

SALIENT CHARACTERISTICS – STEELCASE OPUS MODULAR CASAWORK, HC2484JL / HC2484WHRL / HAC2, OR EQUAL

1. GENERAL

Modular casework wardrobe and cabinet with cushion topped storage drawers for bench seating in Dressing rooms

2. Warranty Requirements

- Must have lifetime warranty that the product is free from defects in materials and workmanship (includes shipping, parts, and labor for repair or replacement of defective item). Exceptions to the warranty may apply to certain components, as listed on manufacturer literature.

3. Technical Specification and Code Requirement

- Modular casework shall be constructed of at least 77% recycled content (post and pre-consumer) and be at least 12% recyclable at end of life
- Product shall be manufactured using sustainable facility processes
- Product shall be manufactured in a FSC Chain of Custody Certified plant to assure that wood is harvested from environment tally-managed forests
- Shipping packing materials shall be reusable and/or recyclable

4. Environmental Features

- Meets or exceeds ANSI/BIFMA X5.9 Storage Products tests
- Meets or exceeds UL 1286 and is designed in compliance with NFPA 70 National Electric Code
- Product shall be tested and compliant with UL 723 Test for Surface Burning Characteristics of Building Materials using ASTM E 84 Standard Test Method
- Must comply with OSHPD/OPA-1707-07 pre-approval for anchorage
- Product shall be tested to National Motor Freight standards to ensure packaging and shipment methods will prevent transit damage
- Standard high-pressure laminates meet or exceed NEMA LD3-2005 High-Pressure Decorative Laminate standards.
- MDF shall comply with ANSI 208.1 and ASTM D 1037, and shall comply with ANSI 208.2
- Cushion padding materials and fabric shall comply with CA TB117-2013, with no halogenated flame retardants in foam.
- Testing of fabric abrasion, stain resistance, and durability documentation must be available upon request.

5. Dimensions and Features

- Overall Dimensions: Approximately 19.6" - 20.6" Depth x 71.6" - 72.6" Width x 83" - 85" Height
 - Cabinet J application HC2484JL-SC/J/84/24: Approximately 24" Width x 84" Height (2)
 - Wardrobe with Hinged door HC2484WHRL-WR/84/24-SL: Approximately 24" Width x 84" Height
 - Height panel filler: Approximately 6.6" width; 84" Height
 - Cushion HAC24-CUSH/24: Approximately 24" Width;
- **SD-1.1**, 72"W Opus Dressing Room Wardrobe cabinet with storage Bench
- Integral base is 4" H; leveling glides on each corner shall adjust with 1 ½" range
- Unit with storage drawer is 18 1/2" H and features canopy to enclose the top of the cabinet and coordinate with wardrobe unit

- Wardrobe to feature a right hand hinged door, fixed shelf and hanger bar (hanger bar runs from the front to the back of the cabinet)
- 3" D cavity behind the cabinet provides a space for storing cords and cables
- Provide factory installed locks for wardrobe and drawers, keyed random
- Cushion top provided for 18 ½" H storage units to provide additional seating

6. Construction Methods

- Drawers include full depth roller slide extension with a drawer stop to prevent accidental removal
- Pulls are flush with the drawer front for ease of motion around the cabinet and to allow clearance for sliding doors
- Cam-lock assembly hardware is used to connect the canopy and base to the back of the cabinet
- Storage unit is set in place and fastened to the base unit
- Bolts, included with the cabinet, are used to align adjacent cabinets in a multi-unit configuration. The bolts can be removed and reinstalled if a different wall configuration is desired

7. Surface Material

- Outer surfaces: Laminate
- Inner surfaces: Melamine (black option available)
- Edge banding: 3mm plastic to match
- Cushion Top: Fabrics available in graded-in and COM options
- Lock and Pulls: Polished Chrome
- All selected finishes must be approved by VA Interior Designer
 - Surface: 2576 Flamingo Cherry
 - Edge: 2576 Flamingo Cherry
 - Lock: 9201 Polished Chrome
 - Cushion: 5S15 Coconut

8. SUMMARY

- Service parts must be available
- Modularity allows for easy installation and redesign, finished sides to allow for layout flexibility
- Manufacturer has the ability to create custom solutions based on customer's needs.
- Work surfaces shall not be affected by ordinary household solvents, acids, alcohols, or salt solutions and is capable of being wiped clean with ordinary household cleaning solutions
- Must visually coordinate with storage units (office file cabinets, hinged door cabinets, bookcases), and office tables

STEELCASE UNIVERSAL COMBINATION LATERAL AND STORAGE CABINET, 2H AND 3H, WITH 1 AND 2 ADJUSTABLE SHELF RCC18304AF, RCC18364AF, RCC18365EF, RCC18425EF, OR EQUAL

1. GENERAL

Powder coated steel 2H and 3H lateral and storage combination cabinet, with and without laminate top in offices and open areas

2. Warranty Requirements

- Manufacturer must offer a lifetime warranty that product is free from defects in materials and workmanship (includes shipping, parts and labor for the repair or replacement of defective item.) Exceptions to the warranty may apply to certain components, as listed on manufacturer literature.

4. Technical Specification and Code Requirement

- Must meet or exceed all ANSI/BIFMA X5.9-2004 Storage Unit Tests
- Lateral drawers shall be tested for 150 lbs. for 75,000 cycles
- Standard high-pressure laminates meet NEMA LD3-2005
- Has documented proof that packaged product underwent shipping vibration and shock testing to ensure product received at customer site is undamaged

3. Environmental Features

- Must be constructed free of environmentally hazardous materials such as PVC, CFC, solvent based adhesives, heavy metals, and benzene; and processes that produce VOC's and the deplete ozone.
- Paint is no-VOC powder coat. Overspray is to be collected, reprocessed and reused
- Files with steel drawer faces shall be constructed from at least 33% recycled content, and be 99% recyclable at end of life
- Must be shipped in recyclable stretch wrap to reduce the amount of corrugated board needed
- Environmental Certification:
 - Level 1 certified for BIFMA e3 sustainability standard
 - SCS Indoor Advantage Gold certified for indoor air quality
- Shipping packing materials shall be reusable and/or recyclable

5. Dimensions and Features

- Overall Dimensions: Approximately 18"-20" depth; 29"-31", 35"-37", and 41"-43" width; 52"-66" height
 - **SC-1.1**, 2H - 2 drawer Combination cabinet with 2 door storage, 1 adj. shelf 18"D x 30"W x 52"H
 - **SC-1.2**, 2H - 2 drawer Combination cabinet with 2 door storage, 1 adj. shelf 18"D x 36"W x 52"H
 - **SC-1.3**, 3H - 3 drawer Combination cabinet with 2 door storage, 1 adj. shelf 18"D x 36"W x 65.6"H
 - **SC-1.4**, 3H - 3 drawer Combination cabinet with 2 door storage, 1 adj. shelf 18"D x 42"W x 65.6"H
- Back must be finished to allow file to be used in the open plan
- 3" high base must be integral with cabinet
- Leveling glides on each corner shall have 7/8" range
- Ganging and tethering hardware must be offered to ensure alignment with adjacent cabinets and add stability
- Heights shall coordinate with heights of adjacent storage (i.e. hinged door cabinets)

- One lock shall lock all drawers, and shall be front-removable to simplify field changes.
- Lock mechanism shall engage both sides of case
- Steel drawer fronts must be 22 Ga. Steel and shall feature flush front with full width integral pull or 7/8" thick overlap front with interchangeable handle pulls. All pulls shall comply with current ADA codes.

6. Construction Methods

- Case (back and sides) shall have 22 Ga. Steel unibody construction with welded 22 Ga. Steel rear horizontal braces and (2) 18 Ga. Vertical steel upright braces to minimize racking and misalignment
- 1" steel top shall span the width and depth of case, and shall have 20 Ga. Steel reinforcing channel for support of top loads
- Base shall be integral to case and consist of 20 Ga. Steel upper pan and lower pan, 13ga. leveling glide brackets, 13 Ga. hex-shaped glide foot
- Drawers:
 - Body shall be a spot-welded assembly with 20 Ga. Steel body and sides, 14 Ga. Interlock bracket
 - Fronts shall have 22 Ga. Steel outer head with integral rectangular pull opening, and 22 Ga. Steel inner head attached to outer head with screws.
 - Must feature heavy-duty steel drawer suspensions which allow drawers to open their full depth
 - Lock system shall be an assembly of two sliding lock channels, 20 Ga. Lock rod shall be bent steel rod actuated by lock cam. Lock barrel shall be zinc die cast. Torsion spring puts tension on lock rod.

7. Surface Material

- All steel components must be available in at least 19 paint finishes, with smooth and metallic finishes (to include white)
- Painted surfaces shall be electrostatically applied, baked on epoxy-polyester hybrid powder coat
- Laminate work surfaces and shared tops, where used, shall have a wood grain finish (to include Clear Maple and Natural Cherry) and feature a square edge profile with scallop
- All selected finishes must be approved by VA Interior Designer
 - Surface: 4242 Milk Smooth
 - Lock: 9201 Polished Chrome

8. SUMMARY

- Service parts must be available
- Manufacturer has the ability to create custom solutions based on customer's needs.
- Work surfaces shall not be affected by ordinary household solvents, acids, alcohols, or salt solutions and is capable of being wiped clean with ordinary household cleaning solutions.
- Lateral files shall be visually compatible with bookcases, hinged door cabinets, and systems workstations
- Service parts must be available
- Must be shipped fully assembled with the exception of adjustable shelves and counterweights
- Manufacturer must provide customized options, for example combination lateral file/open shelf units
- Storage line is a "standard" at the VA Palo Alto, and is already used on campus.

STEELCASE UNIVERSAL 4H TOWER-WORKSTATION LATERAL CABINET, RWV24154AF OR EQUAL

1. General

Powder coated steel 4H Tower-workstation lateral cabinet, with 1" top in multiple office areas.

2. Warranty Requirements

- Manufacturer must offer a lifetime warranty that product is free from defects in materials and workmanship (includes shipping, parts and labor for the repair or replacement of defective item.) Exceptions to the warranty may apply to certain components, as listed on manufacturer literature.

3. Technical Specification and Code Requirements

- Must meet or exceed all ANSI/BIFMA X5.9-2004 Storage Unit Tests
- Lateral drawers shall be tested for 150 lbs. for 75,000 cycles
- Standard high-pressure laminates meet NEMA LD3-2005
- Has documented proof that packaged product underwent shipping vibration and shock testing to ensure product received at customer site is undamaged

4. Environmental Features

- Must be constructed free of environmentally hazardous materials such as PVC, CFC, solvent based adhesives, heavy metals, and benzene; and processes that produce VOC's and the deplete ozone.
- Paint is no-VOC powder coat. Overspray is to be collected, reprocessed and reused
- Files with steel drawer faces shall be constructed from at least 33% recycled content, and be 99% recyclable at end of life
- Must be shipped in recyclable stretch wrap to reduce the amount of corrugated board needed
- Environmental Certification:
 - Level 1 certified for BIFMA e3 sustainability standard
 - SCS Indoor Advantage Gold certified for indoor air quality
- Shipping packing materials shall be reusable and/or recyclable

5. Dimensions and Features

- Overall Dimensions: Approximately 23.6-24.6" depth; 14.6"-15.6" width; 54.6"-52.6" height
 - **ST-1.** 4H, 4 drawer Tower-workstation lateral cabinet with 1" steel top 24"D x 15"W x 52"H
- Back must be finished to allow file to be used in the open plan
- 3" high base must be integral with cabinet
- Leveling glides on each corner shall have 7/8" range
- Ganging and tethering hardware must be offered to ensure alignment with adjacent cabinets and add stability
- Heights shall coordinate with heights of adjacent storage (i.e. hinged door cabinets)
- One lock shall lock all drawers, and shall be front-removable to simplify field changes.
- Lock mechanism shall engage both sides of case
- Steel drawer fronts must be 22 Ga. Steel and shall feature flush front with full width integral pull or 7/8" thick overlap front with interchangeable handle pulls. All pulls shall comply with current ADA codes.

6. Construction Method

- Case (back and sides) shall have 22 Ga. Steel unibody construction with welded 22 Ga. Steel rear horizontal braces and (2) 18 Ga. Vertical steel upright braces to minimize racking and misalignment
- 1" steel top shall span the width and depth of case, and shall have 20 Ga. Steel reinforcing channel for support of top loads
- Base shall be integral to case and consist of 20 Ga. Steel upper pan and lower pan, 13ga. leveling glide brackets, 13 Ga. hex-shaped glide foot
- Drawers:
 - Body shall be a spot-welded assembly with 20 Ga. Steel body and sides, 14 Ga. Interlock bracket
 - Fronts shall have 22 Ga. Steel outer head with integral rectangular pull opening, and 22 Ga. Steel inner head attached to outer head with screws.
 - Must feature heavy-duty steel drawer suspensions which allow drawers to open their full depth
 - Lock system shall be an assembly of two sliding lock channels, 20 Ga. Lock rod shall be bent steel rod actuated by lock cam. Lock barrel shall be zinc die cast. Torsion spring puts tension on lock rod.

7. Surface Materials

- All steel components must be available in at least 19 paint finishes, with smooth and metallic finishes (to include white)
- Painted surfaces shall be electrostatically applied, baked on epoxy-polyester hybrid powder coat
- Laminate work surfaces and shared tops, where used, shall have a wood grain finish (to include Clear Maple and Natural Cherry) and feature a square edge profile with scallop
- All selected finishes must be approved by VA Interior Designer
 - Surface: 4242 Milk Smooth
 - Lock: 9201 Polished Chrome

8. SUMMARY

- Service parts must be available
- Manufacturer has the ability to create custom solutions based on customer's needs.
- Work surfaces shall not be affected by ordinary household solvents, acids, alcohols, or salt solutions and is capable of being wiped clean with ordinary household cleaning solutions.
- Lateral files shall be visually compatible with bookcases, hinged door cabinets, and systems workstations
- Service parts must be available
- Must be shipped fully assembled with the exception of adjustable shelves and counterweights
- Manufacturer must provide customized options, for example combination lateral file/open shelf units
- Storage line is a "standard" at the VA Palo Alto, and is already used on campus.

STEELCASE UNIVERSAL 2-DOOR STORAGE CABINET, WITH 4 ADJUSTABLE SHELVES AND 1" STEEL TOP RSC18365KF OR EQUAL

1. General

Powder coated steel 2 -door storage cabinet, with 4 adjustable shelves and 1" steel top, in multiple office areas.

2. Warranty Requirements

- Manufacturer must offer a lifetime warranty that product is free from defects in materials and workmanship (includes shipping, parts and labor for the repair or replacement of defective item.) Exceptions to the warranty may apply to certain components, as listed on manufacturer literature.

3. Technical Specification and Code Requirements

- Must meet or exceed all ANSI/BIFMA X5.9-2004 Storage Unit Tests
- Lateral drawers shall be tested for 150 lbs. for 75,000 cycles
- Standard high-pressure laminates meet NEMA LD3-2005
- Has documented proof that packaged product underwent shipping vibration and shock testing to ensure product received at customer site is undamaged

4. Environmental Features

- Must be constructed free of environmentally hazardous materials such as PVC, CFC, solvent based adhesives, heavy metals, and benzene; and processes that produce VOC's and the deplete ozone.
- Paint is no-VOC powder coat. Overspray is to be collected, reprocessed and reused
- Files with steel drawer faces shall be constructed from at least 33% recycled content, and be 99% recyclable at end of life
- Must be shipped in recyclable stretch wrap to reduce the amount of corrugated board needed
- Environmental Certification:
 - Level 1 certified for BIFMA e3 sustainability standard
 - SCS Indoor Advantage Gold certified for indoor air quality
- Shipping packing materials shall be reusable and/or recyclable

5. Dimensions and Features

- Overall Dimensions: Approximately 27"-29" depth; 15"-37" width; 65"-67" height
 - **SS-1**, 2 door storage cabinet, with 4 adjustable shelves 1" steel top, 28"D x 36"W x 65.6"H
- Back must be finished to allow file to be used in the open plan
- 3" high base must be integral with cabinet
- Leveling glides on each corner shall have 7/8" range
- Ganging and tethering hardware must be offered to ensure alignment with adjacent cabinets and add stability
- Heights shall coordinate with heights of adjacent storage (i.e. hinged door cabinets)
- One lock shall lock all drawers, and shall be front-removable to simplify field changes.
- Lock mechanism shall engage both sides of case
- Steel drawer fronts must be 22 Ga. Steel and shall feature flush front with full width integral pull or 7/8" thick overlap front with interchangeable handle pulls. All pulls shall comply with current ADA codes.

6. Construction Method

- Case (back and sides) shall have 22 Ga. Steel unibody construction with welded 22 Ga. Steel rear horizontal braces and (2) 18 Ga. Vertical steel upright braces to minimize racking and misalignment
- 1" steel top shall span the width and depth of case, and shall have 20 Ga. Steel reinforcing channel for support of top loads
- Base shall be integral to case and consist of 20 Ga. Steel upper pan and lower pan, 13ga. leveling glide brackets, 13 Ga. hex-shaped glide foot
- Drawers:
 - Body shall be a spot-welded assembly with 20 Ga. Steel body and sides, 14 Ga. Interlock bracket
 - Fronts shall have 22 Ga. Steel outer head with integral rectangular pull opening, and 22 Ga. Steel inner head attached to outer head with screws.
 - Must feature heavy-duty steel drawer suspensions which allow drawers to open their full depth
 - Lock system shall be an assembly of two sliding lock channels, 20 Ga. Lock rod shall be bent steel rod actuated by lock cam. Lock barrel shall be zinc die cast. Torsion spring puts tension on lock rod.

7. Surface Materials

- All steel components must be available in at least 19 paint finishes, with smooth and metallic finishes (to include white)
- Painted surfaces shall be electrostatically applied, baked on epoxy-polyester hybrid powder coat
- Laminate work surfaces and shared tops, where used, shall have a wood grain finish (to include Clear Maple and Natural Cherry) and feature a square edge profile with scallop
- All selected finishes must be approved by VA Interior Designer
 - Surface: 4242 Milk Smooth
 - Lock: 9201 Polished Chrome

8. SUMMARY

- Service parts must be available
- Manufacturer has the ability to create custom solutions based on customer's needs.
- Work surfaces shall not be affected by ordinary household solvents, acids, alcohols, or salt solutions and is capable of being wiped clean with ordinary household cleaning solutions.
- Lateral files shall be visually compatible with bookcases, hinged door cabinets, and systems workstations
- Service parts must be available
- Must be shipped fully assembled with the exception of adjustable shelves and counterweights
- Manufacturer must provide customized options, for example combination lateral file/open shelf units
- Storage line is a "standard" at the VA Palo Alto, and is already used on campus.

STEELCASE UNIVERSAL 2H AND 3H LATERAL FILE CABINET AND BOOKCASE 1-2 ADJUSTABLE SHELVES, WITH 1" LAMINATE COMMON TOP RATCL1860F / RLF18302F, RATCL1872F / RLF18362F, RATCL1872F / RBC15362A / RLF18362F, RATCL1895F / RBC15302A / RLF18302F, RLF18423F, RATCL1848F / RLF18423F, RATCL1872F / RLF18363F, AND RATCL1860F / RLF18303F / RBC15303A, OR EQUAL

1. General

Powder coated steel 2H and 3H lateral file cabinet and bookcase, 1-2 adjustable shelves, with 1" laminate common top in offices and open areas

2. Warranty Requirements

- Manufacturer must offer a lifetime warranty that product is free from defects in materials and workmanship (includes shipping, parts and labor for the repair or replacement of defective item.) Exceptions to the warranty may apply to certain components, as listed on manufacturer literature.

3. Technical Specification and Code Requirements

- Must meet or exceed all ANSI/BIFMA X5.9-2004 Storage Unit Tests
- Lateral drawers shall be tested for 150 lbs. for 75,000 cycles
- Standard high-pressure laminates meet NEMA LD3-2005
- Has documented proof that packaged product underwent shipping vibration and shock testing to ensure product received at customer site is undamaged

4. Environmental Features

- Must be constructed free of environmentally hazardous materials such as PVC, CFC, solvent based adhesives, heavy metals, and benzene; and processes that produce VOC's and the deplete ozone.
- Paint is no-VOC powder coat. Overspray is to be collected, reprocessed and reused
- Files with steel drawer faces shall be constructed from at least 33% recycled content, and be 99% recyclable at end of life
- Must be shipped in recyclable stretch wrap to reduce the amount of corrugated board needed
- Environmental Certification:
 - Level 1 certified for BIFMA e3 sustainability standard
 - SCS Indoor Advantage Gold certified for indoor air quality
- Shipping packing materials shall be reusable and/or recyclable

5. Dimensions and Features

- Overall Dimensions: Approximately 18"-20" depth; 29"-31", 35"-37", and 41"-43" width; 27"-41" height
Common Top Approximately 47"-95.6" width, 1"-1.5" height
 - **SL-1.1**, 2H, (2) 30"W 2 drawer lateral cabinet with 1" 60"W laminate common top 18"D x 60"W x 28"H
 - **SL-1.2**, 2H, (2) 36"W 2 drawer lateral cabinet with 1" 72"W laminate common top 18"D x 72"W x 28"H
 - **SL-1.3**, 2H, (1) 36"W 2 drawer lateral cabinet and (1) 36"W 1 adj. shelf bookcase with 1" 72"W laminate common top 18"D x 72"W x 28"H
 - **SL-1.4**, 2H, (2) 30"W 2 drawer lateral cabinet and (1) 30"W 1 adj. shelf bookcase with 1" 95"W laminate common top 18"D x 95"W x 28"H

- **SL-1.5**, 3H - (1) 42"W 3 drawer lateral cabinet with 1" 42"W laminate top 18"D x 42"W x 40"H
- **SL-1.6**, 3H - (1) 42"W 3 drawer lateral cabinet with 1" 50"W laminate common top 18"D x 50"W x 40"H
- **SL-1.7**, 3H - (2) 36"W 3 drawer lateral cabinet with 1" 72"W laminate common top 18"D x 72"W x 40"H
- **SL-1.8**, 3H - (1) 30"W 3 drawer lateral cabinet and (1) 30"W 2 adj. shelf bookcase with 1" 60"W laminate common top 18"D x 60"W x 40"H
- Back must be finished to allow file to be used in the open plan
- 3" high base must be integral with cabinet
- Leveling glides on each corner shall have 7/8" range
- Ganging and tethering hardware must be offered to ensure alignment with adjacent cabinets and add stability
- Heights shall coordinate with heights of adjacent storage (i.e. hinged door cabinets)
- One lock shall lock all drawers, and shall be front-removable to simplify field changes.
- Lock mechanism shall engage both sides of case
- Steel drawer fronts must be 22 Ga. Steel and shall feature flush front with full width integral pull or 7/8" thick overlap front with interchangeable handle pulls. All pulls shall comply with current ADA codes.

6. Construction Method

- Case (back and sides) shall have 22 Ga. Steel unibody construction with welded 22 Ga. Steel rear horizontal braces and (2) 18 Ga. Vertical steel upright braces to minimize racking and misalignment
- 1" steel top shall span the width and depth of case, and shall have 20 Ga. Steel reinforcing channel for support of top loads
- Base shall be integral to case and consist of 20 Ga. Steel upper pan and lower pan, 13ga. leveling glide brackets, 13 Ga. hex-shaped glide foot
- Drawers:
 - Body shall be a spot-welded assembly with 20 Ga. Steel body and sides, 14 Ga. Interlock bracket
 - Fronts shall have 22 Ga. Steel outer head with integral rectangular pull opening, and 22 Ga. Steel inner head attached to outer head with screws.
 - Must feature heavy-duty steel drawer suspensions which allow drawers to open their full depth
 - Lock system shall be an assembly of two sliding lock channels, 20 Ga. Lock rod shall be bent steel rod actuated by lock cam. Lock barrel shall be zinc die cast. Torsion spring puts tension on lock rod.

7. Surface Materials

- All steel components must be available in at least 19 paint finishes, with smooth and metallic finishes (to include white)
- Painted surfaces shall be electrostatically applied, baked on epoxy-polyester hybrid powder coat
- Laminate work surfaces and shared tops, where used, shall have a wood grain finish (to include Clear Maple and Natural Cherry) and feature a square edge profile with scallop
- All selected finishes must be approved by VA Interior Designer
 - Surface: 4242 Milk Smooth
 - Lock: 9201 Polished Chrome

8. SUMMARY

- Service parts must be available

- Manufacturer has the ability to create custom solutions based on customer's needs.
- Work surfaces shall not be affected by ordinary household solvents, acids, alcohols, or salt solutions and is capable of being wiped clean with ordinary household cleaning solutions.
- Lateral files shall be visually compatible with bookcases, hinged door cabinets, and systems workstations
- Service parts must be available
- Must be shipped fully assembled with the exception of adjustable shelves and counterweights
- Manufacturer must provide customized options, for example combination lateral file/open shelf units
- Storage line is a "standard" at the VA Palo Alto, and is already used on campus.

DRAFT

STEELCASE MOVE CHAIR, WITH PLASTIC BACK AND ARMS, UPHOLSTERED SEAT, AND CASTERS, 490412C OR EQUAL

1. General

A stacking chair with fixed arms, plastic back, upholstered seat, and casters. Under slim upholstered seat is a system of dynamic flexors that curve to fit body curves. 300 lbs. weight capacity. Stacks of 5 high. To be placed in 1st – 3rd floor office and workrooms.

2. Warranty Requirements

- Manufacturer shall offer a lifetime warranty that product is free from defects in materials and workmanship. (Includes shipping parts and labor for the repair or replacement of defective item)
- The following lifetime warranty exceptions shall be allowed.
- Mechanisms, Pneumatic Cylinders, arm caps foam, glides and casters shall have a minimum of 12 years warranty
- A selection of textiles shall have a minimum of 12 years warranty.
- Product line shall be warranted for users up to 12 years.

3. Technical Specification and Code Requirements

- Chair shall meet or exceed all ANSI/BIFMA X5.1-2002 American National Standard for Office Furnishings-General Purpose Office Chairs.
- Chair padding materials and fabric shall contain no halogenated fire retardants. Avoid TB177-2013 and TB-133.
- Testing of fabric abrasion, stain resistance, and durability documentation shall be available upon request.
- Chair shall support at least 300 lbs., and 24/7 application

4. Environmental Features

- Shall be constructed free of environmentally hazardous materials such as PVC, CVC, solvent-based adhesives, heavy metals, and benzene; and free of environmentally hazardous processes such as those that produce VOC's and deplete the ozone.
- Painted components shall use powder coat paint, which results in minimal waste
- Shall have environmental certification of from a third party, such as MBDC Cradle to Cradle Certification
- Shall have SCS Indoor Advantage Certification for indoor air quality
- Shall be at least Level 2 Certified with BIFMA e3-2008 Furniture Sustainability Standards.
- Shall contain at least 25% recycled content, and be 99% recyclable at end of life

5. Dimensions and Features

- Overall Dimensions: Approximately 20"-25.75" depth; 25.25"-26" width; 31"-31.75" height chair
Approximately 18.75"-19.25" width seat
 - CK-1.1A, Move stacking chair with fixed plastic arms and back, upholstered seat, and casters, 1st floor
 - CK-1.1B, Move stacking chair with fixed plastic arms and back, upholstered seat, and casters, 2nd floor
 - CK-1.1C, Move stacking chair with fixed plastic arms and back, upholstered seat, and casters, 3rd floor
- Seat Height is approximately 18-1/2" from floor
- Arm height shall not exceed 26"; Backrest height is 15" minimum
- Upholstered seat option shall be available, and seat shall have Contoured front edge.

- Backrest shall have a lumbar support curve incorporated into design
- Shall have dual wheel casters for carpet or hard surface floors.
- Arms shall be molded and integral to the back of the chair for durability
- Shall have four-leg base for stability, and stack at least 5 high

6. Construction Method

- Seat: Polypropylene upper and lower pans with polyethylene foam block between them; Optional seat cushion of 1" thick 2lb molded foam
- Frame: welded assembly minimum of 7/8" steel (O.D.) 13 Ga. tubing with steel seat brackets and pin
- Backrest: Molded polypropylene inserted over rear leg tube pins and attached to seat cushion
- Arms: Molded polypropylene inserts integral with back

7. Surface Materials

- Upholstery: shall be available in graded-in and COM fabric with a wide variety of options
- Chair frame shall be available in a minimum of 3 different finishes, including silver metallic
- Backrest, seat and arms available in a minimum of 21 molded plastic colors, including white
- All selected finishes shall be approved by VA Interior Designer
 - Frame: 4799 Platinum Metallic
 - Back and Arms: 6009 Arctic White
 - Seat Upholstery:
 - 1st Floor – Paul Brayton Designs / Ginseng / Fortune – GN16
 - 2nd Floor – Paul Brayton Designs / Ginseng / Cascade – GN15
 - 3rd Floor – Paul Brayton Designs / Ginseng / Bamboo – GN17

1. SUMMARY

- Customer will not pay extra for non-standard product modifications (specials) made by manufacturer to meet this specification for five years after first order entry
- Chair to have contemporary aesthetic
- Product shall ship fully assembled with an option of boxed or blanket wrapped shipment

SALIENT CHARACTERISTICS – STEELCASE OLOGY HEIGHT ADJUSTABLE WORKSTATION, 90 DEGREES AND RECTANGULAR WITH SOTO STORAGE SYSTEM, INTEGRATED RAIL, MODESTY PANEL AND PERSONAL SCREENS OLELRQ, OLELLC, OLMP, AND DSPC OR EQUAL

1. GENERAL

Rectangular and 90-degree (L-Shape) Height adjustable workstations to be placed in multiple office areas.

2. Warranty Requirements

- Ology - Manufacturer must offer a lifetime warranty that product is free from defects in materials and workmanship (includes shipping, parts and labor for the repair or replacement of defective item.) Exceptions to this warranty may apply to certain components, as listed on manufacturer literature.
- Neattech - Manufacturer shall offer a 15-year for 24/7 warranty that product is free from defects in materials and workmanship. (Includes shipping parts and labor for the repair or replacement of defective item)

3. Technical Specification and Code Requirements

- Tables shall meet or exceed ANSI/BIFMA X 5.5-1998 Desk/Table Product tests.
- Table shall meet or exceed UL 1286 and is designed in compliance with NFPA 70 National Electric Code.
- Product shall be tested and compliant with UL 723 Test for Surface Burning Characteristics of Building Materials using ASTM E84 Standard Test Method.
- Work surface edge profile, on edges designed to come into contact with users' wrists, comply with ISO 9241-5 (1998) Section 5.4.4, ANSI/HFES-100 (2008) section 8.3.1.4, BIFMA G1 (2002) Section 9, and CSA-Z412 (2000) section 7.5.12.
- Standard high-pressure laminates meet or exceed NEMA LD3-2005 High-Pressure Decorative Laminate standards.
- Product must meet ANSI/SOHO S6.50 Racking Resistance Test.
- Product shall be tested to National Motor Freight standards to ensure packaging and shipment methods will prevent transit damage.
- Desk shell be ship with all pre-drilled holes for mounting bases
- Ology shall comply with ANSI 208.1, ANSI 208.2, and ASTM D 1037
- Rectangular desk 2 leg base shell support a maximum distributed weight capacity of 314 pounds

4. Environmental Features

- GREENGUARD Certified
- Product meets ANSI/BIFMA Standards M7.1/X7.1 for low- VOC emissions to indoor air quality- SCS Indoor Advantage TM Gold.
- Ology product shall contain at least 50% recycled materials (20% post-consumer, 30% pre-consumer)
- Must have SCS Indoor Advantage Gold Certification for indoor air quality.
- Shall not contain no REACH substances or very high concern (SVHC) present at concentration greater than 0.01%
- Product shall be manufactured in a FSC Chain of Custody Certified plant to assure that wood is harvested from environmentally-managed forests.
- These certifications must be submitted with bidder's response.
- Shipping packing materials shall be reusable and/or recyclable.

- Ology shall contribute to LEED credits due to its returnable/reusable packaging, durability, pre and post-consumer recycled content and quality views.

5. **Dimensions and Features**

Ology: WLCLLE & OLELRQ

- 90-degree workstation: Approximately 23-24" Depth; 51.6"-64.6"/64-69.6"/76.6" Width; 22.3/8"-48.7/10" Height range;
 - **WL-1.1**, 23"/64"/52"/23" Ology 90-degree (left) height adj. workstation with modesty panel, and personal console
 - **WL-1.2**, 23"/64"/58"/23" Ology 90-degree (Right) height adj. workstation with modesty panel, and personal console
 - **WL-1.3**, 23"/64"/64"/23" Ology 90-degree (Right) height adj. workstation with modesty panel, and personal console
 - **WL-1.4**, 23"/58"/70"/23" Ology 90-degree (Right) height adj. workstation with modesty panel, and personal console
 - **WL-1.5**, 23"/70"/58"/23" Ology 90-degree (left) height adj. workstation with modesty panel, and personal console
 - **WL-1.6**, 23"/70"/76"/23" Ology 90-degree (Right) height adj. workstation with modesty panel, and personal console
- Rectangular workstation: Approximately 29-30" Depth; 45.6" – 58.6" Width; 22.3/8"-48.7/10" Height range;
 - **WR-1.1**, 46" Wide Rectangular height adj. workstation with integrated rail and personal/modesty screens
 - **WR-1.2**, 52" Wide Rectangular height adj. workstation with integrated rail and personal/modesty screens
 - **WR-1.3**, 58" Wide Rectangular height adj. workstation with integrated rail and personal/modesty screens

Corner Style:

- 90-degree - 1 1/4" radius
- Rectangular - Square

Simple touch controller:

- Adjust height at rate of 1 1/2" per second

SOTO storage: DSPC

- Personal Console: Basic with locking tambour door 16-3/4"D x 9"W x 15 5/8" b

SOTO integrated rail

- 46", 52" and 48" Wide Integrated rail to allow mounting of personal/modesty screens

Modesty Panel for 90-degree desk: OLMP

- Detention 52"-70"W x 14-7/8"H Fixed Personal/Modesty Screen
- Size equal or less than the width table
- 3mm edge profile

Fixed privacy/ modesty screens for rectangular desk: CQSF

- 36", 42" and 58"W x 12"H to be mounted on a integrated rail above and below for privacy and modesty
- Fabric: Mudpie - 5F85
- Orbit – 906700024
- Direction: Horizontal

Grommet: NTSGG & NTLGG

- Corner desk cord drop on opposite side of (2 pair)
- Manage cable/cords going from the desk surface to under side
- Dimensions 3 3/4"W x 3 3/4"D
- See typical and drawings for location

Neattech:

- An innovative cable management solution (small and long size) that can be integrated with all standard height adjustable work surfaces, to be placed in multiple spaces
- Available Size: Small 38", and 48" long
- Shall be used conjunction with all other height adjustable workstations
- Shall support a minimum of 10 lbs.

6. Construction / Mount Methods:

- Worksurfaces & Tops: Wood veneer worksurfaces shall be 1.5" nominal finished thickness and feature balanced construction to prevent bowing or warping
- ½" Glide shall be included to keep desk leveled
- Ology, shall include a sensing technology to backtrack when desk makes contact with an object.
- 64"W or larger desk shall have a 9" overhang space to accommodate other add-on times such us CPU holders.
- Rectangular desk 2 leg base shall support a maximum distributed weight capacity of 314 pounds
- Personal console SOTO product shall be standard with locking tambour doors and placed inboard of legs only
- Cable management solution shall be installed under work surface, see drawing for size and location.

7. Surface Material

- Wood Veneer shall be available in 4 species including maple, cherry, walnut and oak, and 15 standard stain colors. Veneers shall be natural, not composite or reconstituted.
- Manufacturer must use at least 25% FSC cherry veneer as a standard.
- Clear veneer finishes shall be medium gloss, water based UV-resistant, for durability, and shall leave the wood grain texture visible to the eye and distinguishable to the touch.
- Nosing (edge profiles) species must be identical to veneer species.
- Painted surfaces shall be electrostatically applied, baked on epoxy-polyester powder coat, in the semi-gloss range
- All selected finishes must be approved by VA Interior Designer

Ology desk – High pressure Laminate

- Surface Top: Woodgrain HPL 2409 - Clear Maple
- Edge Finish: Plastic PG 6237 - Clear Maple

Base, Integrated rail,

- 4799 Platinum Metallic

SOTO personal console

- Finish: Case - 6009 Arctic White / Door - 6527 Merle / Lock 6205 Black
- Fabric: Standard Dark Grey Felt

Modesty Panel

- Surface: Woodgrain HPL 2409 - Clear Maple
- Edge Finish: Plastic PG 6237 - Clear Maple
- Bracket: 7360 Merle

Fixed privacy/ modesty screens for rectangular desk: CQSF

- Fabric: Mudpie - 5F85
- Orbit – 906700024
- Direction: Horizontal

Grommet

- Merle

Neattech Mesh & Trim:

- Gray / Gray

8. SUMMARY

- Service parts must be available
- Product shall ship fully assembled with an option of boxed or blanket wrapped shipment
- Components must be available as freestanding, wall mounted, and systems panel supported
- Work surfaces shall not be affected by ordinary household solvents, acids, alcohols, or salt solutions and is capable of being wiped clean with ordinary household cleaning solutions
- Service parts shall be available to replace product damaged in field

DRAFT

Steelcase Montage System Furniture with transition top, Or Equal

1. General

A panel system simple to install, expand, shrink and reconfigure. Panel frame shall be made up of vertical and horizontal elements assembled easily on-site maximizing reconfigurability. 3form material finish should be available in multiple sizes, color, and style. Transition top shall be available in variety of custom sizes and configuration. Panel to be placed at a reception and check-in desks in public waiting areas and offices.

2. Warranty Requirements

- Manufacturer must offer a lifetime warranty that product is free from defects in materials and workmanship (includes shipping, parts and labor for the repair or replacement of defective item.) The following lifetime warranty exceptions are allowed: modular power components have a minimum 12 years warranty; vertical surface textiles have a 12-year warranty and paint, colorfastness has a 5-year warranty. 3form surfaces shall provide 5 year warranty.

3. Technical Specification and Code Requirements

- Panels meet or exceed the ANSI/BIFMA X5.6-2003 Panel System Test.
- Panel wiring meets or exceeds UL 183 Manufactured Wiring System Tests.
- Panels designed in compliance with the National Electric Code (NFPA 70-1990).
- Panel fabric meets or exceeds UL 723, NFPA 255, & UL 1286.
- Panels meet acoustic rating per ASTM C423-02a & E795-00 (NRC) & ASTM C413-02a and E90-02 (STC)
- Panel with Performance Tackable Acoustic Skin – NRC: .65, STC: 16.
- Tackable screens comply with National Fire Protection Association (NFPA) 101 Life Safety Code. This code addresses those construction, protection, and occupancy features necessary to minimize danger to life from the effects of fire, including smoke, heat, and toxic gases created during a fire.
- *Product installed in the State of California only:* workstations designs may require having pre-approval from OSHPD. This is a document required for anchorage of furniture in healthcare facilities.
- Standard high-pressure laminates meet or exceed NEMA LD3-2005 High-Pressure Decorative Laminate standards.
- 3-form -material to be used as a panel skin
 - Material shall meet or exceed with NFPA 101, Life Safety, 2009 code year
 - Paneling to minimally meet 2009 IBC for light transmitting plastics
 - Warp in the form of a curve (bow warp) extending across the sheet is permitted to a maximum of ¼" (6.3 mm) for each 48" (1.2 m), or fraction thereof. Panel is to be measured laying horizontally under its own weight on a flat continuous surface.
 - ASTM E 90 – 32 STC for ½" thick paneling
 - Turn Key Solution (material/hardware/lighting) must be provided by single manufacturer.
 - Material Manufacture must be in the US
 - Minimum impact strength test as measured by ASTM D256 of 107 ft. lbs.
 - Material must be translucent
 - Manufacturer must reclaim materials at end of life for no charge
 - Material must have renewable surface that does not require manufacturer re-involvement.

4. Environmental Features

- Has reduced VOC emissions and offers PVC-free power component.
- Fabrics are available which meet MBDC Cradle-to-Cradle Gold sustainable design certification. These fabrics contain less than 100 parts per million of any heavy metal of concern, which includes antimony, which is traditionally found in polyester fabrics.
- Painted components are coated with powder coat paint.
- Frame is made up of at least 30% recycled content.
- Certified panel fabrics contain up to 100% recycled content.
- Shipping packing materials shall be reusable and/or recyclable.
- 3-form -material to be used as a panel skin
 - SCSglobal services certified
 - 38 percent recycled content
 - Health Product Declaration meets MSDS 1,000 & 10,000 ppm
 - VOC emissions – UL Greenguard gold for VOC Content
 - Class C ASTM E 84 for fire class flammability

5. Dimensions and Features

- **Panel Frames (Approximately)**
 - a. Depth: 2.5" – 3.5"
 - b. Heights: 11.5" – 12.5"
 - c. Widths: 30" - 60"
 - d. Panel frame is made up of vertical and horizontal elements and allows sharing between adjacent panels for maximum flexibility & cost containment.
 - a. Allows for multiple planning connections, including in-line (180-degree) configuration. Connectors are able to connect different heights with continuation of electrical and communication wiring with in workstation.
 - b. Offer matching trim finishes.
 - c. Slotted channels in vertical element allow worksurface supports and overhead storage at 1" increments.
 - d. Lay-in cable routing at base and top cap area.
 - e. Leveling guides adjust up to 2" and capable of being installed on top of finished flooring without floor penetration.
 - f. Connectors are made of steel with panels system supporting multiple loaded hang-on components.
- **Panel Skins (Approximately)**
 - a. Height: 36" - 50"
 - b. Width: 30" - 60"
 - c. Fabric-covered tackable and Performance tackable acoustical skins.
 - d. Removable and can be repositioned and replaceable in the field. Can also be removed without disrupting any of the other skins.
 - e. Skins available in monolithic and segmented in a variety of surface materials and sizes

- f. Skin fabric is factory attached securely and continuously along the perimeter of the steel frame and have seamless width of fabric stretched over entire face of the metal frame.
- g. Skins standard to include: High performance tackable acoustical, marker board, laminate, glass, slatwall, steel and wood skins.

- **Panel Top Caps and Trims (Approximately)**

- a. Depth: 3", matching all panel heights including change-in-height applications.
- b. Top Cap: Square. Install onto and remove from the panel without tools.
- c. Vertical trims are available for change-in-of-height application: 1-1/8"W slim profile and optional 2-1/4"W profile to accommodate lay-in cable routing.
- d. Top cap is steel for durability. Top cap for vertical element is plastic with molded-in-alignment or come with snap-in features. Panel top caps and trims.

- **Panel Base Trims (Approximately)**

- a. Height: 3-3/4"H
- b. Widths: Matching all panel widths
- c. Base trims are steel and install to the panel base with integral hooks without the need of tools.
- d. Base trims feature knockouts for both power and communication terminations.
- e. Base trims paint color to match panel paint color.

6. Construction Method

- Vertical Elements consist of welded assemblies of slotted and notched 14 ga. Steel channels for rigidity and strength, steel leveler for uneven floors and seal is closed cell polyethylene foam at least 1/8" thick.
- Horizontal Elements consist of welded assembly consisting of a 16 ga. Steel tube and two 11 ga. end clips and 16 ga. hardened steel safety cams riveted to the bottom of each assembly.
- Top Cap consists of square 18 ga. Steel channel and held tightly to the panel with spring steel clips.
- Base covers consist of 24 ga. steel channel and held tightly to the panel with spring steel clips.
- Performance Tackable Acoustical Fabric Covered Panel Skins consist of pre-painted frame 18 ga. steel channels. Dual density composite fiberglass filler for sound blocking.

7. Surface Materials

- Service parts must be available.
- All products, components and hardware are standard products and do not require hardware to install.
- System contains all brackets necessary to form a stable and complete unit.
- Panel shall not require hardware to install. Unlike traditional weld-frame panels, vertical junctions shall be connected with horizontal beam supports using an integral cam lock.
- Worksurface must have the ability to adjust at every 12" vertically
- Panels Systems must include a variety of worksurface, freestanding storage products to compliment this line in dimensions, designs and finishes visually compatible with manufacturer's systems products (fixed and mobile pedestals, lateral files, storage cabinets, wardrobes and bookcases)

- Surfaces shall not be affected by ordinary household solvents, acids, alcohols, or salt solutions and is capable of being wiped clean with ordinary household cleaning solutions.
- Panel System is a “standard” at the VA Palo Alto, and is already used on campus.
- Heat formable and available in custom color, sizes and gauges
- Panels shall have a more durable finish with a subtle texture
 - Surface / material for Montage panel will be selected during designing phase.
 - 3form material will be selected during designing phase.

5. **SUMMARY**

- Service parts must be available Product shall ship fully assembled with an option of boxed or blanket wrapped shipment
- Final detentions, drawings and detail specification for all panel systems must be submitted to VA designer for review and approval.

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SALIENT CHARACTERISTICS - HUMANSCALE MULTI-MONITOR ARM SYSTEM M/FLEX M8 MONITOR ARMS WITH M-POWER HIGH SPEED USB CHARGING / DOCKING STATION BASE MF82W2-1N2, MF82W22-1N2, AND TRFWNA OR EQUAL

1. GENERAL

M8/Flex vertical single and dual monitor arms to M/power base is a USB Type-A and Type-C charging station with audio pass-through that saves space and offers convenient, high-speed charging for personal devices.

2. Warranty Requirements

- Manufacturer shall offer a 10-year for (M/Flex) and 3-year for (M/Power) 24/7 warranty that product is free from defects in materials and workmanship. (Includes shipping parts and labor for the repair or replacement of defective item)

3. Technical Specification and Code Requirements

- M/flex and M/power shall meet or exceed ANSI/BIFMA level 1 and level 2 American National Standard for office standards
- M/flex and M/power shall meet or exceed SCS Global service standards
- M/flex nesting system installation shall include integrated brackets that allow any and all feature configuration process easy and cost efficient
- M/flex shall support at least 45 pounds, and 24/7 application
- Monitor arm shall provide greater adjustability and flexibility with 180 degree stop mechanism to prevent wall damage from over-rotation
- M/Power system shall provide a clam mount option on all standard work surfaces
- M/Power docking station shall include a high-speed USB Type A and C ports
- M/Power central power shall be engineered to increase user productivity and efficiency as well as ergonomic health and comfort.
- M/flex and M/power shall contribute to a number of LEED credits
- Shall provide UL certification number: NWGQ.E488491

4. Environmental Features

- Recycled content: 12% post-consumer, 5% pre-consumer
- Can contribute to LEED credits
- Shall be constructed free of environmentally hazardous materials such as PVC, CVC, solvent-based adhesives, heavy metals, and benzene; and free of environmentally hazardous processes such as those that produce VOC's and deplete the ozone.
- Painted components shall use powder coat paint, which results in minimal waste
- Shall have environmental certification from a third party
- Shall have SCS Indoor Advantage Certification for indoor air quality
- Shall contain at least 25% recycled content, and be 99% recyclable at end of life
- Made predominantly of steel and aluminum, which are highly recyclable
- Shipped in packaging that contains recycled content

5. Dimensions and Features

M/Flex: Approximately Arm reach: 22"; and Height adjustment range: 11.5"

- **AS-1.1**, Unmanacles M/Flex post with M/Power Base (M8 Single monitor arm)
- **AS-1.2**, Unmanacles M/Flex post with M/Power Base (M8 Dual monitor arm)

- Extreme weight capacity, weight capacity for each monitor carry up to 20 pounds side by side
- Built in security system provides for effective theft deterrent for public areas
- 2 mounting brackets for 2 monitors
- Single dynamic link for each bracket
- Clamp mount
- 12" high post
- Standard 100mm x 100mm
- Quick release ball joint facilitates fast and east monitor installation and removal
- Fine tune adjustment to ensures dual monitors line up perfectly
- Post stop for row 1

M/Power: Approximately: 1.07"H x 5.75"W x 5.98"D; undersurface 1.26"H x 8.20"W x 3.86"D

Ports:

- USB Type-A (x2) USB Type-C (x1)
- Audio Pass Through Jack (x2) DC (x1)
- DC (x1)

Environmental

- Temperature - Operating 0°C to 40°C
- Temperature - Storage -20°C to 60°C
- Relative Humidity - Operating 20% to 80% (non-condensing)
- Relative Humidity – Storage 5% to 90% (non-condensing)

Power consumption

- no load 86mW
- Full load 42W

Security

- Kensington Lock Slot
- (x2 - one in hub, one in dock)

6. Construction / Mount Methods:

- With M/power base (Low profile clamp mount)
- Made predominantly of steel and aluminum, which are highly recyclable

7. Surface Material

- Shall have at least 2-3 different sets of pairs of finishes
 - Selected finish - Polished Aluminum with white accents, silver with gray accent

8. SUMMARY

- Service parts must be available
- Product shall ship fully assembled with an option of boxed or blanket wrapped shipment