

**DEPARTMENT OF VETERANS AFFAIRS**

**Justification and Approval**

**For**

**Other Than Full and Open Competition**

**1. Contracting Activity:**

Department of Veterans Affairs  
Lebanon VA Medical Center  
1700 S. Lincoln Ave.  
Lebanon, PA 17042

**2. Nature and/or Description of the Action Being Processed:**

Contractor shall furnish management, supervision, labor transportation, equipment, and materials, and perform work to include general construction, alterations, mechanical and electrical work, and certain other items as required by project drawings and specifications for:

**PROJECT NO. #595-10-105**

**VACO – LEBANON VA MEDICAL CENTER**

**RENOVATE ACUTE CARE 1-2 BED UNIT**

This acquisition is a firm-fixed price construction buy.

**3. Description of Supplies/Services Required to Meet the Agency's Needs:**

This section specifies the furnishing, installation of plastic laminate modular casework, including the "Folio" Nurture by Steelcase bedroom wardrobe, the "Opus" Nurture by Steelcase bedroom bedroom side cabinet with desk and sink, the "Opus" Nurture by Steelcase dining room kitchenette

**PRODUCTS**

**2.1 PLYWOOD, HARDWOOD FACE VENEER**

HPVA HP-1, Premium Grade plain sliced Red Oak / Rotary cut Select.

**2.2 PLASTIC LAMINATE:**

- A. NEMA LD-3.
- B. Exposed decorative surfaces including countertops, both sides of cabinet doors, and for items having plastic laminate finish. General purpose Type HGL.
- C. Cabinet Interiors Including Shelving: Both of following options to comply with NEMA, LD3.1 as a minimum.
  1. Plastic laminate clad plywood or particle board.
  2. Resin impregnated decorative paper thermally fused to particle board.

D. Backing sheet on bottom of plastic laminate covered wood tops. Backer Type BKL.

E. Post Forming Fabrication, Decorative Surface: Post forming Type HGP.

### **2.3 PLYWOOD, SOFTWOOD**

Prod. Std. PS1, five ply construction from 13 mm to 28 mm (1/2 inch to 1-1/8 inch) thickness, and seven ply for 31 mm (1 1/4 inch) thickness.

### **2.4 PARTICLEBOARD**

CPA A208.1, Type 1, Grade 1-M-3.

### **2.5 RUBBER OR VINYL BASE**

Straight (for carpet), cove (for resilient floor); 100 mm (4 inch) high, 3 mm (1/8 inch) thick, flexible to conform to irregularities in walls, partitions and floors.

### **2.6 PLUMBING FIXTURES**

ASME A112.18.1, except die-cast zinc-alloy material is not acceptable.

### **2.7 GLASS: ASTM C1036**

For Doors: Type I, Class 1, Quality q4.

### **2.8 SHEET STEEL**

ASTM A1008.

### **2.9 STAINLESS STEEL**

ASTM A167, with No. 4 finish.

### **2.10 HARDWARE**

A. Where pin tumbler locks are specified, disc tumbler lock "Duo A", with brass working parts and case, as manufactured by the Illinois Lock Company will be an acceptable substitute. Locks for each type casework, shall be keyed differently and shall be master-keyed for each type service, such as Nurses, Psychiatric, and Administration. Provide two keys for each lock. Exposed hardware, except as otherwise specified, shall be satin finished chromium plated brass or nickel plated brass.

B. Marking of Locks and Keys:

1. The name of the manufacturer, or trademark by which manufacturer can readily be identified, legibly marked on each lock.
2. The key change number marked on the exposed face of lock, and also stamped on each key.
3. Key change numbers shall provide sufficient information for replacement of the key by the manufacturer.

C. Hinged Doors:

1. Doors 900 mm (36 inches) and more in height shall have three hinges and doors less than 900 mm (36 inches) in height shall have two hinges. Each door shall close against two rubber bumpers.
2. Hinges: Fabricate hinges with minimum 2 mm (0.072 inch) thick chromium plated steel leaves, and with minimum 3.5 mm (0.139 inch) diameter stainless steel pin. Hinges shall be five knuckle design with 63 mm (2-1/2 inch) high leaves and hospital type tips.
3. Fasteners: Provide full thread wood screws to fasten hinge leaves to door and cabinet frame. Finish screws to match finish of hinges.

D. Door Catches:

1. Friction or Magnetic type, fabricated with metal housing.
2. Provide one catch for cabinet doors 1200 mm (48 inches) high and under, and two for doors over 1200 mm (48 inches) high.

E. Locks:

1. Cylinder type pin tumbler.
2. Equip doors and drawers where shown with locks.

F. Drawer and Door Pulls:

Doors and drawers shall have flush pulls, fabricated of either chromium plated brass, chromium plated steel, stainless steel, or anodized aluminum.

G. Drawer Slides:

1. Full extension steel slides with nylon ball-bearing rollers.
2. Slides shall have positive stop.
3. Equip drawers with rubber bumpers.

H. Sliding Doors:

1. Each door shall be supported by two ball bearing bronze or nylon rollers, or sheaves riding on a stainless steel track at top or bottom, and shall be restrained by a nylon or stainless steel guide at the opposite end.
2. Plastic guides are not acceptable.
3. Each door shall have rubber silencers set near top and bottom of each jamb.

I. Shelf Standards (Except For Fixed Shelves):

Bright zinc-plated steel for recessed mounting with screws, 16 mm (5/8 inch) wide by 5 mm (3/16 inch) high providing 13 mm (1/2 inch) adjustment, complete with shelf supports.

J. Gate Bolt:

Surface mounted barrel type with strike.

K. Hinged Gates:

Gates shall have two double-acting hinges size as required.

## 2.11 FABRICATION

- A. Casework shall be of the flush overlay design and, except as otherwise specified, be of premium grade construction and of component thickness in conformance with AWI Quality Standards.
- B. Fabricate casework of plastic laminated covered plywood or particleboard as follows:
1. Where shown, doors, drawers, shelves and all semi-concealed surfaces shall be plastic laminated.
  2. Horizontal and vertical reveals between doors and drawer for reveal overlay design shall be 19 mm (3/4 inch) unless otherwise shown.
  3. Sliding doors shall have stops to prohibit bypass and be removable without use of tools.
- C. Electrical fixtures, receptacles, wiring and junction boxes required for fixtures and receptacles:
1. Factory installed in casework.
  2. For electrical lighting fixtures, see drawings.
  3. For electric receptacles and lighting fixtures installed below or adjacent to wall cabinets or above counter tops, see electrical sections or specifications.
  4. Install wiring in built-in raceways and terminate at junction box mounted on rear of cabinet and counter.
  5. For final hook-up at junction box see electrical sections of specifications.
- D. Provide 18 gage sheet steel sloping tops for casework where shown. Fasten sloping tops with oval-head screws inserted from interior. Exposed ends of sloping tops shall have flush closures fastened as recommended by manufacturer.
- E. Base:
1. Provide rubber or vinyl base with close, flush joints; set with adhesive.
  2. Remove adhesive from exposed surfaces.
  3. Install base at floor line after casework has been accurately leveled.
  4. Rub base to glossy finish.
- F. Countertops:
1. Countertops, splashbacks and reagent type shelves shall be plastic laminate factory glued to either a plywood (PS1), or particleboard (CPA A208.1) core.
  2. Countertops shall be 1-1/4 inches thick.

3. Splashbacks and reagent type shelves shall be finished 19 mm (3/4 inch) thick and be secured to countertops with concealed metal fastenings and with contact surfaces set in waterproof adhesive.
4. Provide cut-outs for plumbing trim where shown.
5. Cover exposed edges of countertops, splashbacks and reagent type shelves with plastic.

G. Sink bowls:

1. 18 gage stainless steel, of size and design shown.
2. All interior corners of bowls shall be formed to manufacturer's standard radii.
3. Sinks shall have rims with flanged edges overlapping tops to provide tight joints.
4. Secure sink bowls with concealed fastenings.
5. For service lines from service fixtures, see other sections of specifications.

H. Provide the following plumbing trim and fittings:

1. Faucets: ASME A112.18.1 Type I, compression type, countertop mounted, chromium plated brass, having two valves and with swing-spout and gooseneck spout as shown, elevated to clear handles.
2. Fittings shall have an elongated escutcheon for spout and handles, replaceable valve seats and four arm or lever style indexed chromium plated brass or stainless steel handles; handles either with or without hood.

I. Faucets:

1. ASME A112.18.1 Type I, compression type, splashback mounted, chromium plated brass, having two valves and with swing-spout and gooseneck spout as indicated.
2. Fittings shall have exposed body union inlets and adjustable flanges.
3. Valves shall have indexed chromium plated brass or stainless steel lever handles and replaceable valve seats; handles either with or without hood.

J. Drain:

1. Cast or wrought brass or stainless steel with flat strainer.
2. Surfaces of drains exposed from above shall have a chromium plated finish.

K. Traps: Cast brass.

L. Spray Hose:

1. Hose shall drop below counter top when not in use and be of sufficient length to reach the entire length of the countertop.
2. Concealed trim may be rough brass.

M. Support Members for Tops of Tables:

1. Construct as detailed.

2. Provide miscellaneous steel members and anchor as shown.

N. Legs For Counters:

1. Fabricate legs for counters of 1.6 mm (0.0635 inch) thick, 38 mm (1-1/2 inch) square tubular stainless steel where shown.
2. Secure legs to counter tops and provide legs at bottom with shoes not less than 25 mm (one inch) in height.
3. Fabricate shoes of either stainless steel, aluminum or chromium plated brass.

**2.12 BASIS OF DESIGN**

TECHNICAL SPECIFICATIONS - FOLIO CASEGOODS (BY NURTURE)	
<b>A</b>	<b>WARRANTY AND TESTING INFORMATION</b>
<b>A.1</b>	<input type="checkbox"/> <b>WARRANTY</b>
• A.1.1	• Must have lifetime warranty that product shall be free from defects in materials and workmanship (includes shipping, parts and labor for the repair or replacement of defective item.)
• A.1.2	• Complete warranty coverage must be available online or upon request.
• A.1.3	• Product shall be designed to withstand the 24/7 useage of typical healthcare clinical spaces.
<b>A.2</b>	<input type="checkbox"/> <b>TESTING</b>
• A.2.1	• Worksurfaces shall meet or exceed ANSI/BIFMA X5.5 Desk Products requirements.
• A.2.2	• Storage units shall meet or exceed ANSI/BIFMA X5.9-2004 requirements.
• A.2.3	• Product shall be tested and shall comply with UL 723 Test for Surface Burning Characteristics of Building materials using ASTM E 84 Standard Test Method for Surface Burning Characteristics of Building Materials.
• A.2.4	• Medium density M-3 grade particleboard shall be Medium Density and shall comply with ANSI 208.1 and ASTM D 1037.
• A.2.5	• Standard high-pressure laminates must meet or exceed NEMA LD3-2005 High-Pressure Decorative Laminate standards.
• A.2.6	• Product shall be tested and shall comply with UL 1286 Standard for Safety of Office Furnishings, (including the flammability requirement of) <ul style="list-style-type: none"> <li>○ Flame Spread Index (FSI) less than 200</li> </ul>

	<ul style="list-style-type: none"> <li>○ Smoke Developed Index (SDI) less than 450 (unless labeled “Smoke Developed Index Over 450”)</li> </ul>
<b>B</b>	<b>ENVIRONMENTAL FEATURES</b>
<b>B.1</b>	<input type="checkbox"/> <b>MATERIALS CHEMISTRY</b>
<ul style="list-style-type: none"> <li>• B.1.1</li> </ul>	<ul style="list-style-type: none"> <li>• Pending</li> </ul>
<b>B.2</b>	<input type="checkbox"/> <b>LIFE CYCLE ASSESSMENT</b>
<ul style="list-style-type: none"> <li>• B.2.1</li> </ul>	<ul style="list-style-type: none"> <li>• In lieu of disposing furniture in a landfill at the end of its useful life, the Manufacturer must provide opportunities for the Customer to recycle, resell or refurbish their used furniture</li> </ul>
<b>B.3</b>	<input type="checkbox"/> <b>RECYCLED CONTENT AND RECYCLABILITY</b>
<ul style="list-style-type: none"> <li>• B.3.1</li> </ul>	<ul style="list-style-type: none"> <li>• Product shall be constructed of up to 76% recycled content</li> </ul>
B.3.1.1	<ul style="list-style-type: none"> <li>▪ 2% post consumer content</li> </ul>
B.3.1.2	<ul style="list-style-type: none"> <li>▪ 74% pre consumer content</li> </ul>
<ul style="list-style-type: none"> <li>• B.3.2</li> </ul>	<ul style="list-style-type: none"> <li>• Product must be up to 8% recyclable at end of life.</li> </ul>
<b>B.4</b>	<input type="checkbox"/> <b>CERTIFICATIONS</b>
<ul style="list-style-type: none"> <li>• B.4.1</li> </ul>	<ul style="list-style-type: none"> <li>• Furniture must be certified to meet the emissions requirements of the California DPH Standard Practice for the Testing of Volatile Organic Emissions from Various Sources-2004 (CA Section 01350) and ANSI/BIFMA X7.1 Standard for Formaldehyde and TVOC Emissions of Low-emitting Office Furniture Systems and Seating using either the open plan or private office exposure scenarios defined in ANSI/BIFMA M7.1 Standard Test Method for Determining VOC Emissions from Office Furniture Systems, Components, and Seating. Testing must be conducted in accordance with ANSI/BIFMA M7.1. Certification must be provided by an organization independent of the manufacturer as well as from the testing laboratory, in accordance with the requirements of ISO/IEC Guide 65 General requirements for bodies operating product certification systems.</li> </ul>
B.4.1.1	<ul style="list-style-type: none"> <li>▪ The above requirement is covered by SCS IndoorAdvantage™ Certification for indoor air quality.</li> </ul>
<ul style="list-style-type: none"> <li>• B.4.2</li> </ul>	<ul style="list-style-type: none"> <li>• Product shall be at least Level™ 1 Certified with the BIFMA e3-2008 Furniture Sustainability Standards to meet or exceed the most current environmental standards in the furniture industry.</li> </ul>
<b>C</b>	<b>PRODUCT DESIGN FEATURES</b>
<b>C.1</b>	<input type="checkbox"/> <b>MODULAR BASE STORAGE</b>

• C.1.1	• Overall Dimensions
C.1.1.1	■ Depth shall be at least 24"D
C.1.1.2	■ Height shall be available in the following:
C.1.1.2.1	○ 28"H (sitting height)
C.1.1.2.2	○ 33"H (ADA sitting height)
C.1.1.2.3	○ 36"H (stool height)
C.1.1.3	■ Widths shall be:
C.1.1.3.1	○ Single door cabinets shall be 12"W, 18"W, 21"W and 24"W
C.1.1.3.2	○ Double door cabinets shall be 30"W and 36"W
C.1.1.3.3	○ Drawer and open cabinets shall be 12"W, 18"W, 21"W, 24"W, 30"W and 36"W
• C.1.2	• Drawer Dimensions
C.1.2.1	■ Inside depth shall be at least 19-1/2"D.
C.1.2.2	■ Inside width of drawers shall be at least the overall cabinet width minus 2-3/4".
C.1.2.3	■ Inside height shall be at least 4"H on small drawers and 7-3/4"H on large drawers.
• C.1.3	• Storage Configuration Options
C.1.3.1	■ The following storage configurations must be offered:
C.1.3.1.1	○ Fully open
C.1.3.1.2	○ One or two hinged doors
C.1.3.1.3	○ All drawers
C.1.3.1.4	○ Combination of drawers and open
• C.1.4	• Cabinet
C.1.4.1	■ Must be able to stand alone or adjoin to other units to create a wall unit.
C.1.4.2	■ 3-3/4"H common base must include adjustable levelers with at least 1-1/2" adjustment range for installation on uneven floors.
C.1.4.3	■ Panels shall be constructed of a medium density M-3 grade particleboard core covered with laminate on both faces and exposed edges are concealed with plastic edgeband. Panels shall be factory-assembled with

	concealed cam-lock hardware.
C.1.4.4	<ul style="list-style-type: none"> <li>■ Cabinet sides shall be finished so cabinet can be used in a variety of applications. Open cabinets shall also feature a finished back.</li> </ul>
C.1.4.5	<ul style="list-style-type: none"> <li>■ Base cabinets must be fastened to a wall. Attachment hardware must be included.</li> </ul>
C.1.4.6	<ul style="list-style-type: none"> <li>■ Completed application shall require application of cove (base) molding, supplied locally.</li> </ul>
• C.1.5	• Adjustable shelf
C.1.5.1	<ul style="list-style-type: none"> <li>■ One adjustable shelf must be standard in hinged door and open base cabinets.</li> </ul>
C.1.5.2	<ul style="list-style-type: none"> <li>■ Adjustable shelf shall adjust in 1-1/4" increments and shall be removable.</li> </ul>
C.1.5.3	<ul style="list-style-type: none"> <li>■ Adjustable shelf must be able to be repositioned with tools.</li> </ul>
C.1.5.4	<ul style="list-style-type: none"> <li>■ Additional shelves shall be available.</li> </ul>
• C.1.6	• Drawers
C.1.6.1	<ul style="list-style-type: none"> <li>■ Self-closing drawer slides must feature steel rails with quiet nylon rollers and must feature a stop to prevent accidental over-extension.</li> </ul>
C.1.6.2	<ul style="list-style-type: none"> <li>■ D-Pulls shall be standard with three additional 128mm pulls available as options (including one flush pull).</li> </ul>
C.1.6.3	<ul style="list-style-type: none"> <li>■ Drawers shall have single wall steel sides. Small drawers (12"W – 30"W) shall open three quarters. Large drawers and 36"W small drawers shall extend fully open.</li> </ul>
C.1.6.4	<ul style="list-style-type: none"> <li>■ Optional 4"D plastic (high impact polystyrene) drawer liners shall be available in 12"W, 18"W, 21"W, 24"W, 30"W and 36"W.</li> </ul>
	<ul style="list-style-type: none"> <li>■ Drawer fronts shall be at least 3/4" thick.</li> </ul>
• C.1.7	• Hinged doors
C.1.7.1	<ul style="list-style-type: none"> <li>■ Single hinged door units must be able to be specified as left- or right-handed.</li> </ul>
C.1.7.2	<ul style="list-style-type: none"> <li>■ Double doors shall open from the center outward.</li> </ul>
C.1.7.3	<ul style="list-style-type: none"> <li>■ Doors shall feature adjustable Euro-style hinges for 110° opening. Optional five-knuckle hinges shall allow 180° opening or 270° if there is no adjacent unit or other obstruction.</li> </ul>
C.1.7.4	<ul style="list-style-type: none"> <li>■ Doors shall be at least 3/4" thick.</li> </ul>

C.1.7.5	<ul style="list-style-type: none"> <li>■ D-Pulls shall be standard with three additional 128mm pulls available as options (including one flush pull).</li> </ul>
• C.1.8	<ul style="list-style-type: none"> <li>• Available Options</li> </ul>
C.1.8.1	<ul style="list-style-type: none"> <li>■ Factory-installed face lock must be optional to secure the door or drawer(s). Field-installed locks shall be an option.</li> </ul>
C.1.8.2	<ul style="list-style-type: none"> <li>■ Worksurfaces for base cabinets shall be ordered separately. Attachment hardware must be included.</li> </ul>
C.1.8.3	<ul style="list-style-type: none"> <li>■ 6" deep, field-cuttable fillers shall be available to close the gap between the cabinet and a structural wall.</li> </ul>
<b>C.2</b>	□ <b>SINK CABINETS</b>
• C.2.1	<ul style="list-style-type: none"> <li>• Base Sink Cabinets with Door(s)</li> </ul>
C.2.1.1	<ul style="list-style-type: none"> <li>■ Overall Dimensions</li> </ul>
C.2.1.1.1	<ul style="list-style-type: none"> <li>○ Height shall be at least 35"H (before worksurface is applied).</li> </ul>
C.2.1.1.2	<ul style="list-style-type: none"> <li>○ Widths shall be at least 20"W (single door) or 30"W and 36"W (double doors).</li> </ul>
C.2.1.1.3	<ul style="list-style-type: none"> <li>○ Depth shall be 24"D.</li> </ul>
C.2.1.2	<ul style="list-style-type: none"> <li>■ Sink must be independently purchased and field-installed. Sink cutout dimensions must not exceed 16"D and 6" less than the width of the cabinet.</li> </ul>
C.2.1.3	<ul style="list-style-type: none"> <li>■ Cabinet</li> </ul>
C.2.1.3.1	<ul style="list-style-type: none"> <li>○ Must be able to stand alone or adjoin to other units to create a wall unit.</li> </ul>
C.2.1.3.2	<ul style="list-style-type: none"> <li>○ 3-3/4"H common base must include adjustable levelers with at least 1-1/2" adjustment range for installation on uneven floors.</li> </ul>
C.2.1.3.3	<ul style="list-style-type: none"> <li>○ Panels shall be constructed of a medium density M-3 grade particleboard core covered with laminate on both faces and exposed edges are concealed with plastic edgeband. Panels shall be factory-assembled with concealed cam-lock hardware.</li> </ul>
C.2.1.3.4	<ul style="list-style-type: none"> <li>○ Cabinet sides shall be finished so cabinet can be used in a variety of applications. Sink cabinets shall also feature a finished back.</li> </ul>
C.2.1.3.5	<ul style="list-style-type: none"> <li>○ Base cabinets must be fastened to a wall. Attachment hardware must be included.</li> </ul>
C.2.1.3.6	<ul style="list-style-type: none"> <li>○ Completed application shall require application of cove (base) molding,</li> </ul>

	supplied locally.
C.2.1.4	<ul style="list-style-type: none"> <li>■ Hinged door</li> </ul>
C.2.1.4.1	<ul style="list-style-type: none"> <li>○ Single hinged door units must be able to be specified as left- or right-handed.</li> </ul>
C.2.1.4.2	<ul style="list-style-type: none"> <li>○ Double doors shall open from the center outward.</li> </ul>
C.2.1.4.3	<ul style="list-style-type: none"> <li>○ Doors shall feature adjustable Euro-style hinges for 110° opening. Optional five-knuckle hinges shall allow 180° opening or 270° if there is no adjacent unit or other obstruction.</li> </ul>
C.2.1.4.4	<ul style="list-style-type: none"> <li>○ Doors shall be at least 3/4" thick.</li> </ul>
C.2.1.4.5	<ul style="list-style-type: none"> <li>○ D-Pulls shall be standard with three additional 128mm pulls available as options (including one flush pull).</li> </ul>
C.2.1.4.6	<ul style="list-style-type: none"> <li>○ Factory-installed face lock must be optional to secure the door(s). Field-installed locks shall be an option.</li> </ul>
C.2.1.5	<ul style="list-style-type: none"> <li>■ Adjustable shelf</li> </ul>
C.2.1.5.1	<ul style="list-style-type: none"> <li>○ One adjustable shelf must be standard in hinged door sink cabinets.</li> </ul>
C.2.1.5.2	<ul style="list-style-type: none"> <li>○ Adjustable shelf shall adjust in 1-1/4" increments and shall be removable.</li> </ul>
C.2.1.5.3	<ul style="list-style-type: none"> <li>○ Adjustable shelf must be able to be repositioned with tools.</li> </ul>
C.2.1.5.4	<ul style="list-style-type: none"> <li>○ Additional shelves shall be available.</li> </ul>
● C.2.2	<ul style="list-style-type: none"> <li>● Wall-mounted Sink Cabinets</li> </ul>
C.2.2.1	<ul style="list-style-type: none"> <li>■ Overall dimensions</li> </ul>
C.2.2.1.1	<ul style="list-style-type: none"> <li>○ Width shall be at least 36"W.</li> </ul>
C.2.2.1.2	<ul style="list-style-type: none"> <li>○ Depth shall be 24"D.</li> </ul>
C.2.2.1.3	<ul style="list-style-type: none"> <li>○ A model which meets ADA guidelines shall be available.</li> </ul>
C.2.2.2	<ul style="list-style-type: none"> <li>■ Angled front shall feature a removable panel for access to plumbing.</li> </ul>
C.2.2.3	<ul style="list-style-type: none"> <li>■ Open back shall allow access to plumbing.</li> </ul>
C.2.2.4	<ul style="list-style-type: none"> <li>■ Panels shall be constructed of a medium density M-3 grade particleboard core covered with laminate on both faces and exposed edges are concealed with plastic edgeband. Panels shall be factory-assembled with concealed cam-lock hardware.</li> </ul>
C.2.2.5	<ul style="list-style-type: none"> <li>■ Unit must be fastened to a wall. Attachment hardware must be included.</li> </ul>

<b>C.3</b>	<b>□ MODULAR STORAGE CABINETS, BOOKCASES AND WARDROBE CABINETS</b>
• C.3.1	• Overall Dimensions
C.3.1.1	■ Depth shall be at least 24"D (exception: Bookcases shall be 20"D)
C.3.1.2	■ Height shall be at least 84"H (sloped top models shall add to this)
C.3.1.3	■ Widths shall be:
C.3.1.3.1	○ Single door cabinets shall be 12"W, 18"W, 21"W and 24"W
C.3.1.3.2	○ Double door cabinets shall be 30"W and 36"W
• C.3.2	• Cabinet
C.3.2.1	■ Must be able to stand alone or adjoin to other units to create a wall unit.
C.3.2.2	■ 3-3/4"H common base must include adjustable levelers with at least 1-1/2" adjustment range for installation on uneven floors.
C.3.2.3	■ Panels shall be constructed of a medium density M-3 grade particleboard core covered with laminate on both faces and exposed edges are concealed with plastic edgeband. Panels shall be factory-assembled with concealed cam-lock hardware.
C.3.2.4	■ Cabinet sides, top and back shall be finished so cabinet can be used in a variety of applications.
C.3.2.5	■ Base cabinets must be fastened to a wall. Attachment hardware must be included.
C.3.2.6	■ Completed application shall require application of cove (base) molding, supplied locally.
• C.3.3	• Hinged doors
C.3.3.1	■ Single hinged door units must be able to be specified as left- or right-handed.
C.3.3.2	■ Double doors shall open from the center outward.
C.3.3.3	■ Doors shall feature adjustable Euro-style hinges for 110° opening. Optional five-knuckle hinges shall allow 180° opening or 270° if there is no adjacent unit or other obstruction.
C.3.3.4	■ Doors shall be at least 3/4" thick.
C.3.3.5	■ D-Pulls shall be standard with three additional 128mm pulls available as options (including one flush pull).
C.3.3.6	■ Factory-installed face lock must be optional to secure the door(s). Field-

	installed locks shall be an option.
• C.3.4	• Features specific to Wardrobe Cabinets
C.3.4.1	■ A fixed shelf shall be located at 64-1/4”H
C.3.4.2	■ Hanger bar (aka “Coat rod”) shall span the inside width under the fixed shelf.
• C.3.5	• Features specific to Bookshelves and Storage Cabinets
C.3.5.1	■ A middle shelf on storage cabinets and bookcases shall be fixed at 36”H.
C.3.5.2	■ Five adjustable shelves must be standard.
C.3.5.3	■ Adjustable shelf shall adjust in 1-1/4” increments and shall be removable.
C.3.5.4	■ Adjustable shelves must be able to be repositioned with tools.
C.3.5.5	■ Additional shelves shall be available.
<b>C.5</b>	<input type="checkbox"/> <b>UPPER STORAGE</b>
• C.5.1	• Overall Dimensions
C.5.1.1	■ Modular design and shared 14” depth shall allow for cabinets to be used alone or adjoined to other cabinets.
C.5.1.2	■ Widths shall be:
C.5.1.2.1	○ Open cabinet: 12”W, 18”W, 21”W, 24”W, 30”W and 36”W.
C.5.1.2.2	○ Single door cabinet: 12”W, 18”W and 21”W.
C.5.1.2.3	○ Double door cabinet: 24”W, 30”W and 36”W.
C.5.1.3	■ Heights shall be available in 24”H and 30”H. 29”H and 35”H sloped top cabinets shall also be available.
C.5.1.4	■ 30”H cabinets shall be specified with full height door(s) or 14”H door(s) on top with open shelf underneath.
• C.5.2	• Cabinet
C.5.2.1	■ Must be able to stand alone or adjoin to other units to create a wall unit.
C.5.2.2	■ Panels shall be constructed of a medium density M-3 grade particleboard core covered with laminate on both faces and exposed edges are concealed with plastic edgeband. Panels shall be factory-assembled with concealed cam-lock hardware.
C.5.2.3	■ Cabinet sides, top and back shall be finished so cabinet can be used in a

	variety of applications.
C.5.2.4	<ul style="list-style-type: none"> <li>■ Upper cabinets must be fastened to a wall. Attachment hardware must be included.</li> </ul>
C.5.2.5	<ul style="list-style-type: none"> <li>■ Recessed space underneath shall be useable for task lighting (ordered separately).</li> </ul>
• C.5.3	• Adjustable shelf
C.5.3.1	<ul style="list-style-type: none"> <li>■ One adjustable shelf must be standard in upper cabinets.</li> </ul>
C.5.3.2	<ul style="list-style-type: none"> <li>■ Adjustable shelf shall adjust in 1-1/4" increments and shall be removable.</li> </ul>
C.5.3.3	<ul style="list-style-type: none"> <li>■ Adjustable shelf must be able to be repositioned with tools.</li> </ul>
C.5.3.4	<ul style="list-style-type: none"> <li>■ Additional shelves shall be available.</li> </ul>
• C.5.4	• Hinged doors
C.5.4.1	<ul style="list-style-type: none"> <li>■ Single hinged door units must be able to be specified as left- or right-handed.</li> </ul>
C.5.4.2	<ul style="list-style-type: none"> <li>■ Double doors shall open from the center outward.</li> </ul>
C.5.4.3	<ul style="list-style-type: none"> <li>■ Doors shall feature adjustable Euro-style hinges for 110° opening. Optional five-knuckle hinges shall allow 180° opening or 270° if there is no adjacent unit or other obstruction.</li> </ul>
C.5.4.4	<ul style="list-style-type: none"> <li>■ D-Pulls shall be standard with three additional 128mm pulls available as options (including one flush pull).</li> </ul>
C.5.4.5	<ul style="list-style-type: none"> <li>■ Doors shall be at least 3/4" thick.</li> </ul>
C.5.4.6	<ul style="list-style-type: none"> <li>■ Factory-installed face lock must be optional to secure the door(s). Field-installed locks shall be an option.</li> </ul>
• C.5.5	• Available Options
C.5.5.1	<ul style="list-style-type: none"> <li>■ 6" deep, field-cuttable fillers shall be available to close the gap between the cabinet and a structural wall.</li> </ul>
<b>C.6</b>	<b>□ WORKSURFACES</b>
• C.6.1	• Overall Dimensions
C.6.1.1	<ul style="list-style-type: none"> <li>■ Depth shall be at least 24"D.</li> </ul>
C.6.1.2	<ul style="list-style-type: none"> <li>■ Laminate worksurfaces shall be at least 1-3/16" (nom.) thick. Solid surface worksurfaces shall be at least 1" (nom.) thick.</li> </ul>
C.6.1.3	<ul style="list-style-type: none"> <li>■ Widths shall range from 12"W to 120"W to cover single units or to span</li> </ul>

	multiple units.
• C.6.2	• Standard Features
C.6.2.1	■ Two finishes are available:
C.6.2.1.1	○ Laminate – medium density M-3 grade particleboard core with high-pressure laminate surface
C.6.2.1.2	○ Solid surface with self edge
C.6.2.2	■ Backsplash
C.6.2.2.1	○ Laminate worksurfaces shall feature a 4”H backsplash
C.6.2.2.2	○ Solid surface worksurfaces shall feature a 4”H integrated (seamless) backsplash.
C.6.2.3	■ Matching non-handed sidesplashes shall be available to be added in the field.
<b>C.7</b>	<input type="checkbox"/> <b>DESK FRAMES</b>
• C.7.1	• A frame shall be available to span between two base units or a storage unit and a structural wall to create a desk or provide a space to park carts.
• C.7.2	• Dimensions
C.7.2.1	■ 22-1/8” depth shall support a standard worksurface.
C.7.2.2	■ Widths shall be available in: 12”W, 18”W, 24”W, 30”W, 36”W, 42”W, 48”W, 54”W, 60”W or 72”W.
• C.7.3	• Desk Frames shall be available with and without back and side panels to add support to long common worksurface.
• C.7.4	• Hinged door(s) shall be optional on units with back panel.
C.7.4.1	■ Single hinged door units must be able to be specified as left- or right-handed.
C.7.4.2	■ Double doors shall open from the center outward.
C.7.4.3	■ Doors shall feature adjustable Euro-style hinges for 110° opening. Optional five-knuckle hinges shall allow 180° opening or 270° if there is no adjacent unit or other obstruction.
C.7.4.4	■ D-Pulls shall be standard with three additional 128mm pulls available as options (including one flush pull).
C.7.4.5	■ Doors shall be at least 3/4" thick.

C.7.4.6	<ul style="list-style-type: none"> <li>■ Factory-installed face lock must be optional to secure the door(s). Field-installed locks shall be an option.</li> </ul>
<b>D</b>	<b>CONSTRUCTION METHODS, MATERIALS UTILIZED, AND ASSOCIATED BENEFITS</b>
<b>D.1</b>	<input type="checkbox"/> <b>CABINETS (ALL)</b>
• D.1.1	<ul style="list-style-type: none"> <li>• Panels shall be constructed of a medium density M-3 grade particleboard core covered with melamine. Panels shall be 3/4" or 1" nominal finished thickness and must feature balanced construction to prevent bowing or warping. Melamine shall be applied to both faces. The melamine must be permanently attached and reinforced under pressure to the wood core. A 1mm plastic edgeband must be applied to all exposed edges of the panel to prevent any outgassing from exposed particleboard.</li> </ul>
• D.1.2	<ul style="list-style-type: none"> <li>• Panels shall be factory-assembled with concealed cam-lock hardware.</li> </ul>
<b>D.2</b>	<input type="checkbox"/> <b>DOORS (ALL)</b>
• D.2.1	<ul style="list-style-type: none"> <li>• Doors shall be constructed of a medium density M-3 grade particleboard core covered with melamine. Doors shall be 3/4" nominal finished thickness and must feature balanced construction to prevent bowing or warping. Melamine shall be applied to both faces. The melamine must be permanently attached and reinforced under pressure to the wood core. A 3mm plastic edgeband must be applied to all exposed edges of the door to prevent any outgassing from exposed particleboard.</li> </ul>
• D.2.2	<ul style="list-style-type: none"> <li>• Doors shall feature adjustable Euro-style hinges for 110° opening. Optional five-knuckle hinges shall allow 180° opening or 270° if there is no adjacent unit or other obstruction.</li> </ul>
• D.2.3	<ul style="list-style-type: none"> <li>• Pulls shall be stainless steel, fastened to the drawer fronts with screws.</li> </ul>
<b>D.3</b>	<input type="checkbox"/> <b>DRAWERS (ALL)</b>
• D.3.1	<ul style="list-style-type: none"> <li>• Drawer fronts shall be constructed of a medium density M-3 grade particleboard core covered with melamine. Drawer fronts shall be 3/4" nominal finished thickness and must feature balanced construction to prevent bowing or warping. Melamine shall be applied to both faces. The melamine must be permanently attached and reinforced under pressure to the wood core. A 1mm plastic edgeband must be applied to all exposed edges of the drawer front to prevent any outgassing from exposed particleboard.</li> </ul>
• D.3.2	<ul style="list-style-type: none"> <li>• Drawer sides shall be steel and shall feature flanges for the slides.</li> </ul>
• D.3.3	<ul style="list-style-type: none"> <li>• Drawer bottom and back panels shall be at least 1/2" thick particle board core covered with white melamine. The melamine must be permanently attached and reinforced under pressure to the wood core. A 1mm plastic</li> </ul>

	edgeband must be applied to all exposed edges of the panel to prevent any outgassing from exposed particleboard.
• D.3.4	• Pulls shall be steel or zinc alloy, fastened to the drawer fronts with screws.
<b>D.4</b>	<input type="checkbox"/> <b>WORKSURFACES</b>
• D.4.1	• High-Pressure Laminate (HPL) worksurfaces shall be constructed of a medium density M-3 grade particleboard core covered with HPL on the top and a laminate backer sheet on the bottom. Worksurfaces shall be 1-3/16" nominal finished thickness and must feature balanced construction to prevent bowing or warping. The HPL must be permanently attached and reinforced under pressure to the wood core. A 1mm plastic edgeband must be applied to exposed side and rear edges of the worksurface and 3mm edgeband to the front (user) edge to prevent any outgassing from exposed particleboard.
D.4.1.1	▪ A 4"H HPL back splash of similar construction shall be factory-installed.
• D.4.2	• Solid surface worksurfaces shall be 1" nominal thickness with an integrated backsplash.
<b>E</b>	<b>SURFACE MATERIALS</b>
<b>E.1</b>	<input type="checkbox"/> <b>MODULAR BASE STORAGE AND SINK CABINETS</b>
• E.1.1	• Cabinet body and door/drawer fronts shall be available in at least 7 melamine finishes. Edge color shall match.
• E.1.2	• Drawer interiors shall be white.
• E.1.3	• Drawer pulls shall be a nickel finish, except Opus style which shall be champagne.
• E.1.4	• Door hinges shall be a nickel finish.
<b>E.2</b>	<input type="checkbox"/> <b>MODULAR STORAGE CABINETS, BOOKCASES , WARDROBE CABINETS AND DESK FRAMES</b>
• E.2.1	• Cabinet body and door fronts shall be available in at least 7 melamine finishes. Edge color shall match.
• E.2.2	• Drawer interiors shall be white.
• E.2.3	• Drawer pulls shall be a nickel finish, except Opus style which shall be champagne.
<b>E.3</b>	<input type="checkbox"/> <b>UPPER STORAGE</b>
• E.3.1	• Cabinet body and door fronts shall be available in at least 7 melamine finishes. Edge color shall match.

<b>E.4</b>	<input type="checkbox"/> <b>WORKSURFACES AND SIDE SPLASHES</b>
• E.4.1	• High-Pressure Laminate worksurfaces and side splashes shall be offered in at least 40 finishes (including woodgrain finishes). Open Line Laminates (OLL) shall also be available.
• E.4.2	• Solid surfaces shall be available in at least four finishes.
<b>F</b>	<b>AWARDS</b>
• F.1	• NA
<b>G</b>	<b>MISCELLANEOUS</b>
• G.1	• Cabinets shall be factory-assembled to save time at installation.
• G.2	• Service parts must be available.
• G.3	• Detailed assembly directions must be available in PDF format online.
• G.4	• Manufacturer must have an established process to easily support special requirements for custom dimensions and other special needs not met by standard product offering.
• G.5	• Customer testimonials/endorsements shall be made available upon request.

	<b>OPUS TECHNICAL SPECIFICATIONS CASEGOODS (BY NURTURE)</b>
<b>A</b>	<b>WARRANTY AND TESTING INFORMATION</b>
<b>A.1</b>	<input type="checkbox"/> <b>WARRANTY</b>
• A.1.1	• Must have lifetime warranty that product shall be free from defects in materials and workmanship (includes shipping, parts and labor for the repair or replacement of defective item.)
A.1.1.1	■ Complete warranty coverage must be available online or upon request.
• A.1.2	• Product shall be designed to withstand the 24/7 usage of typical healthcare clinical spaces.
<b>A.2</b>	<input type="checkbox"/> <b>TESTING</b>
• A.2.1	• Worksurfaces shall meet or exceed ANSI/BIFMA X5.5 Desk Products requirements.

• A.2.2	• Storage units shall meet or exceed ANSI/BIFMA X5.9-2004 requirements with one exception: since the intent of this product is storage of clothing and light articles, paper media testing in Section 13 do not apply.
• A.2.3	• Cleanability of dry erase markers on markerboard surfaces shall be supported with documentation. Must include at least a week-long ambient and a week-long 140°F temperature test.
• A.2.4	• Particleboard shall meet requirements as defined by ANSI A208.1 and ASTM D 1037.
<b>B</b>	<b>ENVIRONMENTAL FEATURES</b>
<b>B.1</b>	<input type="checkbox"/> <b>MATERIALS CHEMISTRY</b>
• B.1.1	• Particleboard used to make this product line must be Composite Panel Association (CPA) Certified for 100% recycled content.
• B.1.2	• Fabrics shall be available for the seat cushion upholstery which meet MBDC Cradle-to-Cradle Gold sustainable design certification. These fabrics contain less than 100 parts per million of any heavy metals of concern, which includes antimony, which is traditionally found in polyester fabrics.
<b>B.2</b>	<input type="checkbox"/> <b>LIFE CYCLE ASSESSMENT</b>
• B.2.1	• In lieu of disposing furniture in a landfill at the end of its useful life, the Manufacturer must provide opportunities for the Customer to recycle, resell or refurbish their used furniture
<b>B.3</b>	<input type="checkbox"/> <b>RECYCLED CONTENT AND RECYCLABILITY</b>
• B.3.1	• Mobile bedside table shall be constructed of up to 52% recycled content
B.3.1.1	■ 7% post consumer content
B.3.1.2	■ 45% pre consumer content
• B.3.2	• Mobile bedside table must be up to 19% recyclable at end of life
• B.3.3	• Typical casegoods application shall be constructed of up to 77% recycled content
B.3.3.1	■ 2% post consumer content
B.3.3.2	■ 75% pre consumer content
• B.3.4	• Typical casegoods application must be up to 12% recyclable at end of life
<b>B.4</b>	<input type="checkbox"/> <b>CERTIFICATIONS</b>

• B.4.1	• Pending
<b>C</b>	<b>PRODUCT DESIGN FEATURES</b>
<b>C.1</b>	<input type="checkbox"/> <b>CABINET WITH STORAGE UNIT</b>
• C.1.1	• Overall Dimensions
C.1.1.1	■ Depth shall be at least 20"D (measured at canopy).
C.1.1.2	■ Height shall be at least 84"H.
C.1.1.3	■ Width shall be at least 24"W or 36"W.
• C.1.2	• Storage Dimensions
C.1.2.1	■ Top of storage unit must be able to be specified at 18-1/2"H, 24"H, 30"H or 36"H off the floor.
C.1.2.2	■ Inside depth of 5-1/2"H and 11-1/2"H drawer shall be at least 11"D.
C.1.2.3	■ Inside width of drawers shall be at least 20"W on 24"W cabinets or 32"W on 36"W cabinets.
• C.1.3	• Storage Configuration Options
C.1.3.1	■ The following storage configurations must be offered:
C.1.3.1.1	○ Fully open
C.1.3.1.2	○ One or two hinged doors
C.1.3.1.3	○ All drawers
C.1.3.1.4	○ Combination of drawers and open
C.1.3.2	■ Full extension drawer slides must be available as an option, with standard opening at three quarters of their full depth.
• C.1.4	• Standard Features
C.1.4.1	■ Must be able to stand alone or adjoin to other units to create a wall unit.
C.1.4.2	■ 4"H base must include adjustable levelers with at least 1-1/2" adjustment range for installation on uneven floors.
C.1.4.3	■ Canopy must enclose the top of the cabinet for a flat surface.
C.1.4.4	■ Locking hinged double-door unit must have two locks, one in each door.

C.1.4.5	<ul style="list-style-type: none"> <li>■ One adjustable shelf must be standard in single door units.</li> </ul>
C.1.4.6	<ul style="list-style-type: none"> <li>■ Two adjustable shelves must be standard in hinged double-door units (one on each side).</li> </ul>
C.1.4.7	<ul style="list-style-type: none"> <li>■ Adjustable shelf must be able to be repositioned with tools.</li> </ul>
C.1.4.8	<ul style="list-style-type: none"> <li>■ Double door unit must have center divider.</li> </ul>
C.1.4.9	<ul style="list-style-type: none"> <li>■ Single hinged door units must be able to be specified as left- or right-handed.</li> </ul>
C.1.4.10	<ul style="list-style-type: none"> <li>■ Drawer fronts shall feature a flush pull for ease of motion around the cabinet and to allow adjacent sliding doors to move freely in front.</li> </ul>
C.1.4.11	<ul style="list-style-type: none"> <li>■ Back and sides shall be finished to allow the cabinet to stand alone or be used in right- or left-hand positions.</li> </ul>
C.1.4.12	<ul style="list-style-type: none"> <li>■ Self-closing drawer slides must feature steel rails with quiet nylon rollers and must feature a stop to prevent accidental over-extension.</li> </ul>
C.1.4.13	<ul style="list-style-type: none"> <li>■ Canopy must provide a 2" deep concealed space for lighting and routing of cables and cords.</li> </ul>
C.1.4.14	<ul style="list-style-type: none"> <li>■ Must have 3" deep cavity behind the back of the base unit to provide for a space for cords and cables to be stored.</li> </ul>
C.1.4.15	<ul style="list-style-type: none"> <li>■ Pass throughs must be able to be cut in the field to pass cords and cables from one adjacent unit to another.</li> </ul>
C.1.4.16	<ul style="list-style-type: none"> <li>■ Field-installation of upper storage cabinets on the base unit must be available to accommodate additional storage and display needs.</li> </ul>
● C.1.5	● Available Options
C.1.5.1	<ul style="list-style-type: none"> <li>■ Factory-installed face lock must be optional to secure the door to top drawer.</li> </ul>
C.1.5.2	<ul style="list-style-type: none"> <li>■ Select units must be designed for field installation of a sink (which must be purchased independently).</li> </ul>
C.1.5.3	<ul style="list-style-type: none"> <li>■ Top of storage unit must have the ability to be omitted for special, field-installed top applications, including a common top or solid surface material, such as Corian.</li> </ul>
C.1.5.4	<ul style="list-style-type: none"> <li>■ Factory-cut light switch cutouts in the base unit and factory-cut light cutouts in the canopy shall be available</li> </ul>
<b>C.2</b>	<input type="checkbox"/> <b>DESK CABINET</b>
● C.2.1	● Overall Dimensions

C.2.1.1	<ul style="list-style-type: none"> <li>■ Depth shall be at least 20"D (measured at canopy).</li> </ul>
C.2.1.2	<ul style="list-style-type: none"> <li>■ Height shall be at least 84"H.</li> </ul>
C.2.1.3	<ul style="list-style-type: none"> <li>■ Width shall be at least 24"W or 36"W.</li> </ul>
• C.2.2	<ul style="list-style-type: none"> <li>• Desktop Dimensions</li> </ul>
C.2.2.1	<ul style="list-style-type: none"> <li>■ Must offer sitting- and standing-height models, with worksurfaces located at 30"H and 36"H from the floor respectively.</li> </ul>
C.2.2.2	<ul style="list-style-type: none"> <li>■ Straight edge worksurface of standing-height units shall be 15"D. Bowed worksurface shall extend to 20"D in the center on sitting-height units.</li> </ul>
• C.2.3	<ul style="list-style-type: none"> <li>• Standard Features</li> </ul>
C.2.3.1	<ul style="list-style-type: none"> <li>■ Must feature an open space at the front of the base for a chair or stool.</li> </ul>
C.2.3.2	<ul style="list-style-type: none"> <li>■ Must be able to stand alone or adjoin to other units to create a wall unit.</li> </ul>
C.2.3.3	<ul style="list-style-type: none"> <li>■ End panels must include adjustable levelers with at least 1-1/2" adjustment range for installation on uneven floors.</li> </ul>
C.2.3.4	<ul style="list-style-type: none"> <li>■ Canopy must enclose the top of the cabinet for a flat surface.</li> </ul>
C.2.3.5	<ul style="list-style-type: none"> <li>■ One fixed shelf must be standard in standing-height units.</li> </ul>
C.2.3.6	<ul style="list-style-type: none"> <li>■ Back and sides shall be finished to allow the cabinet to stand alone or be used in right- or left-hand positions.</li> </ul>
C.2.3.7	<ul style="list-style-type: none"> <li>■ Canopy must provide a 2" deep concealed space for lighting and routing of cables and cords.</li> </ul>
C.2.3.8	<ul style="list-style-type: none"> <li>■ Must have 3" deep cavity behind the back of the base unit to provide for a space for cords and cables to be stored.</li> </ul>
C.2.3.9	<ul style="list-style-type: none"> <li>■ Pass throughs must be able to be cut in the field to pass cords and cables from one adjacent unit to another.</li> </ul>
C.2.3.10	<ul style="list-style-type: none"> <li>■ Field-installation of upper storage cabinets on the base unit must be available to accommodate storage and display needs</li> </ul>
• C.2.4	<ul style="list-style-type: none"> <li>• Available Options</li> </ul>
C.2.4.1	<ul style="list-style-type: none"> <li>■ Factory-cut light switch cutouts in the base unit and factory-cut light cutouts in the canopy shall be available.</li> </ul>
<b>C.3</b>	<input type="checkbox"/> <b>CONFERENCE TABLE CABINET</b>

• C.3.1	• Overall Dimensions
C.3.1.1	■ Depth shall be at least 20"D (measured at canopy).
C.3.1.2	■ Height shall be at least 84"H.
C.3.1.3	■ Width shall be at least 36"W, 48"W or 72"W.
• C.3.2	• Desktop Dimensions
C.3.2.1	■ Worksurface shall located at 30"H from the floor to accommodate seated users.
C.3.2.2	■ Bowed worksurface shall extend out to 30"D in the center.
• C.3.3	• Standard Features
C.3.3.1	■ Must feature an open space at the front of the base for chairs.
C.3.3.2	■ Must be able to stand alone or adjoin to other units to create a wall unit.
C.3.3.3	■ End panels must include adjustable levelers with at least 1-1/2" adjustment range for installation on uneven floors.
C.3.3.4	■ Canopy must enclose the top of the cabinet for a flat surface.
C.3.3.5	■ A floor support shall be located under the worksurface in the center for structural integrity.
C.3.3.6	■ Back and sides shall be finished to allow the cabinet to stand alone or be used in right- or left-hand positions.
C.3.3.7	■ Canopy must provide a 2" deep concealed space for lighting and routing of cables and cords.
C.3.3.8	■ Must have 3" deep cavity behind the back of the base unit to provide for a space for cords and cables to be stored.
C.3.3.9	■ Pass throughs must be able to be cut in the field to pass cords and cables from one adjacent unit to another.
C.3.3.10	■ Field-installation of upper storage cabinets on the base unit must be available to accommodate storage and display needs.
• C.3.4	• Available Options
C.3.4.1	■ Factory-cut light switch cutouts in the base unit and factory-cut light cutouts in the canopy shall be available.
<b>C.4</b>	<input type="checkbox"/> <b>WARDROBE CABINET WITH SLIDING DOOR OR SWING DOOR</b>

• C.4.1	• Overall Dimensions
C.4.1.1	■ Depth shall be at least 20”D (measured at canopy).
C.4.1.2	■ Height shall be at least 84”H.
C.4.1.3	■ Width shall be at least 24”W.
• C.4.2	• Standard Features
C.4.2.1	■ Door must be able to be specified as sliding or swing.
C.4.2.2	■ Sliding door must slide side-to-side without impeding traffic in the room.
C.4.2.3	■ Sliding door with markerboard must feature an aluminum full-length integral pull on each side. Sliding door with melamine finish shall feature a side-mounted rail pull.
C.4.2.4	■ Sliding door must be able to open to the left or right side as long as there is an adjacent unit to support the door.
C.4.2.5	■ Swing door shall feature a front-mounted rail pull.
C.4.2.6	■ Swing door shall feature at least three Euro-style adjustable hinges.
C.4.2.7	■ Hanger bar must run front-to-back under a fixed shelf to provide storage for items like hats and coats.
C.4.2.8	■ Markerboard surface must be resistant to bacteria, chemicals, scratches, fire, stains, and graffiti.
C.4.2.9	■ Sliding door shall be available with a markerboard surface on the whole door or just the top half. Porcelain-coated steel markerboard surface must have magnetic qualities.
C.4.2.10	■ Must be able to stand alone or adjoin to other units to create a wall unit.
C.4.2.11	■ 4”H base must include adjustable levelers with at least 1-1/2” adjustment range for installation on uneven floors.
C.4.2.12	■ Canopy must enclose the top of the cabinet for a flat surface.
C.4.2.13	■ One fixed shelf shall be provided for an additional storage space.
C.4.2.14	■ Swing door units must be able to be specified as left- or right-handed.
C.4.2.15	■ Back and sides shall be finished to allow the cabinet to stand alone or be used in right- or left-hand positions
• C.4.3	• Available Options

C.4.3.1	<ul style="list-style-type: none"> <li>■ Factory-installed lock must be optional to secure the door.</li> </ul>
C.4.3.2	<ul style="list-style-type: none"> <li>■ A factory-installed shelf package consisting of at least one fixed shelf and three adjustable shelves must be available.</li> </ul>
<b>C.5</b>	<input type="checkbox"/> <b>BEDSIDE TABLE WITH CASTERS</b>
• C.5.1	• Overall Dimensions
C.5.1.1	<ul style="list-style-type: none"> <li>■ Depth shall be at least 18"D.</li> </ul>
C.5.1.2	<ul style="list-style-type: none"> <li>■ Height shall be at least 42"H.</li> </ul>
C.5.1.3	<ul style="list-style-type: none"> <li>■ Width shall be at least 20-1/2"W.</li> </ul>
• C.5.2	• Storage Dimensions
C.5.2.1	<ul style="list-style-type: none"> <li>■ Inside depth of 6"H and 11-1/2"H drawer shall be at least 12-1/2"D.</li> </ul>
C.5.2.2	<ul style="list-style-type: none"> <li>■ Inside width of drawers shall be at least 14-1/2"W.</li> </ul>
• C.5.3	• Storage Configuration Options
C.5.3.1	<ul style="list-style-type: none"> <li>■ The following storage configurations must be offered:</li> </ul>
C.5.3.1.1	<ul style="list-style-type: none"> <li>○ All drawers</li> </ul>
C.5.3.1.2	<ul style="list-style-type: none"> <li>○ Combination of lower drawer and open above</li> </ul>
• C.5.4	• Standard Features
C.5.4.1	<ul style="list-style-type: none"> <li>■ Back and sides must be finished so it can be used as stand alone or be placed next to other cabinets.</li> </ul>
C.5.4.2	<ul style="list-style-type: none"> <li>■ Must be moveable with two locking and two non-locking dual-wheel casters of at least 3-1/2" diameter.</li> </ul>
C.5.4.3	<ul style="list-style-type: none"> <li>■ Top surface must feature steel rails to help facilitate table positioning.</li> </ul>
C.5.4.4	<ul style="list-style-type: none"> <li>■ Back of unit shall extend above the top surface by at least 5-3/4". Extended back helps to prevent items from falling off the back edge of the top surface.</li> </ul>
C.5.4.5	<ul style="list-style-type: none"> <li>■ Must have durable vinyl edgeband on base to provide a cushion to protect surrounding walls and furniture from accidental bumps.</li> </ul>
• C.5.5	• Available Options
C.5.5.1	<ul style="list-style-type: none"> <li>■ Must have optional face lock for top drawer only.</li> </ul>
<b>C.6</b>	<input type="checkbox"/> <b>MOBILE OVERBED TABLE (REFER TO SEPARATE BID SPEC)</b>

<b>C.7</b>	<input type="checkbox"/> <b>OVERHEAD SHELVES FOR FIELD-INSTALLATION ON CABINET</b>
• C.7.1	• Overall Dimensions
C.7.1.1	■ Depth shall be at least 12"D. Bowed-front versions shall add 3" to the depth in the center.
C.7.1.2	■ Width shall be at least 24"W or 36"W.
C.7.1.3	■ Box unit models shall be at least 24"H or 36"H.
• C.7.2	• Other Product Design Features and Associated Benefits
C.7.2.1	■ Shall be available with a straight front edge or a bowed front edge.
C.7.2.2	■ Shelves shall be supported by top mounted cantilevers to maximize available storage space underneath.
C.7.2.3	■ Back of storage cabinets shall be open to keep the cost down as the back is unneeded when the storage unit is properly mounted against the back wall of the cabinet.
C.7.2.4	■ A box unit with fixed shelf shall be available to add storage space to the shelf.
<b>C.8</b>	<input type="checkbox"/> <b>OVERHEAD STORAGE CABINETS WITH DOORS FOR FIELD-INSTALLATION ON CABINET</b>
• C.8.1	• Overall Dimensions
C.8.1.1	■ Depth shall be at least 15"D.
C.8.1.2	■ Height shall be at least 24"H.
C.8.1.3	■ Width shall be at least 24"W or 36"W.
• C.8.2	• Standard Features
C.8.2.1	■ Storage cabinets must feature two hinged doors with Euro-style adjustable hinges.
C.8.2.2	■ Drawer fronts shall feature a flush pull for ease of motion around the cabinet and to allow adjacent sliding doors to move freely in front
C.8.2.3	■ Storage cabinets must be able to have one .75" thick adjustable shelf inside. Adjustments must be on 1.25" increments with at least six positions available. Shelf height must be able to be adjusted by the user without a tool.
C.8.2.4	■ Back of storage cabinets shall be open to keep the cost down as the back is unneeded when the storage unit is properly mounted against the back wall of the cabinet.

• C.8.3	• Available Options
C.8.3.1	■ Factory-installed face lock must be optional to secure the door to top drawer.
<b>C.9</b>	□ <b>ACCESSORIES</b>
• C.9.1	• Common tops shall be available to span multiple cabinets to minimize seams. Shall be available in 15”D and 48”W, 60”W, 72”W or 84”W.
• C.9.2	• Field-cutable fillers shall be available to fill space between the cabinet and the interior architecture.
C.9.2.1	■ End filler panel shall provide a way to fill the space between the end of a cabinet and a wall.
C.9.2.2	■ Vertical fascia shall provide a way to fill the space between the cabinet top and ceiling. A ceiling track shall be available for a clean ceiling interface aesthetic. Ceiling heights from 8’6” to 9’6” shall be accommodated without field cutting.
C.9.2.3	■ Inside corner filler shall provide a way to fill an inside corner application.
• C.9.3	• Sloped fascia shall be available to finish the canopy top at a 20° angle. Fascia shall be able to span multiple cabinets.
• C.9.4	• A fascia end panel must be available to finish the end of a cabinet with fascia in an open application for visual closure. A matching slope version shall be available for sloped fascia.
• C.9.5	• Ceiling tracks, straight and 90° corner, shall be available for finishing the fascia at the ceiling.
• C.9.6	• Mounting boards must provide a secondary surface for equipment attachment.
• C.9.7	• Upholstered foam cushion tops, at least 3” thick, must be field-installed to provide additional seating. At least two widths, 24”W and 36”W, shall be available.
• C.9.8	• Coat hooks must be field installed to provide a place to hang a coat or clothes.
• C.9.9	• An LED light fixture shall be available for mounting in the canopy.
• C.9.10	• Anchor brackets shall be available to secure the cabinets to the floor or wall. These brackets can be used in seismic zones and for OSHPD-compliant applications.

D	CONSTRUCTION METHODS, MATERIALS UTILIZED, AND ASSOCIATED BENEFITS
<b>D.1</b>	<input type="checkbox"/> <b>CABINETS</b>
<ul style="list-style-type: none"> <li>• D.1.1</li> </ul>	<ul style="list-style-type: none"> <li>• Panels and worksurfaces shall be constructed of a particleboard core covered with melamine. Panels shall be 1 inch nominal finished thickness and must feature balanced construction to prevent bowing or warping. Melamine shall be applied to the top surface and on the bottom. The melamine must be permanently attached and reinforced under pressure to the wood core. A 3mm plastic edgeband must be applied to all exposed edges of the panel to prevent any outgassing from exposed particleboard.</li> </ul>
<ul style="list-style-type: none"> <li>• D.1.2</li> </ul>	<ul style="list-style-type: none"> <li>• Door hinges must be concealed at 120 degrees with self-closing, adjustable Euro-style.</li> </ul>
<ul style="list-style-type: none"> <li>• D.1.3</li> </ul>	<ul style="list-style-type: none"> <li>• Drawers must be white vinyl-coated particleboard, designed for easy cleaning.</li> </ul>
<ul style="list-style-type: none"> <li>• D.1.4</li> </ul>	<ul style="list-style-type: none"> <li>• Swing doors and drawer fronts must be constructed of a particleboard core covered with laminate on both faces.</li> </ul>
<ul style="list-style-type: none"> <li>• D.1.5</li> </ul>	<ul style="list-style-type: none"> <li>• Swing door hinges must be concealed 120 degrees with self-closing Euro-style.</li> </ul>
<b>D.2</b>	<input type="checkbox"/> <b>STORAGE UNITS</b>
<ul style="list-style-type: none"> <li>• D.2.1</li> </ul>	<ul style="list-style-type: none"> <li>• Specs pending approval</li> </ul>
<b>D.3</b>	<input type="checkbox"/> <b>OVERHEAD STORAGE CABINET</b>
<ul style="list-style-type: none"> <li>• D.3.1</li> </ul>	<ul style="list-style-type: none"> <li>• Must feature two .31" diameter steel rod cantilevers for support.</li> </ul>
<b>D.4</b>	<input type="checkbox"/> <b>BEDSIDE TABLE WITH CASTERS</b>
<ul style="list-style-type: none"> <li>• D.4.1</li> </ul>	<ul style="list-style-type: none"> <li>• Specs pending approval</li> </ul>
<b>D.5</b>	<input type="checkbox"/> <b>MOBILE OVERBED TABLE (REFER TO SEPARATE BID SPEC)</b>
<b>D.6</b>	<input type="checkbox"/> <b>OVERHEAD SHELVES</b>
<ul style="list-style-type: none"> <li>• D.6.1</li> </ul>	<ul style="list-style-type: none"> <li>• Specs pending approval</li> </ul>
<b>D.7</b>	<input type="checkbox"/> <b>OVERHEAD STORAGE CABINETS WITH DOORS</b>
<ul style="list-style-type: none"> <li>• D.7.1</li> </ul>	<ul style="list-style-type: none"> <li>• Specs pending approval</li> </ul>
<b>D.8</b>	<input type="checkbox"/> <b>ACCESSORIES</b>

• D.8.1	• Common tops must be 1" thick constructed of a particleboard core covered with laminate on the top surface.
• D.8.2	• End filler panel and end panel construction must match cabinet panels.
• D.8.3	• Mounting boards must be .75" thick constructed of a particleboard core covered with laminate.
• D.8.4	• Cushion tops must be at least 3" thick upholstered foam.
• D.8.5	• Coat hooks must be steel.
• D.8.6	• Wall and floor anchor brackets must be steel.
• D.8.7	• Ceiling tracks shall be steel.
<b>E</b>	<b>SURFACE MATERIALS</b>
<b>E.1</b>	<input type="checkbox"/> <b>CABINET WITH STORAGE UNIT</b>
• E.1.1	• Cabinet body shall be available in at least 7 melamine finishes. Edge color shall be specified separately and can be complementary or contrasting as desired.
• E.1.2	• Storage unit top and drawer/door fronts shall be available in 7 laminate finishes.
• E.1.3	• Base toe board must be black melamine with matching vinyl edges where exposed.
• E.1.4	• Drawer bodies must be white vinyl-coated particleboard.
• E.1.5	• Flush drawer pulls shall be a metallic finish.
<b>E.2</b>	<input type="checkbox"/> <b>DESK CABINET</b>
• E.2.1	• Cabinet body shall be available in at least 7 melamine finishes. Edge color shall be specified separately and can be complementary or contrasting as desired.
<b>E.3</b>	<input type="checkbox"/> <b>CONFERENCE TABLE CABINET</b>
• E.3.1	• Cabinet body shall be available in at least 7 melamine finishes. Edge color shall be specified separately and can be complementary or contrasting as desired.
<b>E.4</b>	<input type="checkbox"/> <b>WARDROBE CABINET</b>

• E.4.1	• Cabinet body, fixed shelf and swing door shall be available in at least 7 melamine finishes. Edge color shall be specified separately and can be complementary or contrasting as desired.
• E.4.2	• Base toe board must be black melamine with matching vinyl edges where exposed.
• E.4.3	• Sliding door must be able to be specified in three finishes:
E.4.3.1	■ Melamine shall be available in at least 7 finishes. Edge color shall be specified separately and can be complementary or contrasting as desired.
E.4.3.2	■ Markerboard shall be available in white finish.
E.4.3.3	■ Top half markerboard and bottom half melamine.
• E.4.4	• Hanger bar shall be a painted white finish.
• E.4.5	• Door pull shall be a metallic finish.
<b>E.5</b>	<input type="checkbox"/> <b>OVERHEAD STORAGE CABINET AND SHELVES</b>
• E.5.1	• Shelf shall be available in at least 7 laminate finishes. Edge color shall be specified separately and can be complementary or contrasting as desired.
• E.5.2	• Cabinet body and box unit shall be available in at least 7 melamine finishes. Edge color shall be specified separately and can be complementary or contrasting as desired.
• E.5.3	• Flush drawer pulls shall be a metallic finish.
• E.5.4	• Shelf cantilevers shall be a metallic finish.
<b>E.6</b>	<input type="checkbox"/> <b>BEDSIDE TABLE WITH CASTERS</b>
• E.6.1	• Cabinet body shall be available in at least 7 melamine finishes. Edge color shall be specified separately and can be complementary or contrasting as desired.
• E.6.2	• Table top and drawer fronts shall be available in 7 laminate finishes. Edge color shall be specified separately and can be complementary or contrasting as desired.
• E.6.3	• Flush drawer pulls shall be a metallic finish.
• E.6.4	• Casters shall be black.
• E.6.5	• Top rails shall be a metallic finish.

<b>E.7</b>	<input type="checkbox"/> <b>ACCESSORIES</b>
• E.7.1	• Common tops shall be available in at least 7 laminate finishes. Edge color shall be specified separately and can be complementary or contrasting as desired.
• E.7.2	• Field-cutttable fillers and fascia shall be available in at least 7 melamine finishes.
• E.7.3	• Mounting boards shall be available in at least 7 melamine finishes. Edge color shall be specified separately and can be complementary or contrasting as desired.
• E.7.4	• Upholstered foam cushion tops shall be available in at least 17 fabric families and at least 1 vinyl family. Graded-in fabrics shall also be available, including a selection of environmental fabrics. Fire Code seating (FCS) upholstery is also available.
• E.7.5	• Coat hooks shall be available in a metallic finish.
• E.7.6	• Ceiling tracks shall be painted white.
<b>F</b>	<b>AWARDS</b>
• F.1	• NeoCon 2006 Gold award winner in the Healthcare Solutions category
<b>G</b>	<b>MISCELLANEOUS</b>
• G.1	• Cabinets shall be shipped ready to assemble using common tools.
• G.2	• Components shall feature pre-drilled holes to keep on-site drilling and the dust generated to a minimum.
• G.3	• Service parts must be available.
• G.4	• Detailed assembly directions must be available in PDF format online.

**4. Statutory Authority Permitting Other than Full and Open Competition:**

- (X) (1) Only One Responsible Source and No Other Supplies or Services Will Satisfy Agency Requirements per FAR 6.302-1;
- ( ) (2) Unusual and Compelling Urgency per FAR 6.302-2;
- ( ) (3) Industrial Mobilization, Engineering, Developmental or Research Capability or Expert Services per FAR 6.302-3;
- ( ) (4) International Agreement per FAR 6.302-4
- ( ) (5) Authorized or Required by Statute FAR 6.302-5;
- ( ) (6) National Security per FAR 6.302-6;
- ( ) (7) Public Interest per FAR 6.302-7;

**5. Demonstration that the Contractor's Unique Qualifications or Nature of the Acquisition Requires the Use of the Authority Cited Above (applicability of authority):**

Modular Casework-"Folio" Nurture by Steelcase bedroom wardrobe, the "Opus" Nurture by Steelcase bedroom bedroom side cabinet with desk and sink, the "Opus" Nurture by Steelcase dining room kitchenette: Restriction of sources for this acquisition is justified in accordance with FAR 8.405-6(b)(3), the item is peculiar to one manufacturer. Although there are other manufacturers of manufactured wood casework that can meet the Government's minimum requirements, it is not in the Government's best interest to award an acquisition to any other brand. The finishes for the project are developed, selected and approved based on aesthetic and functional criteria of the VAMC director, interior designer, and A/E. The selection process evaluates multiple manufacturer's product lines and colors, to develop a final collection that meets the needs of the VAMC. The brands selected form a unique décor which could not be achieved or ensured based on non proprietary bidding.

**6. Description of Efforts Made to ensure that offers are solicited from as many potential sources as deemed practicable:**

The AE designing this project made every effort to specify generic items, however in design process only the products listed above meet the unique design criteria of this construction project. There is no restriction on suppliers of the products specified, only on the manufacturer. While these products are specified, most can be procured from multiple sources.

**7. Determination by the Contracting Officer that the Anticipated Cost to the Government will be Fair and Reasonable:**

It is anticipated that the prime construction contractor will obtain multiple quotes from various suppliers for the specified items, thus ensuring fair and reasonable price determination.

**8. Description of the Market Research Conducted and the Results, or a Statement of the Reasons Market Research Was Not Conducted:**

No market research was conducted as the prime contractor for these products is responsible for purchase/procurement of specified products. It is anticipated that prime construction contractor will be able to obtain price competition for these items.

**9. Any Other Facts Supporting the Use of Other than Full and Open Competition:**

These items are specified as design criteria to complete a unique atmosphere and work environment. Deviation from these products would jeopardize the aesthetic feel and functionality of the design.

**10. Listing of Sources that Expressed, in Writing, an Interest in the Acquisition:**

See Section VI above.

**11. A Statement of the Actions, if any, the Agency May Take to Remove or Overcome any Barriers to Competition before Making subsequent acquisitions for the supplies or services required:**

The products specified for this construction project are the only products that meet the Government's needs for the specified design. There is no restriction on suppliers of the products specified, only on the manufacturer. In the future the VA will continue to urge AE design firms to write specifications that allow for more diverse product placement and less restrictive requirements.

12. **Requirements Certification:** I certify that the requirement outlined in this justification is a Bona Fide Need of the Department of Veterans Affairs and that the supporting data under my cognizance, which are included in the justification, are accurate and complete to the best of my knowledge and belief.

Richard McKeary Assistant Chief Engineer March 14, 2012  
for Thaddeus Kocuba Date  
Chief of Engineering  
Lebanon VA Medical Center

13. **Approvals in accordance with FAR 6.304**

a. **Contracting Officer's Certification (required):** I certify that the foregoing justification is accurate and complete to the best of my knowledge and belief.

Seth J. Custer 3/14/12  
Seth J. Custer Date  
Chief of Contracting  
Lebanon VA Medical Center

b. **Network Contracting Manager's Delegate Certification (required):** I certify that the foregoing justification is accurate and complete to the best of my knowledge and belief.

Robert Del Campo 14 MARCH 2012  
Robert Del Campo Date  
Construction Team Manager  
NCO 4