire rod gusset, all welded and designed to support up to 15-inch deep shelf, black powder coated finish.</li> </ol> </li> <li>8. Wall standards and brackets: extra-duty by Knap &amp; Vogt 85/185 Series</li> </ol>
12 46 19	CLOCKS	See Section 27 53 13 for GPS wireless clock system
12 93 00	SITE FURNISHINGS	<ol style="list-style-type: none"> <li>1. Bicycle racks:             <ol style="list-style-type: none"> <li>a. Ground mounted bolt down.</li> <li>b. Powder coated black.</li> </ol> </li> <li>2. Benches:             <ol style="list-style-type: none"> <li>a. Bolt down</li> <li>b. Powder coated, black, no wood.</li> </ol> </li> <li>3. Tables:             <ol style="list-style-type: none"> <li>a. Bolt down.</li> </ol> </li> </ol>

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		b. Powder coated or Anodized Aluminum, no wood.
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